MICROSCAN.

PRODUCT PRICING
CATALOG

Corporate Headquarters, USA
Microscan Systems, Inc.
700 SW 39th St
Renton, WA
98057
Tel 425.226.5700
Fax 425.226.8250

CONFIDENTIAL

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Rev. AG December 2011

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Field Sales Contacts

Region	Sales Managers	Address	Phone	Email
Director, Americas Sales	John Agapakis	486 Amherst St. Nashua, NH 03063	Tel: 603.821.4319 508.314.4143 (M)	jagapakis@microscan.com
Western U.S.A. / Western Canada	Bob Taplett	21416 NE 146th PL Woodinville, WA 98077	Tel: 206.617.9603 (M)	btaplett@microscan.com
South Central U.S.A. / Eastern Canada	Richard Bellemare	4210 Gilbert Dallas, TX 75219	Tel: 214.766.8660 (M)	rbellemare@microscan.com
North Central U.S.A.	Bob Fines	3028 Ashbury Drive Naperville, IL 60564	Tel: 630.319.3247 (M)	bfines@microscan.com
Southeastern U.S.A. / Caribbean	Matt Smith	740 Paint Horse Drive Canton, GA 30115	Tel: 770.366.3385 (M)	msmith@microscan.com
Northeastern U.S.A. / Ontario, Canada	John Agapakis	486 Amherst St. Nashua, NH 03063	Tel: 603.821.4319 508.314.4143 (M)	jagapakis@microscan.com
Mid-Atlantic U.S.A.	Mathew Winner	1303 Old Fallston Road Falston, MD 21047	Tel: 443.829.0482 (M)	mwinner@microscan.com
Mexico / Latin & South America	John Agapakis	486 Amherst St. Nashua, NH 03063	Tel: 603.821.4319 508.314.4143 (M)	jagapakis@microscan.com
Director, EMEA Sales / Southern Africa	René van Mourik	Lemelerberg 17 NL.2402 ZN Alphen aan den Rijn, The Netherlands	Tel: +31.172.423360	rvanmourik@microscan.com
Greece, South Africa	René van Mourik	Lemelerberg 17 NL.2402 ZN Alphen aan den Rijn, The Netherlands	Tel: +31.172.423360	rvanmourik@microscan.com
France	Philippe Berger	Lemelerberg 17 NL.2402 ZN Alphen aan den Rijn, The Netherlands	Tel: +33.6.46.54.29.80 (M)	pberger@microscan.com
Italy	Alex Doria	Via Casona, 110 30173 Mestre (Venezia) Italy	Tel: +39.345.0264156 (M)	adoria@microscan.com
Spain, Portugal, Israel, Middle East, Northern Africa	Rudy Pijper	Lemelerberg 17 NL.2402 ZN Alphen aan den Rijn, The Netherlands	Tel: +31 172.4233.72	rpijper@microscan.com
Germany, Austria, Switzerland	Helmuth Zierer	Ferdinand Zwack Str. 17 D.85354 Freising . Germany	Tel: +49.1608.9486.18 (M)	hzierer@microscan.com
Belgium, Luxemburg, The Netherlands, Nordic Countries, UK, Ireland	Michael de Kegel	Zonnestrarat 11 B.9300 Aalst Belgium	Tel: +32.474.3110.56 (M)	mdekegel@microscan.com
Turkey, Eastern Europe, Baltic States, Russia	Osman Erturk	Yavuz Selim Caddesi Silistre Sokak 15.5, 34087, Fatih/Istanbul Turkey	Tel: +90.530.600.8581 (M)	oerturk@microscan.com

Region	Sales Managers	Address	Phone	Email
Director, APAC Sales	Wayne Goh	31 Kaki Bukit Road 3 #06.04/05 TechLink, Singapore 417818	Tel: +65.6846.1214	wgoh@microscan.com
China Country Manager	Richard Cheng	Rm 1818 Beijing Shougang International Bldg # 60 North Street, Xizhimen Haidan District, Beijing 100088, P.R.C.	Tel: +86.10.5993.5766 +86.186.0006.2619 (M)	rcheng@microscan.com
Singapore, Indonesia, Philippines, Vietnam,	Goh Yee Heng	31 Kaki Bukit Road 3 #06.04/05 TechLink, Singapore 417818	Tel: +65.6846.1214 +65.9239.7032 (M)	gohyh@microscan.com
China/Guangzhou	Charles Cheng	22F, C Bldg., Fengzing Plaza, # 240 Tianhe Road, Tianhe District Guangzhou, 510620, P.R.C	Tel: +86.20.2887.3807 +86.186.8889.6626 (M)	ccheng@microscan.com
China/Beijing	David Du	Rm 1818 Beijing Shougang International Bldg # 60 North Street, Xizhimen Haidan District, Beijing 100088, P.R.C.	Tel: +86.10.5993.5766 +86.186.1832.3782 (M)	ddu@microscan.com
China/Beijing	Gang Gang Song	Rm 1818 Beijing Shougang International Bldg # 60 North Street, Xizhimen Haidan District, Beijing 100088, P.R.C.	Tel: +86.10.5993.5887 +86.186.1196.7717 (M)	ggsong@microscan.com
China/Shenzhen	James Zeng	Unit 1, 27th Floor Tianli Center Commerce Plaza Nanshan District Shenzhen, 518054, P.R.C.	Tel: +86.755.8633.2368.803 +86.186.2037.6543 (M)	jzeng@microscan.com
China/Shanghai	Ryan Zhu	Unit 201, XinAn Plaza, Bldg. 13 No. 99 Tianzhou Road Shanghai, 200233, P.R.C.	Tel: +86.21.6113.3750 +86.186.2190.0703 (M)	rzhu@microscan.com
China/Nanjing	Jim Yan	Nanjing Rep. Office Room 104, Building 8 Hui Lin Lv Zhou Shang Lin Yan, 17th Heilongjiang Rd. Nanjing, 210037 P.R.C	Tel: +86.186.6120.8158	jyan@microscan.com
Korea	Moon Soo Kim	SH Building, 8th floor, 16.6, Sunae.dong, Bundang.gu, Seongnam City, Kyeonggi.Do, Korea, 463.825	Tel: +82.31.786.0835 +82.10.3784.6437 (M)	mkim@microscan.com
Japan	Koji Seto	Tsukasamachi Bldg, 2-6, Kandu Tsukasa-machi Chiyoda-ku, Tokyo 101-0048, Japan	Tel: +81.3.3255.8163 +81.80.3476.2463 (M)	kseto@microscan.com
India	Vinay Bhasin	BPTP Park Centra, 201-B, 2nd Floor Sector-30, Gurgaon, Haryana 122002 India	Tel: +91.981.1412271 (M)	vbhasin@microscan.com

Customer Service Contacts

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Region	Inside Sales Managers	Address	Phone	Email
Customer Service - Americas	**Steve Kinney Lauri Scrichfield**	Microscan 700 SW 39th Street, Renton, WA 98057	**Tel: 800.251.7711**	AMERICAS Orders@microscan.com
Europe/ Middle East, Africa	**Rudy Pijper**	Lemelerberg 17 NL.2402 ZN Alphen aan den Rijn, The Netherlands	**Tel: +31 172.4233.72**	EMEA Orders@microscan.com
Asia Pacific (excl. China)	**Vincent Chee**	31 Kaki Bukit Road 3 +06.04/05 TechLink, Singapore 417818	**Tel: +65 6846.1214**	ASIA Orders@microscan.com
China	**Ray Wang**	Unit 201, XinAn Plaza, Bldg. 13 No. 99 Tianzhou Road Shanghai, 200233, P.R.C	**Tel: +86 189-6483-0552**	CHINA orders@microscan.com

Technical Support and Service Contacts

Support/Service	Contact	Address	Phone	Email
Global Channel Manager	**Matt Scrichfield**	Microscan 700 SW 39th Street, Renton, WA 98057	**Tel: 425.203.4955 eFax: +1.425.988.7093**	partners@microscan.com
Help Desk			**Tel: 425.203.4841 Tel: 800.251.7711**	helpdesk@microscan.com

**Note: Only products which are currently active (recommended for new applications) are shown in this product pricing catalog.
Information regarding legacy and obsolete products is available by calling the sales/support contacts listed at the top of this
page. Reference the end of the catalog for legacy product and service pricing.**

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.
Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.
Refer to your Partner Agreement for the actual discount percentage by Product Type.

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MICROSCAN SYSTEMS, INC. TERMS AND CONDITIONS OF SALE

For the purposes of these TERMS AND CONDITIONS OF SALE ("Terms and Conditions"), "contract" means the agreement between Microscan Systems, Inc. ("Supplier") and Buyer arising as a result of Buyer's submission of an order for Supplier's products. Individually, Supplier and Buyer are each a party; collectively, they are parties. Such contract shall be deemed to incorporate and be governed by these Terms and Conditions. No term or condition of Buyer's order additional to or different from these Terms and Conditions shall become part of the contract unless explicitly agreed to in writing by Supplier. These Terms and Conditions may be revised by Supplier from time to time, in Supplier's sole discretion. Supplier will notify Buyer of revisions to these Terms and Conditions forty-five (45) days prior to the revised Terms and Conditions taking effect. Supplier's failure to object in writing to any provision contained in any communication from Buyer shall be construed as acceptance of any such provision and shall not be construed as a waiver of these Terms and Conditions.

1. Quotations and Orders: Prices, specifications and dates for delivery referenced in Supplier's quotations are for information purposes only and shall not be binding on Supplier until all technical requirements have been agreed and Supplier has accepted Buyer's order. All orders must be bona fide commitments showing definite prices and quantities and mutually agreed shipping dates.

2. Taxes: Prices do not include sales or excise taxes, which shall be paid by Buyer unless Buyer provides Supplier with any necessary tax exemption certificate.

3. Shipment and Delivery: All products will be shipped EXW (Ex Works) Supplier's premises. Delays of convenience, within fourteen (14) days of the acknowledged shipping dates, will be invoiced at 50% of order value on originally scheduled ship date. Delays for convenience will not be accepted beyond sixty (60) days. Orders containing custom "FIS" products cannot be delayed or canceled after receipt of Sales Order Acknowledgement. In the absence of specific instructions, Supplier will select the carrier and ship "collect". Title and risk of loss or damage to any product shall pass from Supplier to Buyer upon the product being packed ready for delivery to carrier. Any claims for loss, damage or misdelivery thereafter shall be filed with the carrier. All products shall be deemed finally inspected and accepted within ten (10) days after delivery unless notice of rejection is given by Buyer in writing to Supplier within such period. Acceptance shall constitute acknowledgement of full performance by Supplier of all obligations under the contract except as stated in Section 9 (Limitation of Warranties).

4. Terms of Payment: Each shipment shall be a separate transaction and Buyer will be invoiced on date of dispatch. Unless otherwise stated on Supplier's invoice, terms of payment shall be net thirty (30) days from date of invoice, unless Supplier requires, in its sole discretion, payment in advance. If Buyer fails to make any payment due hereunder when due, Supplier may recover, in addition to the payment, interest thereon at the rate of 1-1/2% per month and reasonable attorney's fees and costs.

5. Security Interest: Buyer hereby grants to Supplier a purchase money security interest in all Supplier products sold to Buyer as security for the punctual performance by Buyer of all of its obligations hereunder. Supplier may, at its discretion, file the Buyer's order and these terms and conditions as a financing statement to evidence and perfect said security interest.

6. Force Majeure: Supplier shall not be liable for any delay in delivery or for non-delivery, in whole or in part, caused by the occurrence of any event beyond the control of Supplier. If any such event occurs, Supplier may allocate production and deliveries among Supplier's customers.

7. Equipment: Supplier may modify specifications provided the modifications do not adversely affect the performance of the equipment to be supplied under the contract ("the equipment"). In addition, Supplier may furnish suitable substitutes for materials unobtainable because of priorities or regulations established by government authority, or non-availability of materials from suppliers.

8. Software and Proprietary Information: Supplier shall at all times have and retain title and full ownership of all software, firmware programming routines, and documentation thereof supplied by Supplier for use with the equipment, and of all copies thereof made by Buyer (collectively "software"). Supplier grants Buyer a non-exclusive and non-transferable license to use such software solely for use with the equipment. Buyer shall take all reasonable steps to protect Supplier's proprietary interest in the software, and any other proprietary information of Supplier, and shall not transfer or otherwise provide the software to any third party.

9. Limitation of Warranties:

A. Supplier warrants that all equipment shall be free from defects in material and workmanship under normal use for a period of one year from date of shipment to Buyer save that Supplier does not warrant that operation of the software will be completely uninterrupted or error free or that all program errors will be corrected. Buyer shall be responsible for determining that the equipment is suitable for Buyer's use and that such use complies with any applicable local, state or federal law. Provided that Buyer notifies Supplier in writing of any claimed defect in the equipment immediately upon discovery and any such equipment is returned to the original shipping point, transportation charges prepaid, within one (1) year from date of shipment to Buyer and upon examination Supplier determines to its satisfaction that such equipment is defective in material or workmanship, i.e. contains a defect arising out of the manufacture of the equipment and not a defect caused by other circumstances, including, but not limited to accident, misuse, unforeseeable use, neglect, alteration, improper installation, improper adjustment, improper repair, or improper testing, Supplier shall at its option repair or replace the equipment, shipment to Buyer prepaid. Supplier shall have reasonable time to make such repair or to replace such equipment. Any repair or replacement of equipment shall not extend the period of warranty. This warranty is limited to a period of one (1) year, without regard to whether any claimed defects were discoverable or latent on the date of shipment.

B. If Buyer shall fail to pay when due any portion of the purchase price or any other payment required from Buyer to Supplier under this contract or otherwise, all warranties and remedies granted under this Section 9 may, at Supplier's option, be terminated.

C. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER REPRESENTATIONS, WARRANTIES AND COVENANTS, EXPRESS OR IMPLIED, WITH RESPECT TO THE EQUIPMENT AND ANY DEFECTS THEREIN OF ANY NATURE WHATEVER, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SUPPLIER SHALL NOT BE LIABLE FOR, AND BUYER ASSUMES ALL RISK OF, ANY ADVICE OR FAILURE TO PROVIDE ADVICE BY SUPPLIER TO BUYER REGARDING THE EQUIPMENT OR BUYER'S USE OF THE SAME. UNDER NO CIRCUMSTANCES SHALL SUPPLIER BE LIABLE TO BUYER UNDER ANY TORT, NEGLIGENCE, STRICT LIABILITY, OR PRODUCT LIABILITY CLAIM AND BUYER AGREES TO WAIVE SUCH CLAIMS. SUPPLIER'S SOLE AND EXCLUSIVE LIABILITY, AND BUYER'S SOLE AND EXCLUSIVE REMEDY, FOR ANY NONCONFORMITY OR DEFECT IN THE PRODUCTS OR ANYTHING DONE IN CONNECTION WITH THIS CONTRACT, IN TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL BE AS SET FORTH IN SUBSECTION 9A HEREOF AS LIMITED BY SUBSECTION 9B HEREOF. THIS EXCLUSIVE REMEDY SHALL NOT HAVE FAILED OF ITS ESSENTIAL PURPOSE (AS THAT TERM IS USED IN THE UNIFORM COMMERCIAL CODE) PROVIDED THAT THE SUPPLIER REMAINS WILLING TO REPAIR OR REPLACE DEFECTIVE EQUIPMENT (AS DEFINED IN SUBSECTION 9A) WITHIN A COMMERCIALLY REASONABLE TIME AFTER RECEIVING SUCH EQUIPMENT. BUYER SPECIFICALLY ACKNOWLEDGES THAT SUPPLIER'S PRICE FOR THE EQUIPMENT IS BASED UPON THE LIMITATIONS OF SUPPLIER'S LIABILITY AS SET FORTH IN THIS CONTRACT.

10. Patents: Supplier shall defend any suit or proceeding brought against Buyer to the extent that it is based on a claim that any equipment manufactured by Supplier infringes in construction or design a United States patent, and shall indemnify Buyer against all costs, damages and expenses finally awarded against Buyer provided that Buyer notifies Supplier promptly in writing of any such claim and gives Supplier full and complete authority, information and assistance for the defense of such claim and provided further that Supplier shall have sole control of the defense and of the negotiations for settlement, if any, of such claim. If any such equipment is held in construction or design directly to infringe any United States patent and the use of said equipment is enjoined, or in case any equipment may, in the opinion of Supplier, be held to infringe, Supplier may, at its expense and option, either (a) procure for Buyer the right to continue using said equipment, (b) replace said equipment with a suitable noninfringing product, (c) suitably modify said equipment, or (d) refund the purchase price of said equipment, less depreciation at 20% per year, and accept its return. Supplier shall not be liable for any cost or expense incurred without Supplier's written authorization. Supplier shall not be obligated to defend or be liable for costs and damages if the infringement arises out of compliance with Buyer's specification or from a combination with or an addition to equipment not manufactured or developed by Supplier or a modification of the equipment after delivery or the use of equipment beyond that established by Supplier or approved in writing by Supplier. THE FOREGOING STATES THE ENTIRE LIABILITY OF SUPPLIER, AND THE EXCLUSIVE REMEDY OF BUYER, WITH RESPECT TO ANY ALLEGED PATENT INFRINGEMENT BY THE SAID EQUIPMENT.

11. Limitation of Liability and Buyer Indemnity: IN NO EVENT, REGARDLESS OF THE FORM OF ACTION, SHALL SUPPLIER BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL LOSSES OR DAMAGES ARISING OUT OF THE SALE OF ITS PRODUCTS TO BUYER OR ARISING OUT OF ANYTHING DONE IN CONNECTION WITH THE CONTRACT, INCLUDING, BUT NOT LIMITED TO, LOSSES OR DAMAGES ARISING OUT OF CLAIMS FOR LOSS OF USE, BUSINESS, GOODWILL, OR PROFITS, AND CLAIMS ARISING OUT OF THIRD-PARTY ACTIONS, REGARDLESS OF WHETHER SUCH THIRD-PARTY ACTIONS, OR ANY OTHER CLAIMS, LOSSES, OR DAMAGES, WERE REASONABLY FORESEEABLE TO BUYER OR SUPPLIER. BUYER'S EXCLUSIVE REMEDY ARISING OUT OF ITS PURCHASE AND USE OF SUPPLIER'S PRODUCTS, OR ARISING OUT OF ANYTHING DONE IN CONNECTION WITH THE CONTRACT, SHALL BE FOR DAMAGES AND NO CLAIM OR CLAIMS OF ANY KIND, WHETHER BASED UPON CONTRACT, WARRANTY, TORT (INCLUDING, BUT NOT LIMITED TO, NEGLIGENCE, WARRANTY AND STRICT LIABILITY), STATUTORY OR REGULATORY PROVISIONS, INDEMNITY, CONTRIBUTION, OR OTHERWISE, SHALL BE GREATER IN AMOUNT IN AGGREGATE THAN THE PURCHASE PRICE OF THE PRODUCTS IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

Buyer shall indemnify and hold harmless Supplier, its officers, agents, employees, subsidiaries, parents, affiliates and insurers from and against any and all liabilities, damages, losses, claims, lawsuits, including costs and expenses in connection therewith, for death or injury to any persons or loss of any property whatsoever, caused in any manner by Buyer's possession, use or operation of equipment.

12. Non-Waiver; Remedies: No waiver of any breach of these Terms and Conditions shall constitute a waiver of any prior or subsequent breach of any similar or dissimilar provision or a modification of the contract. All Supplier rights and remedies, whether evidenced hereby or by any other contract or document, shall be cumulative and nonexclusive and may be exercised singularly or concurrently.

13. Applicable Law; Dispute resolution; Severability: The validity, performance and construction of the contract shall be governed by the laws of the State of Washington, without regard to conflict of laws provisions. Any claim, dispute or other matter in question arising out of or relating to this provision, shall be subject to mediation as a condition precedent to binding dispute resolution. Any mediation under this Agreement shall be administered by the American Arbitration Association in accordance with its mediation procedures then in effect. The parties shall equally share the mediator's fee and any filing fees. If the parties do not resolve their dispute through mediation, the dispute shall be resolved in mandatory arbitration pursuant to an arbitration administered by the American Arbitration Association in accordance with its arbitration rules then in effect. The arbitrator(s) award shall be final and judgment may be entered upon it in accordance with applicable in any court having jurisdiction thereof. Any mediation or arbitration shall be held in Seattle, WA. If supplier is the substantially prevailing party, supplier will be entitled to and awarded, in addition to any other relief, its reasonable costs incurred, including attorneys' fees. Notwithstanding any attempts to resolve differences, any action brought by Buyer against Supplier arising out of this contract or Buyer's purchase and use of the equipment must be commenced within one year after such action accrues and in no event later than two years after date of shipment of such equipment. If any provision of these Terms and Conditions is held to be unenforceable, such holding shall not affect the enforceability of any other provision.

14. Government Contracts: If the products to be furnished under the contract are to be used in the performance of a United States Government contract or subcontract, the Government contract number and a statement to that effect shall appear on Buyer's purchase order. If Buyer's purchase order includes all of said information and if said order is accepted in writing by Supplier, then those clauses of the applicable Government procurement regulations which are mandatorily required by Federal statute or regulation to be included in this contract shall be incorporated herein by reference. In all other events, said clauses shall not be incorporated herein by reference.

15. Export: Regardless of any disclosure made by Buyer to Supplier of the ultimate destination of Supplier product(s), Buyer shall not export either directly or indirectly any Supplier product, or any system incorporating said product(s) either in contravention of statute or regulation or without first obtaining all required licenses and permits from the United States Department of Commerce and any other relevant agencies or departments of the United States government.

16. Assignment: The contract shall be binding upon and inure to the benefit of the parties and their respective legal representatives, successors and permitted assigns. The contract is personal to Buyer, and Buyer may not assign any of its rights or delegate any of its obligations hereunder, in whole or in part, without the prior written consent of Supplier, which Supplier may withhold for any reason or no reason.

17. Entire Agreement; Modifications: This contract constitutes the entire agreement between the parties as relates to the sale of the equipment and no addition to or modification of any provision of said agreement, together with any agreement to which these Terms and Conditions are an exhibit or schedule, and shall be binding upon Supplier unless agreed to in writing by Supplier.

18. Notices: All notices given under the contract shall be in writing, mailed by first class mail, certified or registered, or delivered by hand to the address of the other party set forth in the quotation or to such other address as such party may designate from time to time by such notice, and shall take effect when received.

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Product Return Process

The following describes the process for returning products. This is broken down into two main processes:

1. RMA (Return Material Authorization) process for NEW PRODUCT
2. RMA (Return Material Authorization) process for IN SERVICE PRODUCT

RMA (Return material Authorization) process for NEW PRODUCT

This process is used to return a new product because it failed to work on initial startup (damaged on arrival) or the end customer wants to return the product to stock.

➢ **Damaged on arrival =** Out of box failures, determined at time of initial power up and within 30 days of shipment from Microscan.

1. Contact your inside <u>sales representative</u> with the FIS part number, serial number, original sales order and/or purchase order and description of failure.

2. RMA# issued only by Inside Sales Rep. This number MUST appear on the outside of the shipping container and on all related paperwork. Product must be returned in it's original factory packaging. If defective scanner is covered under our standard warranty terms, customers ORIGINAL SALES ORDER will be credited.

3. If required, a REPLACEMENT sales order can be entered immediately for ASAP shipment. NOTE - Replacement scanner is processed as a NEW order and NEW INVOICE is generated at time of shipment.

➢ **Returns to stock** = Must be requested within 30 days of original shipment date from Microscan.

1. Contact your inside <u>sales representative</u> with FIS or accessory part number, serial number (if applicable), original sales order and/or purchase order and reason for return. Upon approval all returns are subject to a standard 20% restocking fee.

2. RMA# issued by Inside Sales Rep. This number MUST appear on the outside of the shipping container and on all related paperwork. Product must be returned in it's original factory packaging.

RMA (return material authorization) process for IN SERVICE PRODUCT

This process is used to return a product that needs to be repaired.

➢ **IN WARRANTY**

1. Contact Customer Service (425-226-5700) with the part number, serial number, description of failure, and request a return material authorization form (RMA).

2. The RMA# issued by a Customer Service Representative MUST appear on the outside of the shipping container and on all related paperwork.

➢ **OUT OF WARRANTY**

1. Contact Customer Service as per "In Warranty" (above) and request a return material authorization form. Upon completion of this document, return it along with your confirming PURCHASE ORDER and an RMA# will then be issued authorizing the return of the product.

2. The RMA# issued by a Customer Service Representative MUST appear on the outside of the shipping container and on all related paperwork.

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Auto ID Barcode Readers
MS-1 Series Scan Engines

Read Ranges *	
Narrow Bar	**Laser High Density**
5 mil (.127 mm)	0.6" to 2.1" (15 to 53 mm)
10 mil (.254 mm)	0.6" to 4.1" (15 to 104 mm)
15 mil (.381 mm)	0.6" to 5.1" (15 to 130 mm)
Narrow Bar	**Laser Low Density**
5 mil (.127 mm)	1.8" to 3.6" (46 to 91 mm)
10 mil (.254 mm)	1.8" to 7.0" (46 to 178 mm)
20 mil (.508 mm)	1.8" to 12.6" (46 to 320 mm)

*** NOTE: MS1 16 Bit Scan Engines are available in our Legacy Section of this Price Book.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

MS-1 (32 bit) Series Scan Engine

Part Number	Description	List Price	Type
FIS-0001-8003G	CCD Scan Engines, Low Density, 32 bit, 8-pack	$1,290	P
FIS-0001-8004G	CCD Scan Engines, High Density,32 bit, 8-pack	$1,290	P

Accessories

Part Number	Description	List Price	Type
98-000097-02	MS-1 Demonstration Kit (Note: Kit contains 1 HD MS-1 and 1 LD MS-1)**	$295	**
98-000051-01	IC-3USB, USB Conversion Kit	$75	A

** This demo kit contains readers and is discounted 25%.

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-01	Photo Sensor, Visible NPN, DARK ON	$193	A
99-000017-02	Photo Sensor, Visible NPN, LIGHT ON	$193	A

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software	$30	A

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MS-2 Series CCD Readers

Read Ranges	
Narrow Bar	**High Density**
5 mil (.127 mm)	0.4" to 1.9" (10 to 48 mm)
10 mil (.254 mm)	0.4" to 3.9" (10 to 99 mm)
15 mil (.381 mm)	0.4" to 4.9" (10 to 124 mm)
Narrow Bar	**Low Density**
5 mil (.127 mm)	1.6" to 3.4" (36 to 84 mm)
10 mil (.254 mm)	1.6" to 6.8" (36 to 188 mm)
20 mil (.508 mm)	1.6" to 12.4" (36 to 325 mm)

*** NOTE: MS2 16 Bit Scan Engines are available in our Legacy Section of this Price Book.

MS-2 (32 bit)

Part Number	Description	List Price	Type
FIS-0002-0005G	MS-2, CCD, Low Density, 32 bit, RS232 Serial	$490	P
FIS-0002-0006G	MS-2, CCD, Low Density, 32 bit, USB	$490	P
FIS-0002-0007G	MS-2, CCD, High Density, 32 bit, RS232 Serial	$490	P
FIS-0002-0008G	MS-2, CCD, High Density, 32 bit, USB	$490	P

Accessories

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210*, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210*, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210*, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210*, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210 and MS-890	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
61-000127-02	Cable, MS-2 to MS-Connect 210, 6 ft	$110	A
FIS-0001-0030G	IB-3PC Keyboard Wedge/Interface Box	$110	A
98-000051-01	IC-3USB, USB Conversion Kit	$83	A
FIS-0001-0035G	IC-332, Connects MS-2 to IB-131	$165	A
99-000018-01	IB-131, Interface Box	$165	A
98-000039-02	Kit, IB-152, DB25 Plug Terminal Block, DB25 Gender Changer	$138	A
61-300026-03	Cable, Communication, DB-25 Plug to DB-9 Socket, 6 ft	$33	A
61-000010-02	Cable, Communication, DB-9 Socket to DB-9 Socket, 6 ft	$33	A
61-000011-02	Cable, MS-820 to IB-131 (also use for MS-2, 3, 4, 9, 710 and MINI Extension)	$33	A
61-100029-03	Cable, IB-131 Daisy Chain, 1 ft	$33	A
20-500013-01	DeviceNet Protocol Box[1]	$655	A

* For MS-Connect 210 accessory discount applies

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MS-2 Series Accessories

Power Supplies

Part Number	Description	List Price	Type
97-000002-01	Power Supply, 90-264 VAC,+5VDC, USA /Euro Plug (use with IB-3PC)	$83	A
97-000002-02	Power Supply (90-264 VAC,5 VDC	$83	A
97-100004-15	Power Supply, 90-264 VAC,+24VDC USA /Euro Plug (only use with IC-332)	$138	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-000048-01	Mounting Arm/Adapter Kit, 4 inch, MS-2, MS-3	$77	A
98-000054-01	Kit, Mounting Stand Base Plate, MS-2, MS-3	$33	A
98-000053-01	Extension Kit, 4 inch, MS-2, MS-3	$39	A
98-000053-02	Mounting Arm Extension Kit, 3 inch, MS-2, MS-3	$39	A
98-000060-01	Kit, Bracket, Side Mount, MS-2, MS-3	$22	A
98-000059-01	Kit, Bracket, Angle Mount, MS-2, MS-3	$22	A
98-000057-01	Kit, Bracket, Through Hole Mount, MS-2, MS-3	$22	A
98-000058-02	Kit, Extended Right Angle Mirror, MS-2, MS-3	$55	A
98-000061-03	MS-2, MS-3 to MS-520/MS-525, Bracket Conversion Kit	$22	A
20-610024-01	Trigger Connector, 4-pin Plug (screw term and field wireable for custom wiring into IB-131)	$33	A
20-610020-01	Power Connector, 3-pin Socket (screw term and field wireable for custom wiring into IB-131)	$33	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-01	Photo Sensor, Visible, NPN, DARK ON (for use with IB-131)	$193	A
99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON (for use with IB-131)	$193	A

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

* 1 free per order.

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Configurations

Standalone (5V)
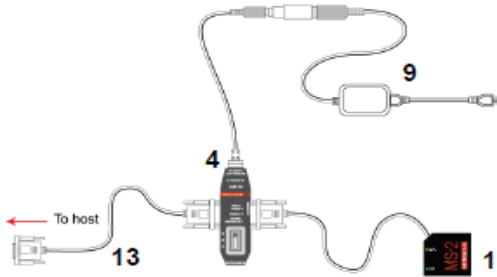
Standalone (10-28V)
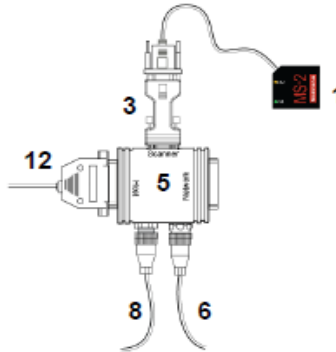
USB (5V)

Keyboard Wedge (5V)
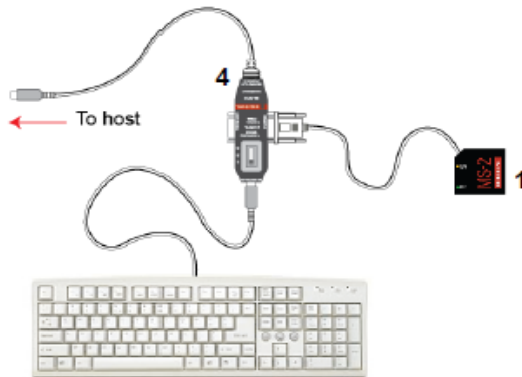
Standalone with MS-Connect 210 (10-28V)
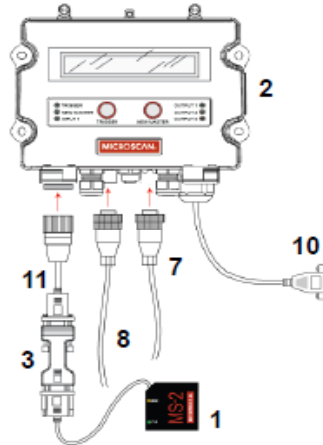
System Matrix

Product	Reference No.	Description	List Price
1	FIS-0001-800XG (8-pack)	MS-2 CCD Reader	$1,290
2	FIS-0210-00XG	MS-Connect 210	Varies
3	FIS-0001-0035G	IC-332 Voltage Converter (to 10-28VDC)	$165
4	FIS-0001-0030G	IP-3PC Interface	$110
5	99-000018-01	IB-131 Interface Box	$165
6,7	99-000017-XX	Object Detector, Light or Dark ON	$193
8	97-100004-15	Power Supply (90-264 VAC, 24VDC, USA/Euro Plug)	$138
9	97-00002-02	Power Supply (90-264 VAC,5 VDC)	$83
10	61-000105-01	Host Cable (MS-Connect 210 to Host)	$33
11	61-000127-02	Reader Cable (Reader to MS-Connect 210, 6')	$33
12	61-300026-03	Communication Cable (IB-131 to Host, 6')	$33
13	61-000010-02	Communication Cable (IB-3PCto Host, 6')	$33

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MICROSCAN.

MS-3 Series Scanners

Read Ranges *	
Narrow Bar	**Laser High Density***
3.3 mil (.084 mm)	2.3" to 2.6" (58 to 66 mm)
5 mil (.127 mm)	2.0" to 3.1" (51 to 79 mm)
7.5 mil (.191 mm)	1.7" to 3.7" (43 to 94 mm)
10 mil (.254 mm)	1.5" to 4.0" (38 to 102 mm)
Narrow Bar	**Laser Low Density***
7.5 mil (.191 mm)	3.0" to 6.0" (76 to 152 mm)
10 mil (.254 mm)	2.0" to 7.0" (51 to 178 mm)
15 mil (.381 mm)	2.0" to 8.0" (51 to 203 mm)
20 mil (.508 mm)	2.0" to 10.0" (51 to 254 mm)

*Call for custom focus. For right-angle version, subtract ~0.6" (15mm) from Read Range.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Scanners MS-3 Standard			
Part Number	Description	List Price	Type
FIS-0003-0001G	Laser, Single Line, Low Density	$935	P
FIS-0003-0002G	Laser, Single Line, High Density	$935	P
FIS-0003-0003G	Laser, Raster, Low Density	$987	P
FIS-0003-0004G	Laser, Raster, High Density	$987	P
FIS-0003-0005G	Laser, Single Line, Low Density, Right Angle	$1,050	P
FIS-0003-0006G	Laser, Single Line, High Density, Right Angle	$1,050	P
FIS-0003-0007G	Laser, Raster, Low Density, Right Angle	$1,103	P
FIS-0003-0008G	Laser, Raster, High Density, Right Angle	$1,103	P
FIS-0003-0009G	Laser, Single Line, Low Density, 6" Cable	$935	P
FIS-0003-0010G	Laser, Single Line, High Density, 6" Cable	$935	P
FIS-0003-0011G	Laser, Raster, Low Density, 6" Cable	$987	P
FIS-0003-0012G	Laser, Raster, High Density, 6" Cable	$987	P
FIS-0003-0013G	Laser, Single Line, Low Density, Right Angle, 6" Cable	$1,050	P
FIS-0003-0014G	Laser, Single Line, High Density, Right Angle, 6" Cable	$1,050	P
FIS-0003-0015G	Laser, Raster, Low Density, Right Angle, 6" Cable	$1,103	P
FIS-0003-0016G	Laser, Raster, High Density, Right Angle, 6" Cable	$1,103	P
FIS-0003-0019G	Laser, Raster, Low Density, PDF	$1,103	P
FIS-0003-0020G	Laser, Raster, High Density, PDF	$1,103	P
FIS-0003-0028G	Laser, Raster, High Density, 6" Cable, PDF	$1,103	P
FIS-0003-0033G	Laser, Single Line, Low Density, VS-310 Replacement	$935	P
FIS-0003-0036G	Laser, Raster, High Density, VS-310 Replacement	$987	P
FIS-0003-0037G	Laser, Single Line, Low Density, MS-610 Replacement	$1,103	P
FIS-0003-0038G	Laser, Raster, Low Density, MS-610 Replacement	$1,166	P

Note: Please reference the Legacy section of this catalog for additional PDF versions.

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MS-3 Series Scanner Accessories

Accessories

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210**, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210**, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210**, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210**, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
61-000127-02	Cable, IC-332 to MS-Connect 210, 6 ft	$110	A
FIS-0001-0030G	IB-3PC Keyboard Wedge/Interface Box	$110	A
98-000051-01	IC-3USB, USB Conversion Kit	$83	A
FIS-0001-0035G	IC-332, Connects MS-3 to IB-131 or MS-connect 210	$165	A
99-000018-01	IB-131, Interface Box	$165	A
98-000039-02	Kit, IB-152, DB25 Plug Terminal Block, DB25 Gender Changer	$138	A
61-300026-03	Cable, Communication, DB-25 Plug to DB-9 Socket, 6 ft	$33	A
61-000010-02	Cable, Communication, DB-9 Socket to DB-9 Socket, 6 ft	$33	A
61-000011-02	Cable, MS-820 to IB-131 (also use for MS-3, 4, 9, 710 and MINI Extension)	$33	A
61-100029-03	Cable, IB-131 Daisy Chain, 1 ft	$33	A
20-500013-01	DeviceNet Protocol Box[1]	$655	A
98-000055-05*	Demo Kit, MS-3	$595	*

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

[1] Part is not RoHS compliant.

Power Supplies

Part Number	Description	List Price	Type
97-000002-01	Power Supply, 90-264 VAC,+5VDC, USA /Euro Plug (use with IB-3PC)	$83	A
97-100004-15	Power Supply, 90-264 VAC,+24VDC USA /Euro Plug (only for IC-332 or connect 210)	$138	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-000048-01	Mounting Arm/Adapter Kit, 4 inch, MS-3	$77	A
98-000054-01	Kit, Mounting Stand Base Plate, MS-3	$33	A
98-000053-01	Extension Kit, 4 inch, MS-3	$39	A
98-000053-02	Extension Kit, 3 inch, MS-3	$39	A
98-000060-01	Kit, Bracket, Side Mount, MS-3	$22	A
98-000059-01	Kit, Bracket, Angle Mount, MS-3	$22	A
98-000057-01	Kit, Bracket, Through Hole Mount, MS-3	$22	A
98-000058-02	Kit, Extended Right Angle Mirror, MS-3	$55	A
98-000061-03	MS-3 to MS-520/MS-525, Bracket Conversion Kit	$22	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable- cust. wiring IB-131/MS-Con. 210)	$33	A
20-610020-01	Power Connector, 3-pin Socket (screw term.and field wireable - cust. wiring IB-131/MS-Con. 210)	$33	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-01	Photo Sensor, Visible, NPN, DARK ON (IB-131 and MS-Connect 210)	$193	A
99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON (IB-131 and MS-Connect 210)	$193	A

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

* 1 free per order.

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Tech Reference *MS-3*

Stand Alone (5V)

This is the basic setup for a single MS-3.
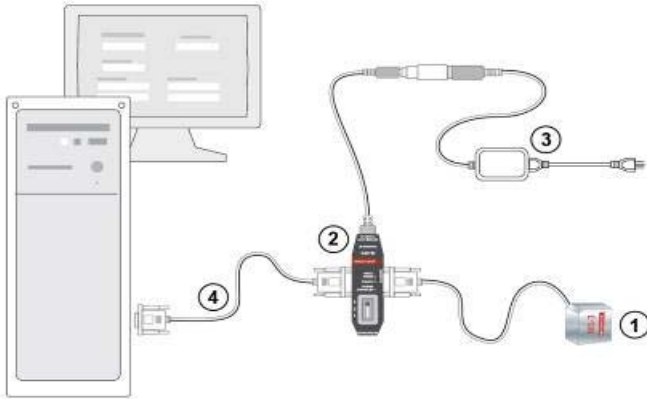
System Matrix

Product	Reference No.	Description	List Price
(1) MS-3 Laser	FIS-0003-XXXXG	Scanner Model	Varies
(2) IB-3PC	FIS-0001-0030G	Keyboard Wedge/Interface Box	$110
(3) Power Supply	97-000002-01	Power Supply, 90-264 VAC, +5VDC	$83
(4) Communication Cable	61-000010-02	9-pin Socket to 9-pin Socket, 6 ft	$33
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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MICROSCAN.

Stand Alone (5V)

This is the basic setup for a single MS-3 and MS-Connect 210.
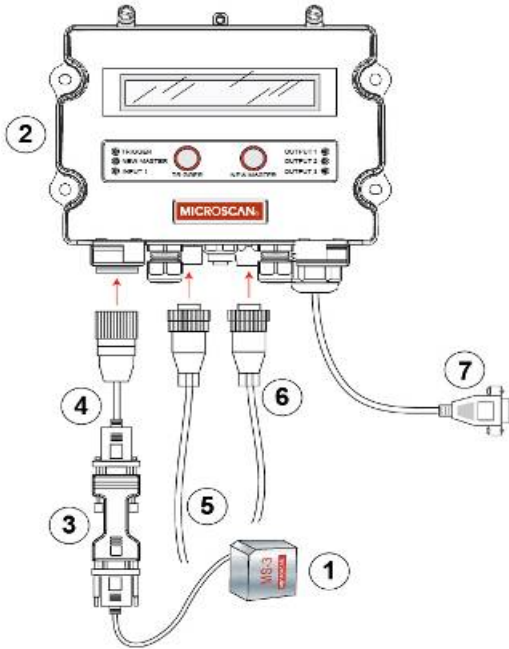
System Matrix

Product	Reference No.	Description	List Price
1	FIS-0003-XXXXG	Scanner Model	Varies
2	FIS-0210-000XG	Connectivity Box [A]	Varies
3	FIS-0001-0035G	Converts the Voltage Level to 10-28 for the MS-3	$165
4	61-000127-02	Cable, MS-3 to MS-Connect 210, 6 ft	$33
5	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
6	99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193
7	61-000105-01	Pre-stripped RS-232, 9-pin host cable **	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

[A] See MS-Connect Series section for a complete listing of Accessories

** 1 free host cable is included with each MS-Connect 210

* 1 free per order.

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Keyboard Wedge

Allows the scanner to bypass
RS-232 port and input data to
a host via the keyboard line.
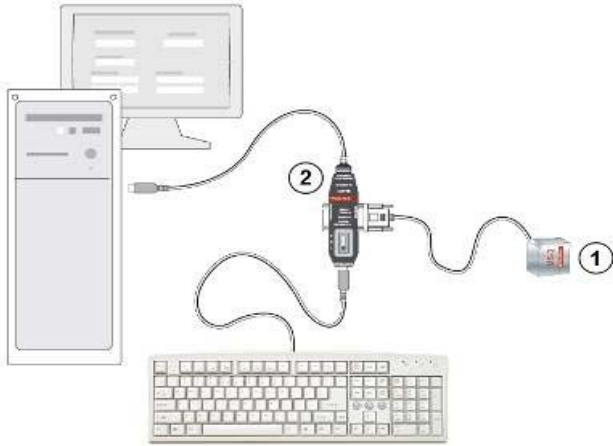
System Matrix

Product	Reference No.	Description	List Price
1	FIS-0003-XXXXG	Scanner Model	Varies
2	FIS-0001-0030G	Keyboard Wedge/Interface Box	$110
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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USB

Allows the scanner to be powered and communicate via a USB port (virtual com port).
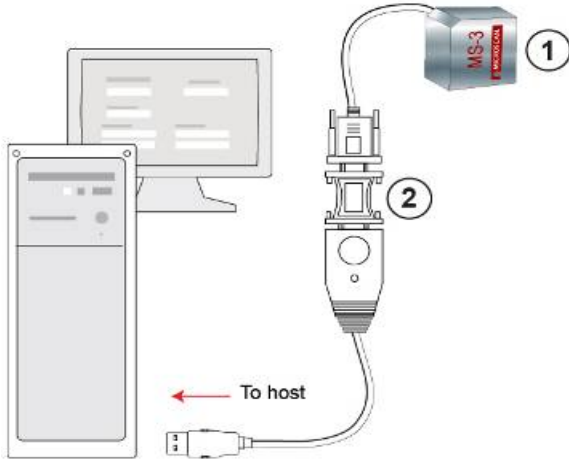
System Matrix

Product	Reference No.	Description	List Price
1	FIS-0003-XXXXG	Scanner Model	Varies
2	98-000051-01	Converts to USB Standard	$83
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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Tech Reference *MS-3*

Stand Alone (10-28V)

This is the basic setup for a single MS-3.

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0003-XXXXG	Scanner Model	Varies
2	FIS-0001-0035G	Adapts an MS-3 to an MS-9 Pinout, Converts the Voltage Level to 10-28, Allows Connection to IB-131	$165
3	99-000018-01	Interface Box	$165
4	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
5	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
6	61-300026-03	25-pin Plug to 9-pin Socket , 6 ft	$33
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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Daisy Chain

A primary scanner is linked directly to the host. Secondary scanners (up to 9) are linked in tandem. Data is sent from the primary scanner directly to the host.

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0003-XXXXG	Scanner Model	Varies
2	FIS-0001-0035G	Adapts an MS-3 to an MS-9 Pinout, Converts the Voltage Level to 10-28, Allows Connection to IB-131	$165
3	99-000018-01	Interface Box	$165
4	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
5	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
6	61-100029-03	IB-131 to IB-131, 1 ft (0.3 meters)	$33
7	61-300026-03	25-pin Plug to 9-pin Socket, 6 ft	$33
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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Optional Interface Protocols

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0003-XXXXG	Scanner Model	Varies
2	FIS-0001-0035G	Adapts an MS-3 to an MS-9 Pinout, Converts the Voltage Level to 10-28, Allows Connection to IB-131	$165
3	99-000018-01	Interface Box	$165
4	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
5	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
6	61-300026-03	25-pin Plug to 9-pin Socket , 6 ft	$33
7	20-500013-01	DeviceNet Protocol Box[1]	$655
8	Third Party	Ask your Microscan sales representative which solution is appropriate for your application.	Varies
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

[1] Part is not RoHS compliant.

* 1 free per order.

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MS-9 High Speed Scanner

Read Ranges *	
Narrow Bar	**High Density**
5 mil (.127 mm)	1.75" to 3.0" (44 to 76 mm)
7.5 mil (.191 mm)	1.5" to 4.0" (38 to 101 mm)
Narrow Bar	**Low Density**
7.5 mil (.191 mm)	2.0" to 5.0" (50 to 127 mm)
10 mil (.254 mm)	1.5" to 6.0" (38 to 152 mm)
15 mil (.381 mm)	1.0" to 7.0" (25 to 178 mm)
20 mil (.508 mm)	1.0" to 9.0" (25 to 230 mm)

* Call for custom focus.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Scanners *

Part Number	Description	List Price	Type
FIS-0911-0001G	Single Line, Low Density, RS-232/422/485, 10-28 VDC	$2,145	P
FIS-0911-0002G	Single Line, High Density, RS-232/422/485, 10-28 VDC	$2,145	P
FIS-0911-0003G	Single Line, OMR, Low Density, RS-232/422/485, 10-28 VDC	$2,409	P
FIS-0911-0004G	Single Line, OMR, High Density, RS-232/422/485, 10-28 VDC	$2,409	P
FIS-0911-0005G	Raster Line, Low Density, RS-232/422/485, 10-28 VDC	$2,277	P
FIS-0911-0006G	Raster Line, High Density, RS-232/422/485, 10-28 VDC	$2,277	P
FIS-0911-0007G	Single Line, Low Density, Pharmacode, RS-232/422/485, 10-28 VDC	$2,145	P

* Scanner has a 3 ft cable terminated with a HD 15 Pin D-sub.

Accessories

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
61-000127-02	Cable, MS-9 to MS-Connect 210, 6 ft	$110	A
99-000018-01	IB-131 Interface Box	$165	A
FIS-0001-0030G	IB-3PC Keyboard Wedge/Interface Box *	$110	A
20-500013-01	DeviceNet Protocol Box **	$655	A
98-000051-01	USB Conversion Kit, IC-3USB *	$83	A
98-000039-02	Kit, IB-152, DB25 Plug Terminal Block, DB25 Gender Changer *	$138	A
61-300026-03	Cable, Communication, DB-25 Plug to DB-9 Socket, 6 ft.	$33	A
61-100029-03	Cable, IB-131 Daisy Chain, 1 ft	$33	A
61-000011-02	Cable, MS-820 to IB-131 (also use for MS-3, 4, 9, 710 and MINI Extension)	$33	A

* Works with IB-131.   ** Works with IB-131; not RoHS compliant.

Power Supply

Part Number	Description	List Price	Type
97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA /Euro Plug	$138	A

Mounting and Connectors

Part Number	Description		Type
98-200036-01	Right Angle Down Mirror	$83	A
98-000092-01	Standard Flat Mounting Plate Kit, Custom Surfaces	$22	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable) (for self wiring)	$33	A
20-610020-01	Power Connector, 3-pin Socket (screw terminal and field wireable) (for self wiring)	$33	A
98-000019-01	Mounting Arm/Adapter Kit, MS-9, 6 inch	$99	A
98-000037-01	Extension Kit, All Scanners', 6 inch	$61	A
98-000054-01	Kit, Mounting Stand Base Plate, Small	$33	A

Package Detector/Sensor

Part Number	Description		Type
99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193	A
99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193	A

Software/Manuals

Part Number	Description		Type
37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

* 1 free per order.

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MICROSCAN.

Stand Alone

This is the basic setup for a single MS-9.

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0911-XXXXG	Scanner Models	Varies
2	99-000018-01	Interface Module	$165
3	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
4	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
5	61-300026-03	Connects Decoder to the PC (Host), 6 ft	$33
Mounting Arm/Adapter Kit	98-000019-01	Adjustable, 6 inch Mounting Arm	$99
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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MICROSCAN.

Stand Alone

This is the basic setup for a single MS-9 and MS-Connect 210.
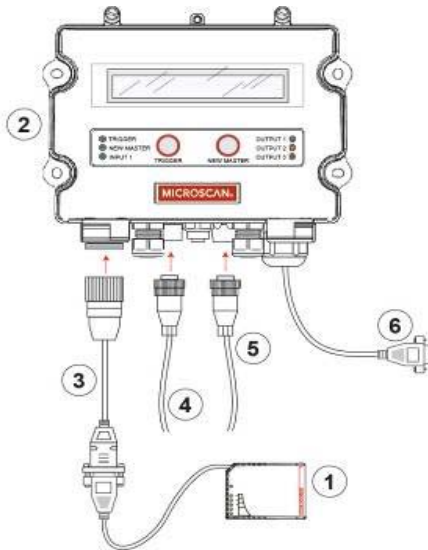
System Matrix

Product	Reference No.	Description	List Price
1	FIS-0911-XXXXG	Scanner Models	Varies
2	FIS-0210-000XG	Connectivity Box *	Varies
3	61-000127-02	Cable, MS-9 to MS-Connect 210, 6 ft	$33
4	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
5	99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193
6	61-000105-01	Pre-stripped RS-232, 9-pin host cable **	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software***	$30

* See MS-Connect Series section for a complete listing of Accessories

** 1 free host cable is included with each MS-Connect 210

*** 1 free per order.

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MICROSCAN.

Daisy Chain

A primary scanner is linked directly to the host. Secondary scanners (up to 9) are linked in tandem. Data is sent from the primary scanner directly to the host.

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0911-XXXXG	Scanner Models	Varies
2	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
3	61-100029-03	Connects the IB-131 to IB-131, 1 ft	$33
4	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
5	99-000018-01	Interface Module	$165
6	61-300026-03	Connects IB-131 to the PC (Host), 6 ft	$33
Mounting Arm/Adapter Kit	98-000019-01	Adjustable, 6 inch Mounting Arm	$99
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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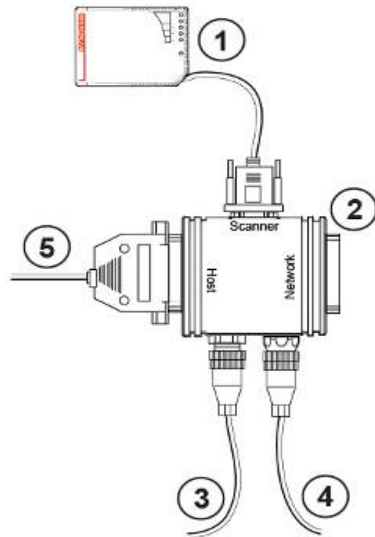
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MICROSCAN.

Optional Interface Protocols

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0911-XXXXG	Scanner Models	Varies
2	99-000018-01	Interface Module	$165
3	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
4	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
5	61-300026-03	Connects IB-131 to the PC (Host), 6 ft	$33
6***	98-000051-01	USB Conversion Kit	$83
7****	FIS-0001-0030G	Keyboard Wedge PC Interface	$110
8	20-500013-01	DeviceNet Protocol Box[1]	$655
9	Third Party	Ask your Microscan sales representative which solution is appropriate for your application.	Varies
Mounting Arm/Adapter Kit	98-000019-01	Adjustable, 6 inch Mounting Arm	$99
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

***Pin Converter is not required for this configuration.

****Set the IB-3PC to **position 2** in this configuration.

[1] Part is not RoHS compliant.

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MICROSCAN.

QX-830 High Performance Compact Industrial Barcode Reader

Read Ranges

Narrow Bar	High Density
5 mil (.127 mm)	4.0" to 5.5" (101 to 140 mm)
7.5 mil (.191 mm)	3.5" to 6.75" (89 to 171 mm)
10 mil (.254 mm)	3.25" to 8.0" (82 to 203 mm)
15 mil (.381 mm)	3.25" to 9.0" (82 to 228 mm)

Narrow Bar	Medium Density
7.5 mil (.191 mm)	2.5" to 5.5" (64 to 140 mm)
10 mil (.254 mm)	1.5" to 7.0" (38 to 178 mm)
15 mil (.381 mm)	1.5" to 8.5" (38 to 216 mm)
20 mil (.508 mm)	1.5" to 11" (38 to 280 mm)
30 mil (.762 mm)	1.0" to 12" (25 to 304 mm)

Narrow Bar	Low Density
7.5 mil (.191 mm)	10" to 12" (254 to 304 mm)
10 mil (.254 mm)	7.0" to 16" (177 to 406 mm)
15 mil (.381 mm)	6.0" to 19" (152 to 483 mm)
20 mil (.508 mm)	5.0" to 22" (127 to 558 mm)
40 mil (1.02 mm)	4.0" to 30" (101 to 762 mm)

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Scanners

Part Number	Description	List Price	Type
FIS-0830-0001G	QX-830, Industrial Barcode Reader, Single Line, Low Density, Serial	$1,795	P
FIS-0830-0002G	QX-830, Industrial Barcode Reader, Single Line, Medium Density, Serial	$1,795	P
FIS-0830-0003G	QX-830, Industrial Barcode Reader, Single Line, High Density, Serial	$1,795	P
FIS-0830-0004G	QX-830, Industrial Barcode Reader, Raster Line, Low Density, Serial	$1,795	P
FIS-0830-0005G	QX-830, Industrial Barcode Reader, Raster Line, Medium Density, Serial	$1,795	P
FIS-0830-0006G	QX-830, Industrial Barcode Reader, Raster Line, High Density, Serial	$1,795	P
FIS-0830-0010G	QX-830, Industrial Barcode Reader, Raster Line, Low Density, Serial, Plastic Window	$1,795	P
FIS-0830-1001G	QX-830, Industrial Barcode Reader, Single Line, Low Density, Serial+Ethernet	$1,995	P
FIS-0830-1002G	QX-830, Industrial Barcode Reader, Single Line, Medium Density, Serial+Ethernet	$1,995	P
FIS-0830-1003G	QX-830, Industrial Barcode Reader, Single Line, High Density, Serial+Ethernet	$1,995	P
FIS-0830-1004G	QX-830, Industrial Barcode Reader, Raster Line, Low Density, Serial+Ethernet	$1,995	P
FIS-0830-1005G	QX-830, Industrial Barcode Reader, Raster Line, Medium Density, Serial+Ethernet	$1,995	P
FIS-0830-1006G	QX-830, Industrial Barcode Reader, Raster Line, High Density, Serial+Ethernet	$1,995	P
FIS-0830-1010G	QX-830, Industrial Barcode Reader, Raster Line, Low Density, Serial+Ethernet, Plastic Window	$1,995	P

Accessories

Part Number	Description	List Price	Type
98-000102-01*	Demo Kit, QX 830/870	$595	*

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

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QX-830 Industrial Scanner Continued

QX-1 and Cordsets

Part Number	Description	List Price	Type
98-000103-02	QX-1 Interface Device	$195	A
61-000148-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin, Plug(Ultraock), 3M	$85	A
61-000148-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 3M	$80	A
61-000162-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin, Plug(Ultraock), 1M	$80	A
61-000162-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 1M	$74	A
61-000153-01	QX Cordset, Host, Serial, M12 12 Pin Socket(Ultraock) to DB9 Socket, 1M	$80	A
61-000153-02	QX Cordset, Host, Serial M12 12 pin Socket(Screw-on) to DB9 Socket, 1M	$74	A
61-000164-01	QX Cordset, Host, Serial, M12 12 pin Socket(Ultraock) to DB9 Socket, 3M	$85	A
61-000164-02	QX Cordset, Host, Serial, M12 12 pin Socket(Screw-on) to DB9 Socket, 3M	$80	A
61-000152-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 1M	$80	A
61-000152-02	QX Cordset, Host, Serial, M12 12 pin Plug (Screw-down) to DB9 Socket, 1M	$74	A
61-000165-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 3M	$85	A
61-000165-02	QX Cordset, Host, Serial M12 12 pin Plug(Screw-on) to DB9 Socket, 3M	$85	A
61-000163-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 3M	$85	A
61-000163-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 3M	$85	A
61-000160-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 1M	$80	A
61-000160-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 1M	$74	A
61-000161-01	QX Cordset, M12 12 pin Plug(Ultraock) to MS-5100, 3M	$85	A
61-000161-02	QX Cordset, M12 12 pin Plug(Screw-on) to MS-5100, 3M	$80	A
61-000172-01	QX Cordset, M12 12 pin Plug(Ultraock) to M12 12 pin Socket(Ultraock) to DB25 Plug	$285	A
61-000158-03	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-232, 2M	$248	A
61-000158-04	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-422/485, 2M	$248	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultraock) to Flying Leads, 3M	$85	A
61-000166-02	QX Cordset, M12 12 Pin Plug(Screw-on) to Flying Leads, 3M	$80	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultraock) to Flying Leads, 3M	$85	A
61-000167-02	QX Cordset, M12 12 Pin Socket(Screw-on) to Flying Leads, 3M	$80	A
61-000159-03*	QX Cordset, M12 Pin Socket to IB-131, RS-232, 2M	$140	A
61-000159-04**	QX Cordset, M12, Pin Socket to IB-131, RS-232 / RS-485, 2M	$140	A
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A

*Use this cable for MS-820 to QX-830 Transition, RS-232
**Use this cable for MS-820 to QX-830 Transition, RS-422 / 485

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Power Supplies

Part Number	Description	List Price	Type
97-000003-01	QX Power Supply, M12 12 pin Socket, 1.3m	$121	A
97-000003-02	QX Power Supply, M12 12 pin Plug, 1.3m	$121	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000020-02	QX Photo sensor, M12 4pin Plug, NPN, Dark On, 2m	$193	A
99-000020-01	QX Photo sensor, M12 4pin Plug, NPN, Dark Off, 2m	$193	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-500006-01	Mounting Plate Kit, Flat, Custom Surfaces *	$22	A
98-200026-02	Right Angle Mirror Kit	$83	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultralock) to Flying Leads, 3M	$85	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultralock) to Flying Leads, 3M	$85	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable) (for self wiring)	$33	A
98-000016-01	Mounting Arm/Adapter Kit, MS-820/QX-830/QX-870, 6 inch	$99	A
98-000037-01	Extension Kit, All Scanners, 6 inch	$61	A
98-000054-01	Kit, Mounting Stand Base Plate, Small	$33	A

* Though-hole mounting plate; not for use with mounting arm.

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

* 1 free per order.

Tech Reference *QX-830*

Stand Alone Configurations
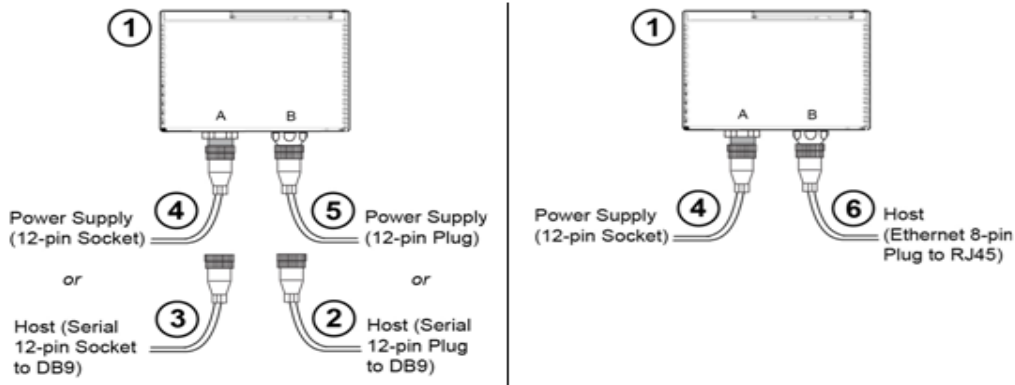
Item	Part Number	Description	List Price
1	FIS-0830-XXXXG	QX-830 Compact Industrial Scanner	Varies
2	61-000152-01	QX Cordset, Host, Serial, M12 12-pin Plug to DB9, 1m *	$80
3	61-000153-01	QX Cordset, Host, Serial, M12 12-pin Socket to DB9, 1m *	$80
4	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
5	97-000003-02	QX Power Supply, M12 12-pin Plug, 1.3m	$121
6	61-000160-01	QX Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1m *	$80
	98-000016-01	Adjustable, 6 inch Mounting Arm	$99
	98-000054-01	Mounting Stand Base Plate, Small	$33
	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths

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Stand Alone Configurations

With QX-1 or MS-Connect 210
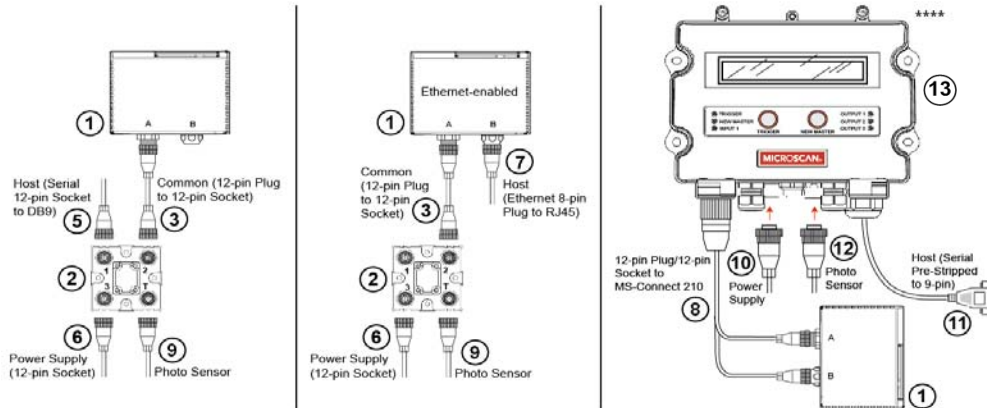
Item	Part Number	Description	List Price
1	FIS-0830-XXXXG	QX-830 Compact Industrial Scanner	Varies
2	98-000103-02	QX-1 Interface Device	$195
3	61-000162-01	QX Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1m *	$80
4	61-000152-01	QX Cordset, Host, Serial, M12 12-pin Plug to DB9, 1m *	$80
5	61-000153-01	QX Cordset, Host, Serial, M12 12-pin Socket to DB9, 1m *	$80
6	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
7	61-000160-01	QX Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1m *	$80
8	61-000158-03	QX Cordset, M12 12-pin Plug & M12 12-pin Socket to MS-Connect 210, (RS-232), 2m	$248
9	99-000020-02	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2m	$193
10	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
11	61-000105-01	Pre-stripped RS-232, 9-pin host cable	$33
12	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
13	FIS-0210-000XG	Connectivity Box ****	Varies
	98-000016-01	Adjustable, 6 inch Mounting Arm Kit	$99
	98-000054-01	Mounting Stand Base Plate, Small	$33
	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths

** One free per order.

**** Refer to MS-Connection section for complete listing of MS-Connection 210 options

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Daisy Chain Configurations

Item	Part Number	Description	*List Price*
1	FIS-0830-XXXXG	QX-830 Compact Industrial Scanner	Varies
2	98-000103-02	QX-1 Interface Device	$195
3	61-000162-01	QX Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1m *	$80
4	61-000153-01	QX Cordset, Host, Serial, M12 12-pin Socket to DB9, 1m *	$80
5	61-000152-01	QX Cordset, Host Serial, M12 12-pin Plug to DB9, 1m *	$80
6	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
7	61-000160-01	QX Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1m *	$80
8	99-000020-02	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2m	$193
	98-000016-01	Adjustable, 6 inch Mounting Arm Kit	$99
	98-000054-01	Mounting Stand Base Plate, Small	$33
	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths

** One free per order.

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Multidrop Configuration

All Trigger Switched must be off.

Item	Part Number	Description	List Price
1	FIS-0830-XXXXG	QX-830 Compact Industrial Scanner	Varies
2	98-000103-02	QX-1 Interface Device	$195
3	61-000162-01*	QX Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1m *	$80
4	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
5	61-000161-01	QX Cordset, M12 12-pin Plug to MS-Connect 5100, 3m	$85
6	99-000020-02	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2m	$193
7	*See page 102 for MS-Connect 5100 to host communication options*		Varies
	98-000016-01	Adjustable, 6 inch Mounting Arm Kit	$99
	98-000054-01	Mounting Stand Base Plate, Small	33
	37-000010-01**	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths. See Accessories section for additional detail.

** One free per order.

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Optional Interface Protocols

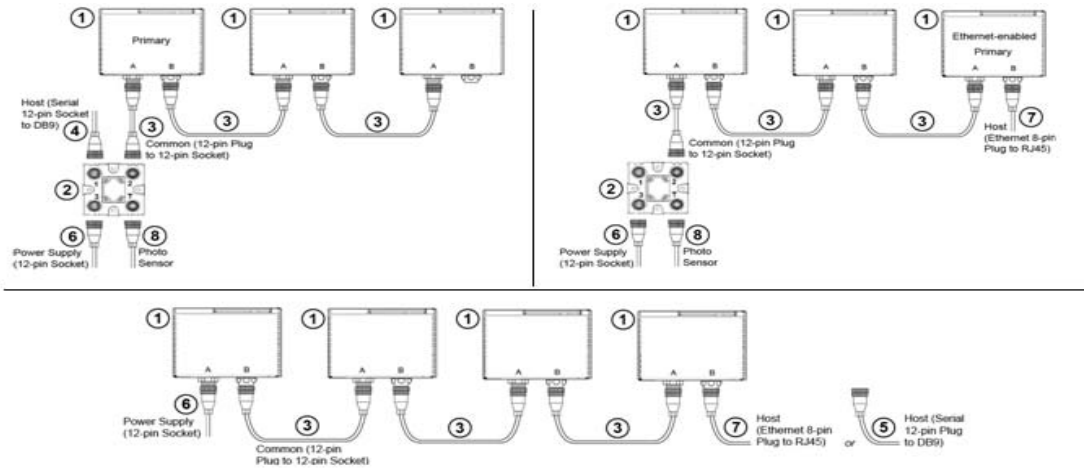| Item	Part Number	Description	List Price
1	FIS-0830-XXXXG	QX-830 Compact Industrial Scanner	Varies
2	98-000103-02	QX-1 Interface Device	$195
3	61-000162-01	QX Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1m *	$80
4	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
5	61-000153-01	QX Cordset, Host, Serial, M12 12-pin Socket to DB9, 1m *	$80
6	99-000020-02	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2m	$193
7	98-000051-01	IC3-USB, USB Conversion Kit	$83
8	FIS-0001-0030G	Keyboard Wedge PC Interface	$110
9	20-500013-01	DeviceNet Protocol Box[1]	$655
	98-000016-01	Adjustable, 6 inch Mounting Arm Kit	$99
	98-000054-01	Mounting Stand Base Plate, Small	$33
	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths. See Accessories section for additional detail.

** One free per order.

[1] Part is not RoHS compliant part

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MICROSCAN.

QX-870 High Performance Industrial Sweeping Raster Barcode Reader

Read Ranges

Narrow Bar	High Density
5 mil (.127 mm)	4" to 5" (102 to 127 mm)
7.5 mil (.191 mm)	3.5" to 6.75" (89 to 171 mm)
10 mil (.254 mm)	3.25" to 8" (82 to 203 mm)
15 mil (.381 mm)	3.25" to 9" (82 to 228 mm)
	Medium Density
7.5 mil (.191 mm)	2.5" to 5.5" (64 to 140 mm)
10 mil (.254 mm)	1.5" to 7" (38 to 178 mm)
15 mil (.381 mm)	1.5" to 8.5" (38 to 216 mm)
30 mil (.762 mm)	1" to 12" (25 to 304 mm)
	Low Density
7.5 mil (.191 mm)	10" to 12" (254 to 305 mm)
10 mil (.254 mm)	7" to 16" (178 to 406 mm)
15 mil (.381 mm)	6" to 19" (152 to 483 mm)
20 mil (.508 mm)	5" to 22" (127 to 558 mm)
40 mil (1.02 mm)	4" to 30" (102 to 762 mm)

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Barcode Readers

Part Number	Description	List Price	Type
FIS-0870-0004G	QX-870, Industrial Barcode Reader, Low Density, Sweeping Raster, Serial	$2,595	P
FIS-0870-0005G	QX-870, Industrial Barcode Reader, Medium Density, Sweeping Raster, Serial	$2,595	P
FIS-0870-0006G	QX-870, Industrial Barcode Reader, High Density, Sweeping Raster, Serial	$2,595	P
FIS-0870-0007G	QX-870, Industrial Barcode Reader, Plastic Window, Low Density, Sweeping Raster, Serial	$2,830	P
FIS-0870-1004G	QX-870, Industrial Barcode Reader, Low Density, Sweeping Raster, Serial+Ethernet	$2,795	P
FIS-0870-1005G	QX-870, Industrial Barcode Reader, Medium Density, Sweeping Raster, Serial+Ethernet	$2,795	P
FIS-0870-1006G	QX-870, Industrial Barcode Reader, High Density, Sweeping Raster, Serial+Ethernet	$2,795	P

QX-1 and Cordsets

Part Number	Description	List Price	Type
98-000103-02	QX-1 Interface Device	$195	A
61-000148-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin, Plug(Ultraock), 3M	$85	A
61-000148-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 3M	$80	A
61-000162-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin, Plug(Ultraock), 1M	$80	A
61-000162-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 1M	$74	A
61-000153-01	QX Cordset, Host, Serial, M12 12 Pin Socket(Ultraock) to DB9 Socket, 1M	$80	A
61-000153-02	QX Cordset, Host, Serial M12 12 pin Socket(Screw-on) to DB9 Socket, 1M	$74	A
61-000164-01	QX Cordset, Host, Serial, M12 12 pin Socket(Ultraock) to DB9 Socket, 3M	$85	A
61-000164-02	QX Cordset, Host, Serial, M12 12 pin Socket(Screw-on) to DB9 Socket, 3M	$80	A
61-000152-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 1M	$80	A
61-000152-02	QX Cordset, Host, Serial, M12 12 pin Plug (Screw-down) to DB9 Socket, 1M	$74	A
61-000165-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 3M	$85	A
61-000165-02	QX Cordset, Host, Serial M12 12 pin Plug(Screw-on) to DB9 Socket, 3M	$85	A
61-000163-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 3M	$85	A
61-000163-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 3M	$85	A
61-000160-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 1M	$80	A
61-000160-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 1M	$74	A
61-000161-01	QX Cordset, M12 12 pin Plug(Ultraock) to MS-5100, 3M	$85	A
61-000161-02	QX Cordset, M12 12 pin Plug(Screw-on) to MS-5100, 3M	$80	A
61-000172-01	QX Cordset, M12 12 pin Plug(Ultraock) to M12 12 pin Socket(Ultraock) to DB25 Plug	$285	A
61-000158-03	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-232, 2M	$248	A
61-000158-04	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-422/485, 2M	$248	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultraock) to Flying Leads, 3M	$85	A
61-000166-02	QX Cordset, M12 12 Pin Plug(Screw-on) to Flying Leads, 3M	$80	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultraock) to Flying Leads, 3M	$85	A
61-000167-02	QX Cordset, M12 12 Pin Socket(Screw-on) to Flying Leads, 3M	$80	A
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A

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QX-870 Industrial Scanner Accessories (Similar to QX-830)

Accessories

Part Number	Description	List Price	Type
98-000102-01*	Demo Kit, QX 830/870	$595	*

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

Power Supplies

Part Number	Description	List Price	Type
97-000003-01	QX Power Supply, M12 12 pin Socket, 1.3m	$121	A
97-000003-02	QX Power Supply, M12 12 pin Plug, 1.3m	$121	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000020-02	QX Photo sensor, M12 4pin Plug, NPN, Dark On, 2m	$193	A
99-000020-01	QX Photo sensor, M12 4pin Plug, NPN, Dark Off, 2m	$193	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-500006-01	Mounting Plate Kit, Flat, Custom Surfaces *	$22	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable) (for self wiring)	$33	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultralock) to Flying Leads, 3M	$85	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultralock) to Flying Leads, 3M	$85	A
98-000016-01	Mounting Arm/Adapter Kit, MS-820/QX-830/QX-870, 6 inch	$99	A
98-000037-01	Extension Kit, All Scanners, 6 inch	$61	A
98-000054-01	Kit, Mounting Stand Base Plate, Small	$33	A

* Though-hole mounting plate; not for use with mounting arm.

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

* 1 free per order.

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Stand Alone Configurations

MS-Connect 210
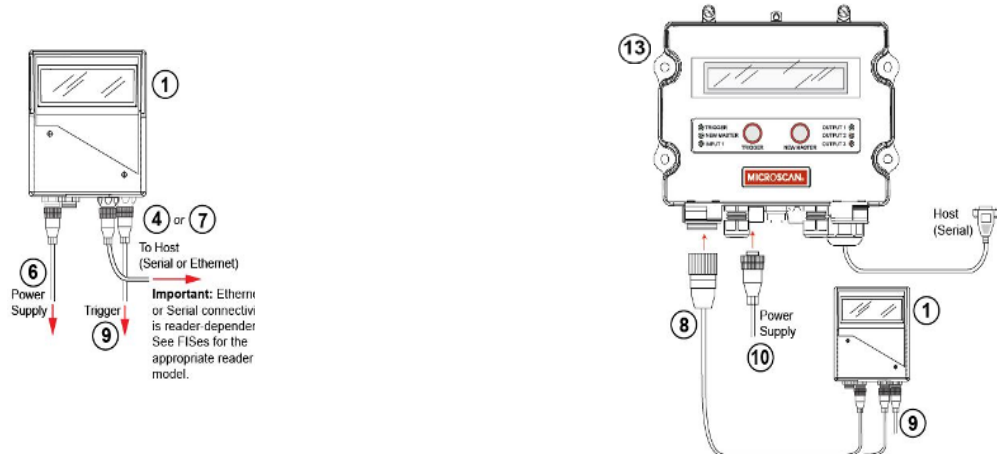
Item	Part Number	Description	List Price
1	FIS-0870-XXXXG	QX-870 Industrial Raster Barcode Reader	Varies
4	61-000152-01	QX Cordset, Host, Serial, M12 12-pin Plug to DB9, 1m *	$80
6	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
7	61-000160-01	QX Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1m *	$80
8	61-000158-03	QX Cordset, M12 12-pin Plug & M12 12-pin Socket to MS-Connect 210, (RS-232), 2m	$248
9	99-000020-02	Photo Sensor PNP***	$193
10	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
13	FIS-0210-000XG	Connectivity Box ****	Varies
	98-000016-01	Adjustable, 6 inch Mounting Arm Kit	$99
	98-000054-01	Mounting Stand Base Plate, Small	$33
	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths

** One free per order.

***QX-870 with MS-Connect 210 requires a PNP photo sensor such as IDEX SA1E-NP1 (LO) and -NP2 (DO)

**** Refer to MS-Connection section for complete listing of MS-Connection 210 options

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Daisy Chain Configuration
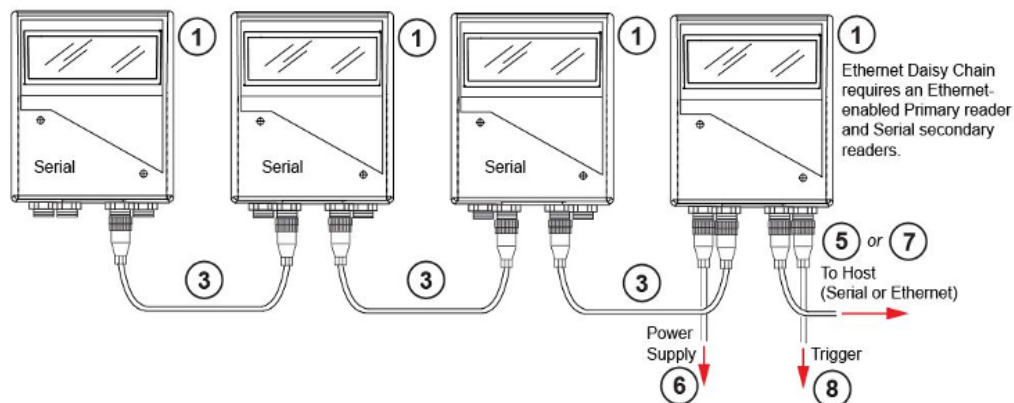
Please also Reference QX-830 section for alternative Daisy Chain configurations

Item	Part Number	Description	List Price
1	FIS-0870-XXXXG	QX-870 Industrial Raster Barcode Reader	Varies
2	98-000103-02	QX-1 Interface Device	$195
3	61-000162-01	QX Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1m *	$80
4	61-000153-01	QX Cordset, Host, Serial, M12 12-pin Socket to DB9, 1m *	$80
5	61-000152-01	QX Cordset, Host Serial, M12 12-pin Plug to DB9, 1m *	$80
6	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
7	61-000160-01	QX Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1m *	$80
8	99-000020-02	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2m	$193
	98-000016-01	Adjustable, 6 inch Mounting Arm Kit	$99
	98-000054-01	Mounting Stand Base Plate, Small	$33
	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths

** One free per order.

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Multidrop Configuration

* QX-1 required when powering more than 4 readers from a single power supply

Item	Part Number	Description	List Price
1	FIS-0870-XXXXG	QX-870 Industrial Raster Barcode Reader	Varies
2	98-000103-02	QX-1 Interface Device	$195
3	61-000162-01*	QX Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1m *	$80
4	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
5	61-000161-01	QX Cordset, M12 12-pin Plug to MS-Connect 5100, 3m	$85
6	99-000020-02	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2m	$193
7		*See MS-Connect 5100 section for detailed options*	Varies
	98-000016-01	Adjustable, 6 inch Mounting Arm Kit	$99
	98-000054-01	Mounting Stand Base Plate, Small	$33
	37-000010-01**	TOOLS DRIVE, User Documentation, Software**	$30

* Cordsets available in multiple lengths. See Accessories section for additional detail.

** One free per order.

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MS-890 Industrial Barcode Reader

Read Ranges	
Narrow Bar	
7.5 mil (.191 mm)	10" to 35" (254 to 889 mm)
15 mil (.381 mm)	10" to 74" (254 to 1880 mm)
20 mil (.508 mm)	10" to 90" (254 to 2286 mm)
30 mil (.762 mm)	10" to 100" (254 to 2540 mm)
40 mil (1.02 mm)	10" to 110" (254 to 2794 mm)
50 mil (1.27 mm)	10" to 120" (254 to 2048 mm)

Important Pricing Discount Note **Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.**

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

MS-890 Industrial Scanners			
Part Number	Description	List Price	Type
FIS-0890-0001G	Long Range, Stand Alone Version, RS-232/485, 10-28 VDC	$4,885	P
FIS-0890-0002G	Long Range, Wiring Box Ready, RS-232/485, 10-28 VDC	$4,885	P

Wiring Box			
Part Number	Description	List Price	Type
99-420003-04	IB-890 Wiring Box (use w/FIS-0890-0002G)	$330	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM	$52	A
12-000130-01	CGB's (sealed strain relief wire clamp) *	$15	A

1 Included with 99-420003-04

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MS-890 Industrial Barcode Reader Continued

Accessories

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210 and MS-890	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
61-000122-01	Cable, To MS-Connect 210, Host RS-422/485 for Multidrop, 6 ft	$110	A
61-000123-01	Cable, To MS-Connect 210, Host/AUX RS-232, for Daisy Chain 210 to 210, 6 ft	$110	A
FIS-0001-0030G	IB-3PC Keyboard Wedge/Interface Box	$110	A
98-000039-02	Kit, IB-152, DB25 Plug Terminal Block, DB25 Gender Changer	$138	A
98-000040-02	IB-150 Interface and reader cable, 6 ft	$193	A
98-000051-01	USB Conversion kit, IC-3USB	$83	A
61-000034-02	Cable, Comm/Serial , 25pin Socket to 9pin Socket, 6 ft	$33	A
61-100029-03	Cable, Connects IB-150 to IB-150, 1 ft , Daisy Chain	$33	A
61-000010-02	Cable, Communication, DB-9 Socket to DB-9 Socket, 6 ft	$33	A
98-000011-01	Glass Window Replacement Kit	$88	A
98-000011-02	Plastic Window Replacement Kit	$143	A
61-000154-01	Daisy Chain/Comm Adapter	$83	A
98-000090-03*	Demo Kit, MS-890	$595	*

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

Power Supply

Part Number	Description	List Price	Type
97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA /Euro Plug	$138	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-000017-01	Mounting Arm/Adapter Kit, IB-890/FIS-0880-0002, 6 inch	$99	A
98-000018-01	Mounting Arm/Adapter kit, MS-890, 6 inch	$99	A
98-000046-01	Kit, Base Plate	$44	A
98-200037-01	Standard Flat Mounting Plate Kit, MS-890, Custom Surfaces	$44	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable) (for self wiring)	$33	A
20-610020-01	Power Connector, 3-pin Socket (screw terminal and field wireable) (for self wiring)	$33	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000004-01	Package Detector, Standard Diffuse, 120 inch Range, 4-pin Plug	$248	A
99-000004-02	Package Detector, Standard Diffuse, 120 inch Range, Unterminated	$248	A
99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193	A
99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193	A

Software / Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

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Stand Alone

This is the basic setup for a single MS-890.

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0890-0001G	Scanner, Industrial, Long Range	Varies
2	61-000010-02	Serial, 9-pin, D-Sub, Socket to 9-pin, D-Sub, Socket, 6 ft	$33
3	97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA /Euro Plug	$138
4	99-000004-01	Package Detector, Standard Diffuse, 120 inch Range, 4-pin Plug	$248
5	61-000034-02	Cable, 25 Pin D-sub, Socket to 9 Pin D-sub, Socket, 6 ft	$33
Mounting Arm Kit	98-000018-01	Mounting Arm/Adapter Kit, MS-890	$99
Mounting Plate	98-000046-01	Mounting Stand Base Plate	$44
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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Tech Reference *MS-890*

Stand Alone
with Wiring Box

This is the basic setup for a single MS-890 with IB-890 Wiring Box.
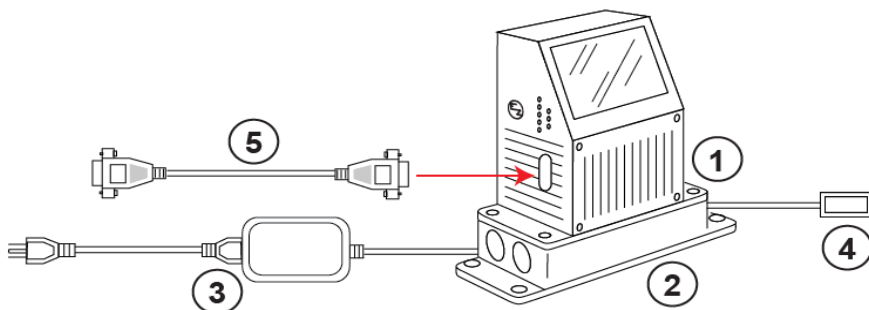
System Matrix

Product	Reference No.	Description	List Price
1	FIS-0890-0002G	Scanner, Industrial, Wiring Box-Ready	Varies
2	99-420003-04	Wiring Box Base, IB-890/FIS-0890-0002	330
3***	97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA /Euro Plug	138
4	99-000004-02	Package Detector, Standard Diffuse, 120 inch Range, Unterminated	248
5	61-000010-02	Serial, 9 pin, D-Sub, Socket to 9 pin, D-Sub, Socket	33
Mounting Arm/Adapter Kit	98-000017-01	6 inch Adjustable Mounting Arm Kit, IB-890/FIS-0880-0002	99
Mounting Plate	98-000046-01	Mounting Stand Base Plate	$44
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

*** Remove connectors before installation.

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Stand Alone
with MS-Connect 210

This is the basic setup for a single MS-890 and MS-Connect 210.

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0890-0001G	Scanner, Industrial, Long Range	Varies
2	FIS-0210-000XG*	Connectivity Box	Varies
	61-000122-01†	Cable, MS-890 to MS-Connect 210, Host RS-422/485, 6ft	$110
3	61-000123-01†	Cable, To MS-Connect 210, Host/AUX RS-232, 6 ft	$110
4	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
5	99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193
6	61-000105-01**	Pre-stripped RS-232, 9-pin host cable	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software***	$30

* See MS-Connect Series section for a complete listing of Accessories

** 1 free host cable is included with each MS-Connect 210

*** 1 free per order.

† Choose one cable.

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MICROSCAN.

Stand Alone
with MS-Connect 210 with Ethernet

This is the basic setup for a single MS-890 and MS-Connect 210 with Ethernet

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0890-0001G	Scanner, Industrial, Long Range	Varies
2	FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849
	61-000122-01†	Cable, MS-890 to MS-Connect 210, Host RS-422/485, 6ft	$110
3	61-000123-01†	Cable, To MS-Connect 210, Host/AUX RS-232, 6 ft	$110
4	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
5	99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193
6	61-000105-01**	Pre-stripped RS-232, 9-pin host cable	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software***	$30

* See MS-Connect Series section for a complete listing of Accessories

** 1 free host cable is included with each MS-Connect 210

*** 1 free per order.

† Choose one cable.

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Daisy Chain

A primary scanner is linked directly to the host. Secondary scanners (up to 9) are linked in tandem. Data is sent from the primary scanner directly to the host.

System Matrix

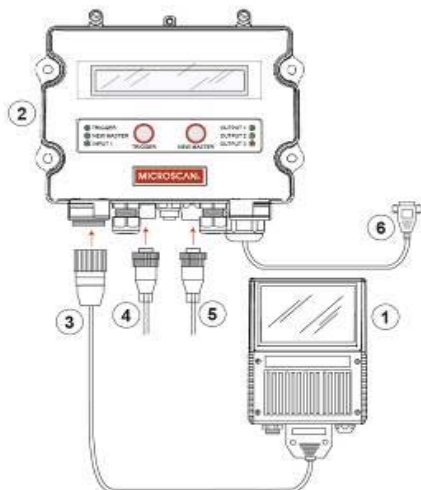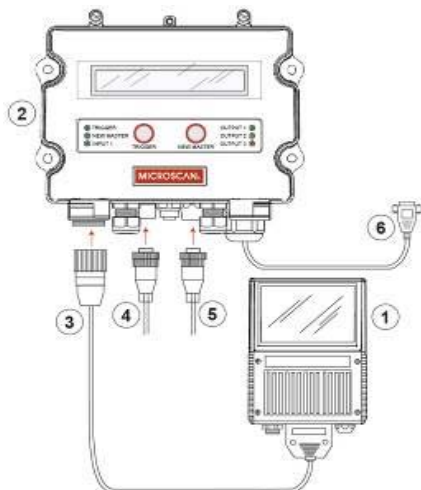| Product	Reference No.	Description	List Price
1	FIS-0890-0001G	Scanner, Industrial, Long Range	Varies
2	98-000040-02	IB-150 Interface and Reader Cable, 6 ft	$193
3	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
4	99-000004-01	Package Detector, Std. Diffuse, 120 inch Range, 4-pin Plug	$248
5	61-100029-03	Cable, Connects IB-150 to IB-150, 1 ft (.3 meters)	$33
6	61-000034-02***	Cable, 25 pin Socket to 9 pin Socket, 6 ft	$33
7	61-000010-02	Serial, 9 pin, D-Sub, Socket to 9 pin, D-Sub, Socket	$33
Mounting Arm Kit	98-000018-01	Mounting Arm/Adapter Kit, MS-890	$99
Mounting Plate	98-000046-01	Mounting Stand Base Plate	$44
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

*** If using another communications cable, make sure it does not have RTS/CTS connected to the host.

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Tech Reference *MS-890*

Optional Interface Protocols

System Matrix

Product	Reference No.	Description	List Price
1	FIS-0890-0001G	Scanner, Industrial, Long Range	Varies
2	98-000040-02	IB-150 Interface and Reader Cable, 6 ft	$193
3	97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA /Euro Plug	$138
4	99-000004-01	Package Detector, Standard Diffuse, 120 inch Range, 4-pin Plug	$248
5	61-000034-02	Cable, 25 Pin D-sub, Socket to 9 Pin D-sub, Socket, 6 ft	$33
6***	98-000051-01	USB Conversion Kit	$83
7****	FIS-0001-0030G	Keyboard Wedge PC Interface	$110
8	20-500013-01[1]	DeviceNet Protocol Box	$655
9	Third Party	Ask your Microscan sales representative which solution is appropriate for your application.	Varies
Mounting Arm Kit	98-000018-01	Mounting Arm/Adapter Kit, MS-890	$99
Mounting Plate	98-000046-01	Mounting Stand Base Plate	$44
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

*1 free per order.

**Refer to page 8 for a complete listing of support agreement options.

*** Pin Converter is not required for this configuration.

****Set the IB-3PC to **position 2** in this configuration.

[1] Part is not RoHS compliant.

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Auto ID 2D Readers and Verifiers
MS-2D Scan Engine

**MS-2D Scan Engine with Bracket
and integrated Decode Board**

**MS-2D Scan Engine with Tabs
and separate Decode Board**

3 mil Code 39	3.7" (95 mm)	5.9" (150 mm)
7.5 mil Code 39	2.2" (55 mm)	8.0" (205 mm)
13 mil UPC	2.0" (50 mm)	10.8" (275 mm)
4.2 mil Data Matrix	3.7" (95 mm)	4.5" (115 mm)
5 mil Data Matrix	3.7" (95 mm)	5.1" (130 mm)
6.3 mil Data Matrix	3.1" (80 mm)	6.3" (160 mm)
10 mil Data Matrix	1.6" (40 mm)	7.7" (195 mm)
20.8 mil Data Matrix	1.6" (40 mm)	9.4" (240 mm)

Note: working ranges are a combination of both the wide and high density fields.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

MS-2D Scan Engine

Part Number	Description	List Price	Type
FIS-MS2D-0001G	MS-2D ENGINE, USB, TABS, 12 IN RIBBON, STD FOCUS	$299	A
FIS-MS2D-0002G	MS-2D ENGINE, USB, BRACKET, 12 IN RIBBON, STD FOCUS	$315	A
FIS-MS2D-0003G	MS-2D ENGINE, SERIAL, TABS, 12 IN RIBBON, STD FOCUS	$299	A
FIS-MS2D-0004G	MS-2D ENGINE, SERIAL, BRACKET, 12 IN RIBBON, STD FOCUS	$315	A

Note: MS-2D Engines must be ordered in multiples of 10 units.

Accessories

Part Number	Description	List Price	Type
61-000209-01	RIBBON CABLE, ENGINE to HOST, MS-2D, 2 IN	$8	A
61-000209-02	RIBBON CABLE, ENGINE TO HOST, MS-2D, 6 IN	$10	A
61-000209-03	RIBBON CABLE, ENGINE TO HOST, MS-2D, 12 IN	$12	A
98-000224-01	DEMO KIT, MS-2D, USB ENG, DECODE, TABS, INTFC BD	$599	A
98-000224-02	DEMO KIT, MS-2D,SERIAL ENG, DECODE, TABS, INTFC BD	$599	A

Note: MS-2D Ribbon Cables must be ordered in multiples of 10 units.

Software / Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

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MICROSCAN.

Auto ID 2D Readers and Verifiers
MS-4 Compact 2D Imager

Narrow-bar-width		Field of View (maximum)	Read Range
1D	**2D**		
Standard Density			
0.0075 " (0.19 mm)	0.010 " (0.25 mm)	2.4 " (61 mm)	2.0 " to 4.0 " (51 mm to 102 mm)
0.010 " (0.25 mm)	0.015 " (0.38 mm)	2.6 " (66 mm)	1.7 " to 4.7 " (43 mm to 119 mm)
0.015 " (0.38 mm)	0.020 " (0.51 mm)	2.8 " (71 mm)	1.4 " to 5.2 " (36 mm to 132 mm)
Low Density			
0.010 " (0.25 mm)	0.015 " (0.38 mm)	4.2 " (107 mm)	3.5 " to 4.5 " (89 mm to 114 mm)
0.015 " (0.38 mm)	0.020 " (0.51 mm)	4.5 " (114 mm)	2.7 " to 5.0 " (69 mm to 127 mm)
0.020 " (0.51 mm)	0.030 " (0.76 mm)	5.5 " (140 mm)	2.0 " to 6.0 " (51 mm to 152 mm)

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Imagers MS-4

Part Number	Description	List Price	Type
FIS-0004-0001G	Imager, Standard Density, RS-232, 5VDC	$935	P
FIS-0004-0002G	Imager, Low Density, RS-232, 5VDC	$935	P
FIS-0004-0003G	Imager, Standard Density, USB*	$935	P
FIS-0004-0004G	Imager, Low Density, USB*	$935	P

* Cable terminated with USB type A connector.

Accessories

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210 and MS-890	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
61-000127-02	Reader Cable MS-4 to MS-Connect 210, 6 ft	$110	A
FIS-0001-0030G	IB-3PC Keyboard Wedge/Interface Box	$110	A
FIS-0001-0035G	IC-332, Connects MS-4 to IB-131	$165	A
99-000018-01	IB-131, Interface Box	$165	A
98-000039-02	Kit, IB-152, DB25 Plug Terminal Block, DB25 Gender Changer *	$138	A
61-300026-03	Cable, Communication, DB-25 Plug to DB-9 Socket, 6 ft	$33	A
61-100029-03	Cable, IB-131 Daisy Chain, 1 ft	$33	A
61-000010-02	Cable, Communication, DB-9 Socket to DB-9 Socket, 6 ft	$33	A
20-500013-01	DeviceNet Protocol Box*	$655	A
61-000011-02	Cable, MS-820 to IB-131 (also use for MS-3, 4, 9, 710 and MINI Extension)	$33	A

*Part is not RoHS compliant.

Power Supplies

Part Number	Description	List Price	Type
97-000002-01	Power Supply, 90-264 VAC,+5VDC, USA/Euro Plug (use with IB-3PC)	$83	A
97-100004-15	Power Supply, 90-264 VAC,+24VDC, USA /Euro Plug (Only use with IC-332)	$138	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-000048-01	Mounting Arm/Adapter Kit, 4 inch, MS-4	$77	A
98-000054-01	Kit, Mounting Stand Base Plate, MS-4	$33	A
98-000053-01	Extension Kit, 4 inch, MS-4	$39	A
98-000053-02	Extension Kit, 3 inch, MS-4	$39	A
98-000060-01	Kit, Bracket, Side Mount, MS-4	$22	A
98-000059-01	Kit, Bracket, Angle Mount, MS-4	$22	A
98-000057-01	Kit, Bracket, Through Hole Mount, MS-4	$22	A
98-000088-01	Kit, Right Angle Mirror, MS-4	$55	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable)	$33	A
20-610020-01	Power Connector, 3-pin Socket (screw terminal and field wireable)	$33	A

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MS-4 Compact 2D Imager Accessories Continued

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193	A
99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193	A

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A
37-000003-01	EZ Trax Software**	$500	A

* 1 free per order.

** EZ Trax is an accessory.

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USB

This is the basic setup for a single USB MS-4.
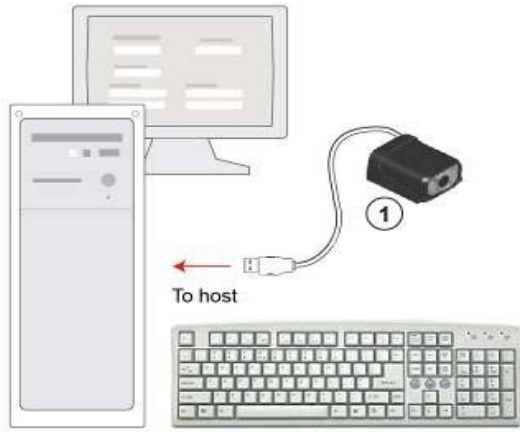
System Matrix

Product	Reference No.	Description	List Price
1	FIS-0004-XXXXG	Imager Model	Varies
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
EZ Trax Software	37-000003-01	Image Capture and Storage Software	$500
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30

* 1 free per order.

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Quadrus MINI Family of Imagers

Narrow-bar-width		Field of View	Read Range
1D	**2D**	**(maximum)**	**(using auto-focus)**
Ultra High Density			
0.0033 " (0.08 mm)	0.005 " (0.13 mm)	2.2 " (56 mm)	2.0 " to 4.4 " (51 mm to 112 mm)
0.0075 " (0.19 mm)	0.010 " (0.25 mm)	3.6 " (91 mm)	1.8 " to 6.7 " (46 mm to 170 mm)
0.015 " (0.38 mm)	0.020 " (0.51 mm)	4.0 " (102 mm)	1.9 " to 7.7 " (48 mm to 196 mm)
High Density			
0.005 " (0.13 mm)	0.0075 " (0.19 mm)	3.1 " (79 mm)	1.5 " to 6.0 " (38 mm to 152 mm)
0.0075 " (0.19 mm)	0.010 " (0.25 mm)	4.2 " (107 mm)	1.2 " to 7.0 " (30 mm to 178 mm)
0.015 " (0.38 mm)	0.020 " (0.51 mm)	5.6 " (142 mm)	0.9 " to 9.0 " (23 mm to 229 mm)
Standard Density			
0.005 " (0.13 mm)	0.0075 " (0.19 mm)	3.2 " (81 mm)	1.8 " to 3.5 " (46 mm to 89 mm)
0.0075 " (0.19 mm)	0.010 " (0.25 mm)	4.2 " (107 mm)	1.6 " to 5.0 " (41 mm to 127 mm)
0.010 " (0.25 mm)	0.015 " (0.38 mm)	6.8 " (173 mm)	1.4 " to 7.5 " (36 mm to 191 mm)
0.020 " (0.51 mm)	0.030 " (0.76 mm)	9.5 " (241 mm)	1.0 " to 10.0 " (25 mm to 254 mm)

Listed above is the read range chart for Quadrus MINI and MINI ESD Safe Imagers. See MINI 3 and Velocity section for additional specifications

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Quadrus MINI Imagers

Part Number	Description	List Price	Type
FIS-6300-0001G	Megapixel Imager, Standard Density, Serial, 5VDC	$1,990	P
FIS-6300-0002G	Megapixel Imager, High Density, Serial, 5VDC	$1,990	P
FIS-6300-0003G	Megapixel Imager, Ultra High Density, Serial, 5VDC	$1,990	P
FIS-6300-0013G	Megapixel Imager, Standard Density, USB+I/O,5VDC *	$2,090	P
FIS-6300-0014G	Megapixel Imager, High Density, USB+I/O,5VDC *	$2,090	P
FIS-6300-0015G	Megapixel Imager, Ultra High Density, USB+I/O,5VDC *	$2,090	P

* Includes required power supply.

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Quadrus MINI ESD Safe

Performance specifications match Quadrus MINI

Quadrus MINI ESD Safe Imagers		List Price	Type
Part Number	Description	List Price	Type
FIS-6300-1001G	Quadrus MINI, Standard Density, ESD Safe, RS-232/422/485, 5VDC	$2,990	P
FIS-6300-1002G	Quadrus MINI, High Density, ESD Safe, RS-232/422/485, 5VDC	$2,990	P
FIS-6300-1003G	Quadrus MINI, Ultra High Density, ESD Safe, RS-232/422/485, 5VDC	$2,990	P
FIS-6300-1004G	Quadrus MINI, Standard Density, ESD Safe, USB, 5VDC*	$3,090	P
FIS-6300-1005G	Quadrus MINI, High Density, ESD Safe, USB, 5VDC*	$3,090	P
FIS-6300-1006G	Quadrus MINI, Ultra High Density, ESD Safe, USB, 5VDC*	$3,090	P

Quadrus MINI Velocity

Narrow-bar-width		Field of View (maximum)	Read Range (using autofocus)
1D	2D		
Ultra High Density			
.0033" (0.08 mm)	.005" (0.13 mm)	1.1" (29 mm)	1.9 to 3.0" (48 mm to 76 mm)
.005" (0.13 mm)	.075" (0.19 mm)	1.8" (45 mm)	1.8 to 5.0" (46 mm to 127 mm)
.010" (0.25 mm)	.15" (0.38 mm)	2.5" (64 mm)	1.6 to 7.0" (41 mm to 178 mm)
Standard Density			
.005" (0.13 mm)	.0075" (0.19 mm)	2.7" (69 mm)	1.7 to 3.4" (43 mm to 86 mm)
.0075" (0.19 mm)	.010" (0.25 mm)	3.7" (93 mm)	1.6 to 5.0" (41 mm to 127mm)
.010" (0.25 mm)	.15" (0.38 mm)	4.7" (118 mm)	1.4 to 8.0" (36 mm to 203 mm)
.020" (0.51 mm)	.030" (0.76 mm)	5.3" (136 mm)	1.3 to 9.3" (33 mm to 236 mm)

Subject to change

Quadrus MINI Velocity Imagers		List Price	Type
Part Number	Description	List Price	Type
FIS-6300-3001G	Quadrus MINI Velocity, Standard Density, Serial, 5VDC	$1,990	P
FIS-6300-3002G	Quadrus MINI Velocity, Ultra High Density, Serial, 5VDC	$1,990	P
FIS-6300-3009G	Quadrus MINI Velocity, Standard Density, USB+I/O, 5VDC *	$2,090	P
FIS-6300-3010G	Quadrus MINI Velocity, Ultra High Density, USB+I/O, 5VDC *	$2,090	P

* Includes required power supply.

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MINI Hawk 3MP

Narrow-bar-width		Field of View (maximum)	Read Range (using autofocus)
1D	2D		
Micro Density			
.0028" (.07mm)	.0033" (.08mm)	1.2" (30.4 mm)	1.9 to 2.0" (48.3 mm to 50.8 mm)
.0033" (.08 mm)	.005" (.13 mm)	4" (101.6 mm)	1.9 to 5.1" (48.3 mm to 129.5 mm)
.0075" (.19 mm)	.010" (.25 mm)	4.5" (114.3 mm)	1.7 to 5.6" (43.2 mm to 142.2 mm)
.015" (.38 mm)	.020" (.51 mm)	5.0" (127 mm)	1.7 to 6" (43.2 mm to 152.4 mm)
Standard Density			
.0033" (.08 mm)	.005" (.13 mm)	3.2" (81.3 mm)	1.9 to 3" (48 mm to 76.2 mm)
.005" (.13 mm)	.0075" (.19 mm)	5.0" (127 mm)	1.8 to 4.8" (46 mm to 121.9 mm)
.0075" (.19 mm)	.010" (.25 mm)	6.2" (157.5 mm)	1.6 to 6.5" (41 mm to 165.1 mm)
.010" (.25 mm)	.015" (.38 mm)	8.5" (215.9 mm)	1.4 to 8.5" (36 mm to 215.9 mm)
.020" (0.51 mm)	.030" (.76 mm)	9.5" (241 mm)	1.0 to 10" (25 mm to 254 mm)

MINI Hawk 3MP Imagers

Part Number	Description	List Price	Type
FIS-6300-2013G	MINI Hawk 3, Micro Density, Serial, 5VDC	$2,990	P
FIS-6300-2014G	MINI Hawk 3, Standard Density, Serial, 5VDC	$2,990	P
FIS-6300-2015G	MINI Hawk 3, Micro Density, USB + I/O, 5VDC	$3,090	P
FIS-6300-2016G	MINI Hawk 3, Standard Density, USB + I/O, 5VDC	$3,090	P

* Includes required power supply.

MINI Hawk High Resolution

Narrow-bar-width		Field of View (maximum)	Read Range (with autofocus)
1D	2D		
Ultra High Density			
.0033" (0.08 mm)	.005" (.13 mm)	2.2" (56 mm)	2.0 to 4.4" (51 mm to 112 mm)
.0075" (0.19 mm)	.010" (.25 mm)	3.6" (91 mm)	1.9 to 6.7" (48 mm to 170 mm)
.015" (0.38 mm)	.020" (.51 mm)	4.0" (102 mm)	1.9 to 7.7" (48 mm to 196 mm)
High Density			
.005" (0.13 mm)	.0075" (.19 mm)	3.1" (79 mm)	1.5 to 6.0" (38 mm to 152 mm)
.0075" (0.19 mm)	.010" (.25 mm)	4.2" (107 mm)	1.2 to 8.0" (30 mm to 203 mm)
.015" (0.38 mm)	.020" (.51 mm)	5.6" (142 mm)	0.9 to 10.5" (23 mm to 267 mm)
Standard Density			
.005" (0.13 mm)	.0075" (.19 mm)	3.2" (81 mm)	1.8 to 3.5" (46 mm to 89 mm)
.0075" (0.19 mm)	.010" (.25 mm)	4.2" (107 mm)	1.6 to 5.0" (41 mm to 127 mm)
.010" (0.25 mm)	.015" (.38 mm)	6.8" (173 mm)	1.4 to 7.5" (36 mm to 191 mm)
.020" (0.51 mm)	.030" (.76 mm)	9.5" (241 mm)	1.0 to 11.0" (25 mm to 279 mm)

MINI Hawk High Resolution

Part Number	Description	List Price	Type
FIS-6300-4007G	MINI Hawk High Res, Standard Density, Serial, 5VDC	$2,190	P
FIS-6300-4008G	MINI Hawk High Res, High Density, Serial, 5VDC	$2,190	P
FIS-6300-4009G	MINI Hawk High Res, Ultra High Density, Serial, 5VDC	$2,190	P
FIS-6300-4010G	MINI Hawk High Res, Standard Density, USB+I/O, 5VDC*	$2,290	P
FIS-6300-4011G	MINI Hawk High Res, High Density, USB+I/O, 5VDC*	$2,290	P
FIS-6300-4012G	MINI Hawk High Res, Ultra High Density, USB+I/O, 5VDC*	$2,290	P

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MINI Hawk High Speed

Narrow-bar-width		Field of View	Read Range
1D	2D	(maximum)	(with autofocus)
Ultra-High Density			
.0033" (.08 mm)	.005" (.13 mm)	1.6" (40 mm)	1.9 to 4.4" (47 mm to 110 mm)
.0075" (.19 mm)	.010" (.25 mm)	2.5" (64 mm)	1.7 to 6.7" (42 mm to 170 mm)
.015" (.38 mm)	.020" (.51 mm)	2.9" (74 mm)	1.5 to 8.0" (38 mm to 203 mm)
Standard Density			
.005" (.13 mm)	.0075" (.19 mm)	2.8" (72 mm)	1.6 to 4.4" (41 mm to 112 mm)
.0075" (.19 mm)	.010" (.25 mm)	3.8" (97 mm)	1.5 to 6.2" (38 mm to 157 mm)
.010" (.25 mm)	.015" (.38 mm)	4.7" (118 mm)	1.4 to 7.6" (36 mm to 193 mm)
.020" (.51 mm)	.030" (.76 mm)	6.2" (158 mm)	1.3 to 10.0" (33 mm to 254 mm)

MINI Hawk High Speed Imagers

Part Number	Description	List Price	Type
FIS-6300-5005G	MINI Hawk High Speed, Standard Density, Serial, 5VDC	$2,190	P
FIS-6300-5006G	MINI Hawk High Speed, Ultra High Density, Serial, 5VDC	$2,190	P
FIS-6300-5007G	MINI Hawk High Speed, Standard Density, USB+I/O, 5VDC*	$2,290	P
FIS-6300-5008G	MINI Hawk High Speed, Ultra High Density, USB+I/O, 5VDC*	$2,290	P

* Includes required power supply.

Note:
Quadrus MINI Tech References are equal to MS-3 Laser with the exception of USB

Visit the MS-3 Laser section for configuration references

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Quadrus MINI Accessories

Accessories

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210 and MS-890	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
61-000127-02	Cable, Quadrus MINI to MS-Connect 210, 6 ft	$110	A
FIS-0001-0035G	IC-332, Connects MINI to IB-131	$165	A
99-000018-01	IB-131, Interface Box	$165	A
98-000039-02	Kit, IB-152, DB25 Plug Terminal Block, DB25 Gender Changer [A]	$138	A
61-300026-03	Cable, Communication, DB-25 Plug to DB-9 Socket, 6 ft	$33	A
61-100029-03	Cable, IB-131 Daisy Chain, 1 ft	$33	A
20-500013-01	DeviceNet Protocol Box * [1]	$655	A
61-000011-02	Cable, MS-820 to IB-131 (also use for MS-3, 4, 9, 710 and MINI Extension)	$33	A
61-000151-01	Cable, MINI USB, I/O Breakout, Flying Leads, 3ft	$33	A
98-000098-01	Kit, Quadrus MINI Diffuser	$55	A
98-000086-02*	Demo Kit, Quadrus MINI	$655	*

[A] Works with IB-131. [1] Part is not RoHS compliant.

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

Power Supply

Part Number	Description	List Price	Type
97-100004-15	Power Supply, 90-264 VAC,+24VDC, USA /Euro Plug (Only use with IC-332)	$138	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-000048-01	Mounting Arm/Adapter Kit, 4 inch, Quadrus MINI	$77	A
98-000054-01	Kit, Mounting Stand Base Plate, Quadrus MINI	$33	A
98-000053-01	Extension Kit, 4 inch, Quadrus MINI	$39	A
98-000053-02	Extension Kit, 3 inch, Quadrus MINI	$39	A
98-000060-01	Kit, Bracket, Side Mount, Quadrus MINI	$22	A
98-000059-01	Kit, Bracket, Angle Mount, Quadrus MINI	$22	A
98-000057-01	Kit, Bracket, Through Hole Mount, Quadrus MINI	$22	A
98-000088-01	Kit, Right Angle Mirror	$55	A
20-610024-01	Trigger Connector for IB-131, 4-pin Plug	$33	A
20-610020-01	Power Connector for IB-131, 3-pin Socket	$33	A
99-000055-01	Accessory, Bracket, DOAL 50 to MINI	$253	A
99-000057-01	Accessory, Bracket, DOAL 75 to MINI	$253	A
99-000059-01	Accessory, Bracket, DOAL 100 to MINI	$253	A
99-000053-01	Accessory, Bracket,R-60/70 to MINI	$138	A
99-000054-01	Accessory, Bracket,R-100 to MINI	$138	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-01	Photo Sensor, Visible, NPN, Dark On	$193	A
99-000017-02	Photo Sensor, Visible, NPN, Light On	$193	A
99-000019-01	Photo Sensor, Visible, NPN, Light On, 5VDC	$193	A

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A
37-000003-01	EZ Trax Software	$500	A

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USB

This is the basic setup for a single USB (Second Generation) Quadrus MINI.
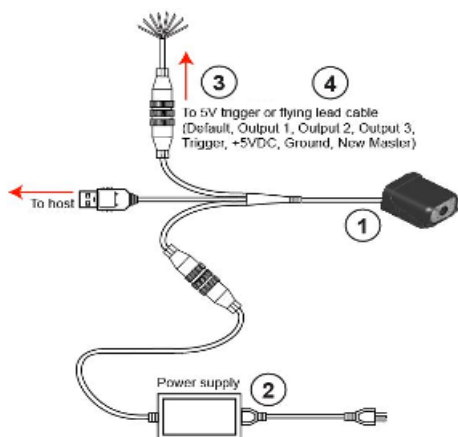
System Matrix

Product	Reference No.	Description	List Price
1	FIS-6300-XXXXG	MINI Imager, USB	Varies
2	97-000002-02	Power Supply , 90-264 VAC, +5VDC *	$83
3	99-000019-01	Photo Sensor, Visible, NPN, Light On, 5VDC	$193
4	61-000151-01	Cable, MINI USB, I/O Breakout, Flying Leads, 3ft	$33
Mounting Arm/Adapter Kit	98-000048-01	4" (102mm) Mounting Kit	$77
Mounting Plate	98-000054-01	Mounting Stand Base Plate, Small	$33
EZ Trax Software	37-000003-01	Image Capture and Storage Software	$500
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30
Replacement Power Supply	97-000002-02	Power Supply , 90-264 VAC, +5VDC *	$83

*Required power supply included with each reader.

** 1 free per order.

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QX Hawk High Performance, Flexible, Industrial Imager for Auto ID

Compact Size
Fast and Powerful
X-Mode Algorithms
Liquid Lens Imaging System
QX Platform
Integrated Ethernet
IP65/67

CMOS MODULAR ZOOM OPTICS: Inches (mm)

15°

Narrow-bar-width		Read Range	Field of View		Depth of Field	
1D	2D	(using autofocus)	At Inside Edge	At Outside Edge	Inside Edge	Outside Edge
0.0033 (0.08)	0.005 (0.13)	1 to 6 (25 to 152)	0.53 (13)	1.8 (46)	0.2 (5)	0.8 (20)
0.0075 (0.19)	0.010 (0.25)	1 to 14 (25 to 356)	0.53 (13)	3.5 (89)	0.8 (20)	2.5 (64)
0.0150 (0.38)	0.020 (0.51)	2 to 29 (51 to 737)	0.53 (13)	7.5 (191)	1.5 (38)	9 (229)
0.0350 (0.89)	0.050 (1.27)	3 to 60 (76 to 1524)	1.03 (26)	15.5 (394)	7 (178)	50 (1270)
0.0660 (1.67)	0.100 (2.54)	6 to 96 (152 to 2438)	1.08 (27)	25 (635)	9 (229)	65 (1651)

30°

Narrow-bar-width		Read Range	Field of View		Depth of Field	
1D	2D	(using autofocus)	Inside Edge	Outside Edge	Inside Edge	Outside Edge
0.0033 (0.08)	0.005 (0.13)	1 to 3 (25 to 76)	0.83 (21)	1.8 (46)	0.4 (10)	0.8 (20)
0.0075 (0.19)	0.010 (0.25)	1 to 6.5 (25 to 165)	0.83 (21)	3.5 (89)	0.8 (20)	1.8 (46)
0.0150 (0.38)	0.020 (0.51)	1 to 16 (25 to 406)	0.83 (21)	8.3 (211)	2 (51)	8.5 (216)
0.0350 (0.89)	0.050 (1.27)	2 to 32 (51 to 813)	1.3 (33)	16.4 (417)	3 (76)	21.5 (546)

45°

Narrow-bar-width		Read Range	Field of View		Depth of Field	
1D	2D	(using autofocus)	Inside Edge	Outside Edge	Inside Edge	Outside Edge
0.0075 (0.19)	0.010 (0.25)	1 to 5 (25 to 127)	1.3 (33)	4.1 (104)	1.5 (38)	2 (51)
0.0150 (0.38)	0.020 (0.51)	1 to 9.5 (25 to 241)	1.3 (33)	7.5 (191)	2 (51)	6 (152)
0.0350 (0.89)	0.050 (1.27)	1 to 23.5 (25 to 597)	1.3 (33)	18.3 (465)	3.8 (97)	19 (483)

NOTE: Read ranges are for specific element sizes as listed in the tables. Read ranges can extend to an infinite distance beyond the tables by increasing element sizes.

CCD MODULAR ZOOM OPTICS: Inches (mm)

15°

Narrow-bar-width		Read Range	Field of View		Depth of Field	
1D	2D	(using autofocus)	At Inside Edge	At Outside Edge	Inside Edge	Outside Edge
0.002 (0.05)	0.0033 (0.08)	1 to 6 (25 to 152)	0.53 (13)	1.8 (46)	0.2 (5)	0.8 (20)
0.005 (0.13)	0.0075 (0.19)	1 to 14 (25 to 356)	0.53 (13)	3.5 (89)	0.8 (20)	2.5 (64)
0.010 (0.25)	0.0150 (0.38)	2 to 29 (51 to 737)	0.53 (13)	7.5 (191)	1.5 (38)	9 (229)
0.020 (0.51)	0.0300 (0.76)	3 to 60 (76 to 1524)	1.03 (26)	15.5 (394)	7 (178)	50 (1270)
0.040 (1.02)	0.0600 (1.52)	6 to 96 (152 to 2438)	1.08 (27)	25 (635)	9 (229)	65 (1651)

30°

Narrow-bar-width		Read Range	Field of View		Depth of Field	
1D	2D	(using autofocus)	Inside Edge	Outside Edge	Inside Edge	Outside Edge
0.002 (0.05)	0.0033 (0.08)	1 to 3 (25 to 76)	0.83 (21)	1.8 (46)	0.4 (10)	0.8 (20)
0.005 (0.13)	0.0075 (0.19)	1 to 6.5 (25 to 165)	0.83 (21)	3.5 (89)	0.8 (20)	1.8 (46)
0.010 (0.25)	0.0150 (0.38)	1 to 16 (25 to 406)	0.83 (21)	8.3 (211)	2 (51)	8.5 (216)
0.020 (0.51)	0.0300 (0.76)	2 to 32 (51 to 813)	1.3 (33)	16.4 (417)	3 (76)	21.5 (546)

45°

Narrow-bar-width		Read Range	Field of View		Depth of Field	
1D	2D	(using autofocus)	Inside Edge	Outside Edge	Inside Edge	Outside Edge
0.005 (0.13)	0.0075 (0.19)	1 to 5 (25 to 127)	1.3 (33)	4.1 (104)	1.5 (38)	2 (51)
0.010 (0.25)	0.0150 (0.38)	1 to 9.5 (25 to 241)	1.3 (33)	7.5 (191)	2 (51)	6 (152)
0.020 (0.51)	0.0300 (0.76)	1 to 23.5 (25 to 597)	1.3 (33)	18.3 (465)	3.8 (97)	19 (483)

NOTE: Read ranges are for specific element sizes as listed in the tables. Read ranges can extend to an infinite distance beyond the tables by increasing element sizes.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

QX Hawk CMOS Readers

Part Number	Description	List Price	Type
FIS-6801-0110G	QX Hawk, Industrial Imager, CMOS, 15 Degree Optic, Serial	$3,190	P
FIS-6801-1110G	QX Hawk, Industrial Imager, CMOS, 15 Degree Optic, Ethernet	$3,190	P
FIS-6801-0210G	QX Hawk, Industrial Imager, CMOS, 30 Degree Optic, Serial	$3,190	P
FIS-6801-1210G	QX Hawk, Industrial Imager, CMOS, 30 Degree Optic, Ethernet	$3,190	P
FIS-6801-0310G	QX Hawk, Industrial Imager, CMOS, 45 Degree Optic, Serial	$3,190	P
FIS-6801-1310G	QX Hawk, Industrial Imager, CMOS, 45 Degree Optic, Ethernet	$3,190	P
FIS-6801-0010G	QX Hawk, Industrial Imager, CMOS, C-Mount Optic, Serial	$2,990	P
FIS-6801-1010G	QX Hawk, Industrial Imager, CMOS, C-Mount Optic, Ethernet	$2,990	P

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QX Hawk CCD Readers

Part Number	Description	List Price	Type
FIS-6801-0100G	QX Hawk, Industrial Imager, CCD, 15 Degree Optic, Serial	$3,390	P
FIS-6801-1100G	QX Hawk, Industrial Imager, CCD, 15 Degree Optic, Ethernet	$3,390	P
FIS-6801-0200G	QX Hawk, Industrial Imager, CCD, 30 Degree Optic, Serial	$3,390	P
FIS-6801-1200G	QX Hawk, Industrial Imager, CCD, 30 Degree Optic, Ethernet	$3,390	P
FIS-6801-0300G	QX Hawk, Industrial Imager, CCD, 45 Degree Optic, Serial	$3,390	P
FIS-6801-1300G	QX Hawk, Industrial Imager, CCD, 45 Degree Optic, Ethernet	$3,390	P
FIS-6801-0000G	QX Hawk, Industrial Imager, CCD, C-Mount Optic, Serial	$3,190	P
FIS-6801-1000G	QX Hawk, Industrial Imager, CCD, C-Mount Optic, Ethernet	$3,190	P

Note CMOS (WVGA) - 752 x 480 pixels, CCD (SXGA) 1280 x 960 pixels

QX Hawk Accessories

Accessories

Part Number	Description	List Price	Type
98-000143-01	Adapter plate kit, QX Hawk to Quadrus EZ, MS-9 or HE1500 mounting	$55	A
98-000144-01	Right angle mirror kit, QX Hawk	$85	A
98-000146-01	Window replacement, QX Hawk	$35	A
98-000147-01	15° Lens kit, QX Hawk	$135	A
98-000147-02	30° Lens kit, QX Hawk	$135	A
98-000147-03	45° Lens kit, QX Hawk	$135	A
98-000205-01	Glass window kit with IR Filter	$135	A
98-000206-01	Glass window kit	$70	A
98-000148-01	L bracket kit, QX Series	$45	A
98-000149-01	Demo kit, QX Hawk*	$595	*

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

QX Hawk C-Mount Accessories

Accessories

Part Number	Description	List Price	Type
98-92800471	5MM EXTENSION TUBE FOR C-MOUNT LENSES	$40	A
98-CO206	LENS EXTENSION TUBE SET 0.5, 1, 5, 10, 20, 40MM	$145	A
98-92800571	LENS 8MM F/1.4-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800572	LENS 12MM F/1.8-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800573	LENS 16MM F/1.4-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800574	LENS 25MM F/1.6-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800575	LENS 35MM F/2.1-22, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800576	LENS 50MM F/2.8-22, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800577	LENS 75MM F/3.9-32, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800311	LENS,SKYLIGHT UV FILTER 25.5MM THREAD	$75	A
98-92800371	POLARIZING FILTER 25.5MM THREAD	$100	A
98-000218-01	LENS PROTECTION HOUSING, STANDARD LENGTH (UP TO 48MM)	$286	A
98-000226-01	LENS PROTECTION HOUSING, LONG (UP TO 72MM)	$308	A

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QX-1 and Cordsets

Part Number	Description	List Price	Type
98-000103-02	QX-1 Interface Device	$195	A
61-000148-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin, Plug(Ultraock), 3M	$85	A
61-000148-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 3M	$80	A
61-000162-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin, Plug(Ultraock), 1M	$80	A
61-000162-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 1M	$74	A
61-000153-01	QX Cordset, Host, Serial, M12 12 Pin Socket(Ultraock) to DB9 Socket, 1M	$80	A
61-000153-02	QX Cordset, Host, Serial M12 12 pin Socket(Screw-on) to DB9 Socket, 1M	$74	A
61-000164-01	QX Cordset, Host, Serial, M12 12 pin Socket(Ultraock) to DB9 Socket, 3M	$85	A
61-000164-02	QX Cordset, Host, Serial, M12 12 pin Socket(Screw-on) to DB9 Socket, 3M	$80	A
61-000152-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 1M	$80	A
61-000152-02	QX Cordset, Host, Serial, M12 12 pin Plug (Screw-down) to DB9 Socket, 1M	$74	A
61-000165-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 3M	$85	A
61-000165-02	QX Cordset, Host, Serial M12 12 pin Plug(Screw-on) to DB9 Socket, 3M	$85	A
61-000163-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 3M	$85	A
61-000163-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 3M	$85	A
61-000160-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 1M	$80	A
61-000160-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 1M	$74	A
61-000161-01	QX Cordset, M12 12 pin Plug(Ultraock) to MS-5100, 3M	$85	A
61-000161-02	QX Cordset, M12 12 pin Plug(Screw-on) to MS-5100, 3M	$80	A
61-000172-01	QX Cordset, M12 12 pin Plug(Ultraock) to M12 12 pin Socket(Ultraock) to DB25 Plug	$285	A
61-000158-03	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-232, 2M	$248	A
61-000158-04	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-422/485, 2M	$248	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultraock) to Flying Leads, 3M	$85	A
61-000166-02	QX Cordset, M12 12 Pin Plug(Screw-on) to Flying Leads, 3M	$80	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultraock) to Flying Leads, 3M	$85	A
61-000167-02	QX Cordset, M12 12 Pin Socket(Screw-on) to Flying Leads, 3M	$80	A
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A

QX Hawk Accessories Continued

Power Supplies

Part Number	Description	List Price	Type
97-000003-01	QX Power Supply, M12 12 pin Socket, 1.3m	$121	A
97-000003-02	QX Power Supply, M12 12 pin Plug, 1.3m	$121	A

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Package Detector/Sensor			
Part Number	Description	List Price	Type
99-000020-02	QX Photo sensor, M12 4pin Plug, NPN, Dark On, 2m	$193	A
99-000020-01	QX Photo sensor, M12 4pin Plug, NPN, Dark Off, 2m	$193	A

Mounting and Connectors			
Part Number	Description	List Price	Type
98-500006-01	Mounting Plate Kit, Flat, Custom Surfaces *	$22	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultraock) to Flying Leads, 3M	$85	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultraock) to Flying Leads, 3M	$85	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable) (for self wiring)	$33	A
98-000037-01	Extension Kit, All Scanners, 6 inch	$61	A
98-000054-01	Kit, Mounting Stand Base Plate, Small	$33	A
98-000016-01	Mounting Arm/Adapter Kit, MS-820/QX-830/QX-870, 6 inch	$99	A
99-000056-01	Accessory, Bracket, DOAL 50 to QX Hawk	$253	A
99-000058-01	Accessory, Bracket, DOAL 75 to QX Hawk	$253	A
99-000060-01	Accessory, Bracket, DOAL 100 to QX Hawk	$253	A
99-000061-01	Accessory, Bracket, DOAL to C-MOUNT QX Hawk	$204	A
99-000050-01	Accessory, Bracket,R-100 TO QX Hawk	$138	A
99-000052-01	Accessory, Bracket,R-60/70 TO QX Hawk	$138	A
99-000049-01	Accessory, Bracket,R-100 TO C-MOUNT QX Hawk	$138	A
99-000051-01	Accessory, Bracket,R-60/70 TO C-MOUNT QX Hawk	$138	A

* Though-hole mounting plate; not for use with mounting arm.

Software/Manuals			
Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

* 1 free per order.

Note:
QX Hawk Tech References are equal to QX-830
Visit the QX-830 section for configuration references

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UID DPM and LDP Verifiers

Type	UID Compliance Verifier, LDP
Image field	25.4 mm x 19.05 mm (1.0" x 0.75")
Verifiable markings	ISO 16022, ISO 15415, AS9132 Laser, AS9132 Dot Peen, AS9132 Electro-Chemical Etch, MIL-STD-130M Enhanced ISO 15415, AIM DPM-1-2006 Quality Guideline
Greatest possible thickness of the label/nameplate	0.125" (3.175 mm)
Depth of focus	0.125" (3.175 mm)
Smallest element size	0.0075" (0.19 mm)
Current requirement	AC adapter for 100 ... 250 VAC, 0.05 A 50/60 Hz input; 24 V with 500 mA output
Networking options	Ethernet for standard operation, RS232 baudrates from 600 bit/s to 115.3 Kbits/s for maintenance purposes
Operating temperature	0 ... 40 °C (32 ... 104 °F)
Lighting	Embedded Class I LED Red LED: 640 nm Diffuse perpendicular (90°) light
Laser target beam	Class II laser to IEC 60825-1
Humidity	< 95 %, non-condensing
Electrical/mechanical safety	EN 61010-1: 2002
Laser safety	EN 60825-1 1993 Amendment 2 2001-01
Image field	25.4 mm x 19.05 mm (1.0" x 0.75")

Type	UID Compliance Verifier, DPM
Image field	30.2 mm x 21.8 mm (1.19" x 0.86")
Test functions	ISO 16022, ISO 15415, AS9132 Laser, AS9132 Dot Peen, AS9132 Electro-Chemical Etch, MIL-STD-130M Enhanced ISO 15415, AIM DPM-1-2006 Quality Guideline
Greatest possible thickness of the label/nameplate	0.125" (3.175 mm)
Minimum size of elements	0.0075" (0.19 mm)
Performance requirements	AC adapter 100 to 240 VAC, 1.6 A 50/60 Hz input, 24 V with 1.6 A output
Interfaces	Ethernet for standard operation, RS232 baudrates from 600 baud to 115.2 Kbaud for maintenance purposes
Operating temperature	0 ... 40 °C (32 ... 104 °F)
Lighting	AIM DPM-1-2006 Quality Guideline Embedded Class I LED, Red LED: 640 nm Light settings: Diffuse Perpendicular 90 Degrees (90) Dome (D) Medium Angle 45 Degrees (45Q) Low Angle 30 Degrees (30Q, 30T and 30S)
Humidity	Up to 95 %, non-condensing
Electrical/mechanical safety	EN 61010-1: 2002
Laser safety	EN 60825-1 1993 Amendment 2 2001-01

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

UID Verifiers

Part Number	Description	List Price	Type
FIS-UD10-0DP1	UID COMPLIANCE VERIFIER, DPM	$9,995	P
FIS-UD20-0CK1	UID COMPLIANCE VERIFIER, LDP	$8,995	P

Accessories

Part Number	Description	List Price	Type
98-UA10-0CC0	UID CALIBRATION REPLACEMENT CARD	$159	A
98-UD10-1DP0	UID DPM SYSTEM AIM UPGRADE *	$4,500	A
98-UD20-1CK0	UID COMPLIANCE KIT AIM UPGRADE ***	$2,995	A
98-UA10-0ST0	UID DPM STAND, ACCESSORY ITEM	$995	A
FIS-UIDDPMDEMO_01	Demo Kit, UID DPM Verifier (contains verifier)**	$9,995	**
FIS-UIDLDPDEMO_01	Demo Kit, UID LDP Verifier (contains verifier)**	$8,995	**

** Demo Kit contains verifier. Kit is discounted 25%.

Notes:

* UID DPM System AIM Upgrade is a return to factory upgrade. Customer requests an RMA# and returns unit after placing PO for 98-UD10-1DP0.

*** UID Compliance Kit AIM Upgrade is a return to factory upgrade. Customer requests an RMA# and returns unit after placing PO for 98-UD20-1CK0.

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Auto ID Handhelds
HS-1 Handheld Linear CCD Barcode Reader (1D Codes)

Read Ranges *	
Narrow Bar	
5 mil (.127 mm)	1.5" to 3.5" (35 to 89 mm)
10 mil (.254 mm)	1.8" to 7.6" (46 to 193 mm)
20 mil (.508 mm)	3.0" to 13.8" (76 to 351 mm)

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Reader			
Part Number	Description	List Price	Type
98-000106-01	Handled, Linear Barcode Reader, USB	$195	P

NOTE: Demo kits are not available for HS-1, HS-2D and Mobile Hawk. A reader, specifically purchased as a demo unit will be discounted 50%.

Accessories			
Part Number	Description	List Price	Type
98-000108-01	HS-1 Mounting Stand	$54	A
98-000111-01[1]	RS232 Kit	$54	A
98-000112-01[1]	USB Virtual Com Cable	$54	A

[1] Order 98-000106 USB HD Handheld and this part number.

HS-2D Handheld 2D CCD Barcode Reader (2D and 1D Codes)

Read Ranges	
High Resolution	
5 mil (.127 mm)	1.75" to 2.50" (44 to 64 mm)
10 mil (.254 mm)	1.75" to 4.75" (44 to 103 mm)
20 mil (.508 mm)	1.75" to 6.50" (44 to 165 mm)

Reader			
Part Number	Description	List Price	Type
98-000107-01	Handled, 2D Barcode Reader, 6' USB Cable	$475	P

NOTE: Demo kits are not available for HS-1, HS-2D and Mobile Hawk. A reader, specifically purchased as a demo unit will be discounted 50%.

Accessories			
Part Number	Description	List Price	Type
98-000074-04	Kit, RS-232 Interface, 8 ft coiled cable, USA Power Supply	$77	A
98-000074-05	Kit, RS-232 Interface, 8 ft coiled cable, Europe Power Supply	$110	A
98-000074-06	Kit, RS-232 Interface, 8 ft coiled cable, UK Power Supply	$121	A
98-000153-01	Handheld Stand	$164	A

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Auto ID 2D Handhelds
MS-Q Rugged Handled Imagers

Read Ranges	
High Resolution	
5 mil (.127 mm)	1.75" to 2.50" (44 to 64 mm)
10 mil (.254 mm)	1.75" to 4.75" (44 to 103 mm)
20 mil (.508 mm)	1.75" to 6.50" (44 to 165 mm)
Standard Resolution	
7.5 mil (.191 mm)	3.2" to 3.9" (81 to 99 mm)
15 mil (.381 mm)	3.0" to 9.0" (76 to 229 mm)
20 mil (.508 mm)	3.0" to 11.5" (76 to 292 mm)

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

MS-Q Basic Rugged Handled Imager

Part Number	Description	List Price	Type
FIS-6150-0028G	Handled, Imager, Standard Res., USB 6ft., H2 *	$795	P
FIS-6150-0029G	Handled, Imager, Standard Res., Batch/Battery, BH2 *	$945	P
FIS-6150-0031G	Handled, Imager, Standard Res., Bluetooth, BH2 *	$1,095	P

MS-Q Quadrus Rugged Handled Imager

Part Number	Description	List Price	Type
FIS-6100-0047G	Handled, Imager, High Resolution, Quadrus Software, USB 6ft, H2 *	$1,900	P
FIS-6100-0048G	Handled, Imager, High Res., Quadrus Software, Batch/Battery, BH2 *	$2,060	P
FIS-6100-0050G	Handled, Imager, High Res., Quadrus Software, Bluetooth, BH2 *	$2,270	P
FIS-6100-0051G	Handled, Imager, Standard Res., Quadrus Software, USB 6ft., H2 *	$1,900	P
FIS-6100-0052G	Handled, Imager, Standard Res., Quadrus Software, Batch/Battery, BH2 *	$2,060	P
FIS-6100-0054G	Handled, Imager, Standard Res., Quadrus Software, Bluetooth, BH2 *	$2,220	P
FIS-6100-0053G	Handled, Imager, Standard Res., Quadrus SW, Image Lock, H2 *	$2,110	P

* = Includes 6ft USB Cable; PS/2 and RS-232 are optional and the appropriate cable must be purchased separately.

H2 = Battery Blank Handle

BH2 – 3900 mAH Battery Option

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HawkEye 40T and 45T Series Handled Imagers

Type	HawkEye 40T/45T
Focal Point (min/max)	50 mm (1.9") / 375 mm (14.8")
Field of View Near: at 50 mm (1.9") distance	25 mm x 15 mm (0.98" x 0.6")
Field of View Far: at 375 mm (14.8") distance	150 mm x 90 mm (5.9" x 3.5")
Decoding Capability	1D: Code 39, Code 128, Codabar, Code 93, I2of5, UPC/EAN, UPC-E, UPC Supplementals 2D: Data Matrix, PDF417, QR Code
Minimum element size 1D Barcode/2D Matrix Code	0.114 mm bar thickness (0.0045")/0.128 mm element size (0.005")

HawkEye 40T Handled Imagers

Part Number	Description	List Price	Type
FIS-HT40-1G	HAWKEYE40T, HANDHELD, SR, USB CABLE, H2 HANDLE*	$2,185	P
FIS-HT40-6G	HAWKEYE40T, HANDHELD, SR, W/BLUETOOTH & USB CABLE, BH2 HANDLE	$2,611	P
FIS-HT40-8G	HAWKEYE40T, HANDHELD, SR, BH2 HANDLE & USB CABLE	$2,427	P

* = Includes 6ft USB Cable; PS/2 and RS-232 are optional and the appropriate cable must be purchased separately.

H2 = Battery Blank Handle

BH2 – 3900 mAH Battery Option

Type	HawkEye 40T/45T
Focal Point (min/max)	50 mm (1.9") / 375 mm (14.8")
Field of View Near: at 50 mm (1.9") distance	25 mm x 15 mm (0.98" x 0.6")
Field of View Far: at 375 mm (14.8") distance	150 mm x 90 mm (5.9" x 3.5")
Decoding Capability	1D: Code 39, Code 128, Codabar, Code 93, I2of5, UPC/EAN, UPC-E, UPC Supplementals 2D: Data Matrix, PDF417, QR Code
Minimum element size 1D Barcode/2D Matrix Code	0.114 mm bar thickness (0.0045")/0.128 mm element size (0.005")

HawkEye 45T Series Handled Imagers

Part Number	Description	List Price	Type
FIS-HT45-1G	HAWKEYE45T, HANDHELD, SR, USB CABLE, H2 HANDLE*	$2,555	P
FIS-HT45-6G	HAWKEYE45T, HANDHELD, SR, W/BLUETOOTH & USB CABLE, BH2 HANDLE	$2,980	P
FIS-HT45-8G	HAWKEYE45T, HANDHELD, SR, BH2 HANDLE & USB CABLE	$2,795	P

* = Includes 6ft USB Cable; PS/2 and RS-232 are optional and the appropriate cable must be purchased separately.

H2 = Battery Blank Handle

BH2 – 3900 mAH Battery Option

MS-Q RS-232 Kits (Serial Interface)

Part Number	Description	List Price	Type
98-000074-04	Kit, RS-232 Interface, 8 ft coiled cable, USA Power Supply	$77	A
98-000074-05	Kit, RS-232 Interface, 8 ft coiled cable, Europe Power Supply	$110	A
98-000074-06	Kit, RS-232 Interface, 8 ft coiled cable, UK Power Supply	$121	A

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MS-Q Battery Charger Kit

Part Number		List Price	Type
H1 Handle Chargers			
98-000075-04	Kit, 2-Bay Battery Charger for H1 Batteries, USA Power Supply	$165	A
98-000075-05	Kit, 2-Bay Battery Charger for H1 Batteries, Europe Power Supply	$193	A
98-000075-06	Kit, 2-Bay Battery Charger for H1 Batteries, UK Power Supply	$220	A
BH2 Battery Handle Cable Chargers			
98-000075-07	Kit, Cable Battery Charger for BH2, USA Power Supply	$83	A
98-000075-08	Kit, Cable Battery Charger for BH2, Europe Power Supply	$110	A
98-000075-09	Kit, Cable Battery Charger for BH2, UK Power Supply	$138	A
BH2 Battery Handle Charging Bay*			
98-000075-10	Kit, Charging Bay for BH2, USA Power Supply	$110	A
98-000075-11	Kit, Charging Bay for BH2, Europe Power Supply	$138	A
98-000075-12	Kit, Charging Bay for BH2, UK Power Supply	$165	A
98-000075-13	Kit, Charging Bay for BH2, No Power Supply	$83	A

MS-Q Bluetooth Modem Kits

Part Number	Description	List Price	Type
98-000076-11	Kit, Bluetooth Modem, RS-232, USA Power Supply	$495	A
98-000076-12	Kit, Bluetooth Modem, RS-232, Europe Power Supply	$523	A
98-000076-13	Kit, Bluetooth Modem, RS-232, UK Power Supply	$545	A
98-000076-14	Kit, Bluetooth Modem, USB	$440	A

Power Supplies

Part Number	Description	List Price	Type
20-000335-02	Power Supply, Wall Mount, 90-264 VAC, +5VDC, 1.5A, USA plug	$33	A
20-000336-02	Power Supply, Wall Mount, 90-264 VAC, +5VDC, 1.5A, Europe plug	$72	A
20-000337-02	Power Supply, Wall Mount, 200-240 VAC, +5VDC, 2.4A, UK plug	$88	A

Accessories

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210 and MS-890	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210 and MS-890	$52	A
61-000066-02	Cable, MS-Q to MS-Connect 210, 15 ft	$88	A
12-000215-06	Rugged Handle, Battery Blank (H2)	$109	A
12-000215-08	Rugged Handle, 3900mAH Battery (BH2)	$274	A
60-000008-02	Cable, 8' coiled, RS-232 interface	$50	A
60-000009-02	Cable, 6' straight, USB interface	$50	A
60-000031-01	Cable, 12' straight, USB interface	$77	A
60-000018-02	Cable, 6' coiled, PS/2 interface	$66	A
98-000077-13*	Demo Kit, MS-Q (includes Bluetooth modem)	$695	*

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.
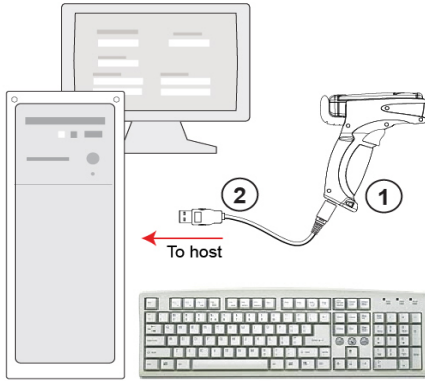
Software / Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE, User Documentation, Software*	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A

* 1 free per order.

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Tech Reference *MS-Q*

USB

The reader communicates to the host using USB.

System Matrix (MS-Q Quadrus)

Product	Reference No.	Description	List Price
(1) MS-Q Quadrus	FIS-6100-XXXXG	Handled, Imager, High Resolution, Quadrus Software, USB, (PS/2, RS-232) *	Varies
(2) USB Cable		Included in MS-Q kit	
Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

*Note: Kit includes MS-Q Imager and USB Cable.

**1 free per order.

System Matrix (MS-Q Basic)

Product	Reference No.	Description	List Price
(1) MS-Q Basic	FIS-6150-XXXXG	Handled, Imager, Standard Resolution, USB, (PS/2, RS-232) *	Varies
(2) USB Cable		Included in MS-Q kit	
Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

*Note: Kit includes MS-Q Imager and USB Cable, PS/2 and RS-232 are optional and the appropriate cable must be purchased separately.
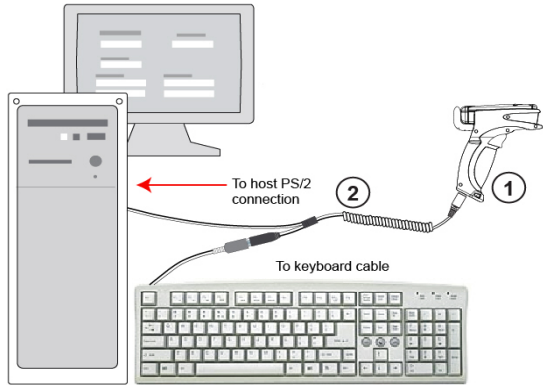
**1 free per order.

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PS/2

The reader communicates to the host using PS/2.

System Matrix (MS-Q Quadrus)

Product	Reference No.	Description	List Price
(1) MS-Q Quadrus	FIS-6100-XXXXG	Handled, Imager, High Resolution, Quadrus Software, PS/2	Varies
(2) Keyboard Wedge cable	60-000018-02	Cable, 6' coiled, PS/2 interface	$66
Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

*1 free per order.

System Matrix (MS-Q Basic)

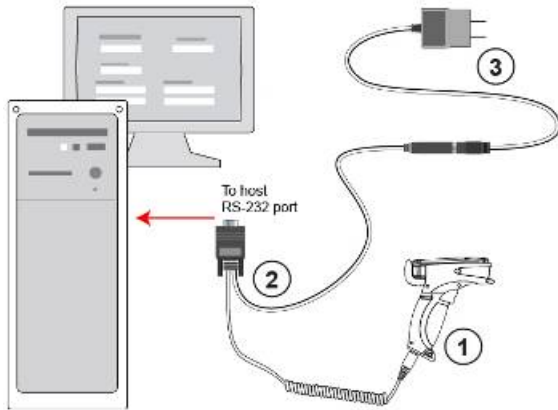| Product	Reference No.	Description	List Price
(1) MS-Q Basic	FIS-6150-XXXXG	Handled, Imager, Standard Resolution, PS/2	Varies
(2) Keyboard Wedge cable	60-000018-02	Cable, 6' coiled, PS/2 interface	$66
Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

*1 free per order.

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Tech Reference *MS-Q*

RS-232

The reader communicates to the host using RS-232.

System Matrix (MS-Q Quadrus)

Product	Reference No.	Description	List Price
(1) MS-Q Quadrus	FIS-6100-XXXXG	Handled, Imager, High Resolution, Quadrus Software, USB, (PS/2, RS-232) ***	Varies
(2) RS-232 Kit	98-000074-xx	Kit, RS-232 Interface, 8 ft coiled cable, Power Supply *	Varies
(3) Power Supply	See Note	Power Supply, Wall Mount, 90-264 VAC, +5VDC, 1.5A *	Varies
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

  * RS-232 Kit includes power supply. There are three power supply options which have slight price differences.

  **1 free per order.

  *** To use the PS/2 option the appropriate cable must be purchased separately.

System Matrix (MS-Q Basic)

Product	Reference No.	Description	List Price
(1) MS-Q Basic	FIS-6150-XXXXG	Handled, Imager, Standard Resolution, USB, (PS/2, RS-232) ***	Varies
(2) RS-232 Kit	98-000074-xx	Kit, RS-232 Interface, 8 ft coiled cable, Power Supply *	Varies
(3) Power Supply	See Note	Power Supply, Wall Mount, 90-264 VAC, +5VDC, 1.5A, *	Varies
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

  * RS-232 Kit includes power supply. There are three power supply options which have slight price differences.

  **1 free per order.

  *** To use the PS/2 option the appropriate cable must be purchased separately.

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Tech Reference *MS-Q*

Bluetooth

The reader communicates directly to the host using Bluetooth or using a RS-232/Bluetooth modem (shown).
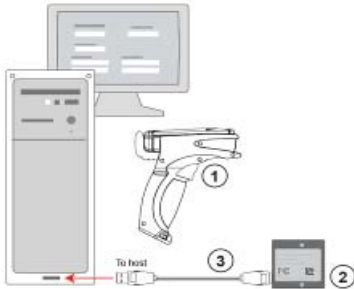
System Matrix (MS-Q Quadrus)

Product	Reference No.	Description	List Price
(1) MS-Q Quadrus	FIS-6100-XXXXG	Handled, Imager, High Resolution, Quadrus Software, Bluetooth	Varies
(2) Bluetooth Modem Kit	98-000076-xx	Kit, Bluetooth Modem (Serial Gateway), USA Power Supply *	Varies
(3) RS-232 Cable	See Note	Cable, 8' coiled, RS-232 interface *	Varies
(4) Power Supply (not shown)	See Note	Power Supply, Wall Mount, 90-264 VAC, +5VDC, 1.5A, USA plug *	Varies
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

*Bluetooth Modem Kit includes RS-232 cable and power supply. There are three power supply options which have slight price differences.

**1 free per order.

System Matrix (MS-Q Basic)

Product	Reference No.	Description	List Price
(1) MS-Q Basic	FIS-6150-XXXXG	Handled, Imager, Standard Resolution, Bluetooth	Varies
(2) Bluetooth Modem Kit	98-000076-xx	Kit, Bluetooth Modem (Serial Gateway), USA Power Supply *	Varies
(3) RS-232 Cable	See Note	Cable, 8' coiled, RS-232 interface *	Varies
(4) Power Supply (not shown)	See Note	Power Supply, Wall Mount, 90-264 VAC, +5VDC, 1.5A, USA plug *	Varies
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software**	$30

*Bluetooth Modem Kit includes RS-232 cable and power supply. There are three power supply options which have slight price differences.
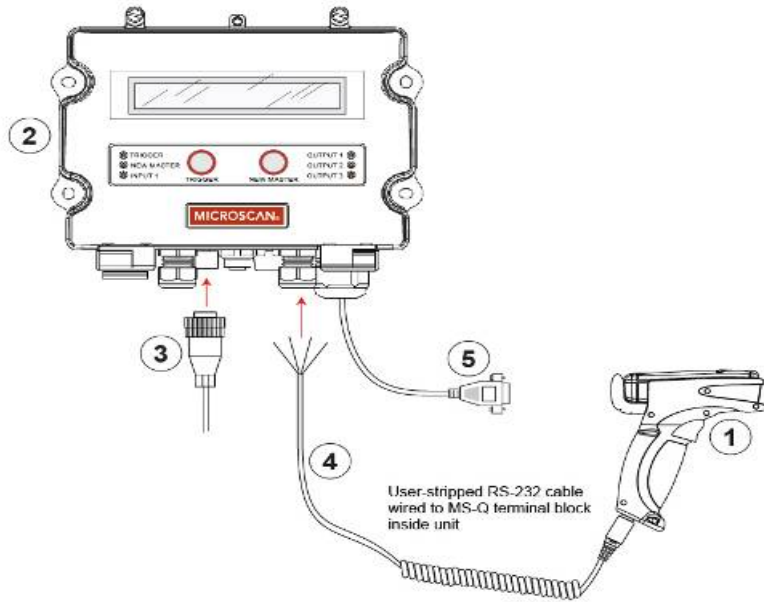
**1 free per order.

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Stand Alone

This is the basic setup for a single MS-Q wired to the MS-Connect 210.

with MS-Connect 210

User-stripped RS-232 cable wired to MS-Q terminal block inside unit

System Matrix

Product	Reference No.	Description	List Price
(1) MS-Q Quadrus	FIS-6100-XXXXG	Handled, Imager, Quadrus Software	Varies
(2) MS-Connect 210	FIS-0210-000XG	Connectivity Box *	Varies
(3) Power Supply	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
(4) Reader Cable	61-000066-02	MS-Q to MS-Connect 210 coiled cable, 15 ft [1]	$88
(5) Host Cable	61-000105-01	Pre-stripped RS-232, 9-pin host cable **	$33
User Documentation, Software	37-000010-01	TOOLS DRIVE, User Documentation, Software***	$30

* See MS-Connect Series section for a complete listing of Accessories

** 1 free host cable is included with each MS-Connect 210

*** 1 free per order.

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Auto ID DPM Handhelds

Mobile Hawk High Performance DPM Handheld Reader

Read Ranges	
High Resolution	
5 mil (.127 mm)	.25" to .75" (44 to 64 mm)
10 mil (.254 mm)	.50" to 1.50" (44 to 103 mm)
20 mil (.508 mm)	.50" to 3.50" (44 to 165 mm)

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

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Refer to your Partner Agreement for the actual discount percentage by Product Type.

Reader

Part Number	Description	List Price	Type
FIS-6170-0001G	Mobile Hawk DPM Reader, 12 ft USB cable	$2,090	P

RS-232 Kits (Serial Interface)

Part Number	Description	List Price	Type
98-000074-04	Kit, RS-232 Interface, 8 ft coiled cable, USA Power Supply	$77	A
98-000074-05	Kit, RS-232 Interface, 8 ft coiled cable, Europe Power Supply	$110	A
98-000074-06	Kit, RS-232 Interface, 8 ft coiled cable, UK Power Supply	$121	A
60-000008-02	Cable, 8' coiled, RS-232 interface	$50	A
60-000009-02	Cable, 6' straight, USB interface	$50	A
60-000031-01	Cable, 12' straight, USB interface	$77	A
98-000153-01	Mobile Hawk Presentation Stand	$164	A

NOTE: Demo kits are not available for HS-1, HS-2D and Mobile Hawk. A reader, specifically purchased as a demo unit will be discounted 50%.

NOTE: PS2 cable is not supported by the Mobile Hawk product.

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Auto ID Software, Connectivity, and Accessories
MS-Connect Series

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

MS-Connect 210 Options

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A

Accessories

Part Number	Description	List Price	Type
61-000066-02	Cable coiled, MS-Connect 210 to MS-Q, (must be stripped by user before wiring)	$88	A
61-000105-01	Pre-stripped to 9pin host cable, 6 ft	$33	A
61-000121-02	Cable, MS-820 to MS-Connect 210, 3 ft	$110	A
61-000122-01	Cable, To MS-Connect 210, Host RS-422/485 for Multidrop, 6 ft	$110	A
61-000123-01	Cable, To MS-Connect 210, Host/AUX RS-232, for Daisy Chain 210 to 210, 6 ft	$110	A
61-000124-01	Cable, Quadrus EZ with onboard Ethernet to MS-Connect 210, Ethernet, 6 ft	$110	A
61-000127-02	Cable, MS-9 to MS-Connect 210, 6 ft	$110	A
61-000128-01	Cable, external Micro-Change to internal Ethernet module, MS-Connect 210, 8 in.	$55	A
FIS-0001-0035G	IC-332, Connects 5V Reader to IB-131	$165	A
61-000136-01	Ethernet Cross over Cable, CAT5, 10'	$33	A
98-000013-04	Pluggable Relay Module, 120VAC, Series 70, Type SM	$52	A
98-000013-05	Pluggable Relay Module, 240VAC, Series 70, Type SM	$52	A
98-000013-06	Pluggable Relay Module, 24VDC, Series 70, Type SM	$52	A
61-000139-01	Cable, To MS-Connect 210, Host RS-422/485 for Multidrop, 6 ft	$110	A
61-000066-01	Cable, MS-Connect 210 to MS-Q (must be stripped by user before wiring)	$88	A
61-000158-03	QX Cordset, M12 12pin Plug & M12 12pin Socket to MS-Connect 210 (RS-232), 2m	$248	A
61-000158-04	QX Cordset, M12 12pin Plug & M12 12pin Socket to MS-Connect 210 (RS-422), 2m	$248	A
98-000095-02**	Demo Kit, MS-Connect 210	$895	**

** This demo kit contains MS-Connect 210 and is discounted 25%.

Power Supply

Part Number	Description	List Price	Type
97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA/Euro Plug	$138	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-000093-01	DIN Rail Mounting Kit	$50	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193	A

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE: User Documentation, Software	$30	A
37-000003-01	EZ Trax Software	$500	A

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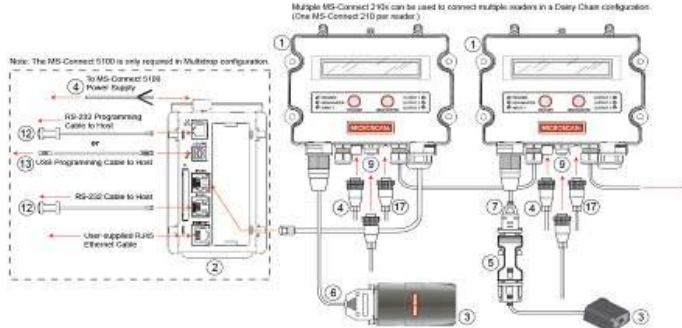Confidential Document

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Stand Alone

These are the setup options for one MS-Connect 210 and
one 10-28V or 5V reader.

Product	Reference No.	Description	List Price
(1) MS-Connect 210	FIS-0210-0001G	Connectivity Box with Display	$849
	FIS-0210-0002G	Connectivity Box	$549
	FIS-0210-0003G	Connectivity Box with Display and Ethernet	$949
	FIS-0210-0004G	Connectivity Box with Ethernet	$849
(2) Microscan Reader	FIS-XXXX-XXXXG	Varies	Varies
(3) Power Supply	97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA/Euro Plug	$138
(4) IC-332 (5V Readers)	FIS-0001-0035G	Power Adapter, Connects 5V Reader to Interface	$165
(5) Reader Cable (10-28V Readers)	61-000122-01	Cable, To MS-Connect 210, Host RS-422/485 for Multidrop, 6 ft	$110
(6) Reader Cable (5V Readers and MS-9)	61-000127-02	Cable, 5V Reader or MS-9 to MS-Connect 210, 6 ft	$110
(7) Reader Cable (5V Readers and MS-9)	61-000139-01	Cable, To MS-Connect 210, Host RS-422/485 for Multidrop, 6 ft	$110
(8) Reader Cable (MS-820 only; not shown)	61-000121-02	Cable, MS-820 to MS-Connect 210, 3 ft	$110
(9) Internal Ethernet Cable (If applicable)	61-000128-01	Cable, Micro-Change to Ethernet module, MS-Connect 210, 8 in.	$55
(10) MS-Q Reader Cable (If applicable)	61-000066-01	Cable, MS-Connect 210 to MS-Q (must be stripped by user before wiring)	$88
(11) MS-Connect 210 Host Cable	61-000105-01	Pre-stripped to 9pin host cable, 6 ft	$33
(12) Pluggable Relay Module (If applicable; not shown)	98-000013-04	120VAC, Series 70, Type SM	$52
(13) Pluggable Relay Module (If applicable; not shown)	98-000013-05	240VAC, Series 70, Type SM	$52
(14) Pluggable Relay Module (If applicable; not shown)	98-000013-06	24VDC, Series 70, Type SM	$52
(15) Object Detector (If applicable)	99-000017-02	Photo sensor, Visible, NPN, Light On	$193
DIN Rail Mounting Kit	98-000093-01	Mounting kit for affixing the MS-Connect 210 to a DIN rail	$50

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Multidrop / Daisy Chain

Product	Reference No.	Description	List Price
(1) MS-Connect 210	FIS-0210-0001G	Connectivity Box with Display	$849
	FIS-0210-0002G	Connectivity Box	$549
	FIS-0210-0003G	Connectivity Box with Display and Ethernet	$949
	FIS-0210-0004G	Connectivity Box with Ethernet	$849
(2) MS-Connect 5100	FIS-5100-0001G	Enhanced Multidrop Concentrator (required for Multidrop only)	$1,095
(3) Microscan Reader	FIS-XXXX-XXXXG	Varies	Varies
(4) Power Supply	97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA/Euro Plug	$138
(5) IC-332	FIS-0001-0035G	Power Adapter, Connects 5V Reader to Interface	$165
(6) Reader Cable (10-28V)	61-000122-01	Cable, To MS-Connect 210, Host RS-422/485 for Multidrop, 6 ft Cable,	$110
(7) Reader Cable (5V Readers and MS-9)	61-000127-02	Cable, 5V Reader or MS-9 to MS-Connect 210, 6 ft	$110
(8) Reader Cable (MS-820 only; not shown)	61-000121-02	Cable, MS-820 to MS-Connect 210, 3 ft	$110
(9) Internal Ethernet Cable (If applicable)	61-000128-01	Cable, Micro-Change to Ethernet module, MS-Connect 210, 8 in.	$55
(10) MS-Q Reader Cable (If applicable; not shown)	61-000066-02	Cable, MS-Connect 210 to MS-Q (must be stripped by user before wiring)	$88
(11) MS-Connect 210 Host Cable (not shown)	61-000105-01	Pre-stripped to 9pin host cable, 6 ft	$33
(12) MS-Connect 5100 Host Cable (required for Multidrop only)	61-000108-01	Cable, RJ-12 to 9-pin D Sub, 6 Feet	$50
(13) MS-Connect 5100 Programming Cable required for Multidrop only)	61-000112-01	Cable, USB Type A Male to Mini B Male, 10 ft	$33
(14) Pluggable Relay Module (If applicable; not shown)	98-000013-04	120VAC, Series 70, Type SM	$52
(15) Pluggable Relay Module (If applicable; not shown)	98-000013-05	240VAC, Series 70, Type SM	$52
(16) Pluggable Relay Module (If applicable; not shown)	98-000013-06	24VDC, Series 70, Type SM	$52
(17) Object Detector (If applicable)	99-000017-02	Photo sensor, Visible, NPN, Light On	$193
DIN Rail Mounting Kit	98-000093-01	Mounting kit for affixing the MS-Connect 210 to a DIN rail	$50

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MS-Connect 5100 Options

Part Number	Description	List Price	Type
FIS-5100-0001G	MS-Connect 5100, Enhanced Multidrop Concentrator	$1,095	A

Accessories

Part Number	Description	List Price	Type
FIS-0001-0035G	IC-332, Connects MINI to IB-131	$165	A
61-000108-01	Cable, RJ-12 to 9-pin D Sub, 6 Feet	$50	A
61-000112-01	Cable, USB Type A Male to Mini B Male, 10 ft	$33	A
61-000113-01	Cable, Concentrator to IB-131/IB-150 RJ45 to 25-pin D Sub, 10 ft	$66	A
61-100030-03	Cable, Multidrop, 10 feet IB-131/IB-150 to IB-131/IB-150 [1]	$33	A
99-000018-01	IB-131 Interface Box for MS-3, MS4, MS-9, MS-820 and Quadrus MINI	$165	A
98-000040-02	IB-150 and Reader cable, 6 ft for MS-860, MS-890 and Quadrus EZ	$193	A
61-000161-01	QX Cordset, M12 12pin Plug to MS-Connect 5100, 3m	$85	A

[1] Gender changer may be needed for IB-131 to IB-150; one gender changer included with 61-000113-01.

Power Supply

Part Number	Description	List Price	Type
97-100004-15	Power Supply, 90-264 VAC, 24VDC, USA/Euro Plug	$138	A

Mounting

Part Number	Description	List Price	Type
10-000251-01	Mounting Bracket	$50	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193	A
99-000017-02	Photo Sensor, Visible, NPN, LIGHT ON	$193	A

Software/Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE: User Documentation, Software	$30	A
37-000003-01	EZ Trax Software	$500	A

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Multidrop

Product	Reference No.	Description	List Price
(1) MS-Connect 5100*	FIS-5100-0001G	Enhanced Multidrop Concentrator	1095
(2) Microscan Reader	FIS-XXXX-XXXXG	Varies	Varies
(3) Power Supply	97-100004-15	1-Power supply per MS-Connect 5100 unit and Readers	$138
(4) USB Programming Cable,	61-000112-01	Cable, USB Type A Male to Mini B Male, 10 ft	$33
(5) Prog/Comm. Cable, RS-232	61-000108-01	Cable, RJ-12 to 9-pin D Sub, 6 Feet	$50
(6) Concentrator Cable	61-000113-01	Cable, Concentrator to IB-131/IB-150 RJ45 to 25-pin D Sub, 10 ft	$66
(7) IC-332	FIS-0001-0035G	Adapter for 5-Volt readers, MS-3, MS-4 and Quadrus MINI	$165
(8) IB-131 Interface Box	99-000018-01	IB-131 Interface Box for MS-3, MS4, MS-9, MS-820 and Quadrus MINI	$165
(9) Kit, IB-150 Interface Box	98-000040-02	IB-150 and Reader cable, 6 ft for MS-860, MS-880 and Quadrus EZ	$193
(10) Multidrop Trunk Cable	61-100030-03	Cable, multidrop, 10 feet IB-131/IB-150 to IB-131/IB-150 [1]	$33
(11) Object Detector (If applicable)	99-000017-01	Photo sensor, Visible, NPN, Dark On	$193
Mounting Bracket (not shown)	10-000251-01	Mounting bracket for affixing the unit to flat surfaces	$50

[1] Gender changer may be needed for IB-131 to IB-150; one gender changer included with 61-000113-01.

See QX-830 section for Multidrop configurations   *Discounted like FIS

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Auto ID Product Accessories

Protocol			
Part Number	**Description**	**List Price**	**Type**
20-500013-01	DeviceNet Protocol Box [1]	$655	A
98-000056-02	Kit, Protocol Card, Ethernet TCP/IP, MS-890	$655	A

[1] Part is not RoHS compliant.

Monitor (110 VAC only)			
Part Number	**Description**	**List Price**	**Type**
98-000096-01	Kit, Monitor 7" TFT LCD and Video I/O Cable, 10 feet	$710	A

Right Angle Mirror Kits			
Part Number	**Description**	**List Price**	**Type**
98-200026-02	Right Angle Down Mirror Kit, MS-820	$83	A
98-200036-01	Right Angle Down Mirror Kit, MS-9	$83	A
98-000036-01	Right Angle Up Mirror Kit, Quadrus EZ	$83	A
98-000088-01	Right Angle Up Mirror Kit, Small Imagers	$55	A
98-000058-02	Kit, Extended Right Angle Mirror, MS-3	$55	A

Package Detector/Sensor			
Part Number	**Description**	**List Price**	**Type**
99-000017-01	Photo Sensor, Visible, NPN, Dark On	$193	A
99-000017-02	Photo Sensor, Visible, NPN, Light On	$193	A
99-000019-01	Photo Sensor, Visible, NPN, Light On, 5VDC	$193	A
99-000004-01	MS-890, Standard Diffuse, 120 inch Range, 4-pin Plug	$248	A
99-000004-02	MS-890, Standard Diffuse, 120 inch Range, Unterminated	$248	A
99-000020-02	QX Photo sensor, M12 4pin Plug, NPN, Dark On, 2m	$193	A
99-000020-01	QX Photo sensor, M12 4pin Plug, NPN, Dark Off, 2m	$193	A

Cable / Connectivity			
Part Number	**Description**	**List Price**	**Type**
61-000010-02	Cable, Communication, DB-9 Socket to DB-9 Socket, 6 ft	$33	A
61-000011-02	Cable, MS-820 to IB-131 (also use for MS-3, 4, 9, 710 and MINI Extension)	$33	A
61-000033-02	Cable, Video I/O, 10 ft	$33	A
61-000034-02	Cable, Communication, 9-pin D-sub Socket to 25-pin D-sub Socket	$33	A
61-100029-03	Cable, IB to IB, 1 ft	$33	A
61-300026-03	Cable, Communication, DB-25 Plug to DB-9 Socket, 6 ft	$33	A
61-000095-01	ASSY, CABLE ADAPTER, IB-150 TO IB-131	$33	A
61-000032-02	Cable, Quadrus EZ to IB-150	$33	A
99-000008-02	Interface module, IB-150	$165	A
61-000151-01	Cable, MINI USB, I/O Breakout, Flying Leads, 3ft	$33	A
61-000154-01	Daisy Chain/Comm Adapter	$83	A

Connector Kits			
Part Number	**Description**	**List Price**	**Type**
20-610024-01	Trigger Connector for IB-131, MS-820/860/880/9, 4-pin Plug	$33	A
20-610020-01	Power Connector for IB-131, MS-820/860/880/9, 3-pin Socket	$33	A

Power Supplies			
Part Number	**Description**	**List Price**	**Type**
97-000002-01	Power Supply, 90-264 VAC, +5 VDC, USA/Euro Plug	$83	A
97-100004-15	Power Supply, 90-264 VAC, +24 VDC, RoHS Compliant, US and Euro Plug	$138	A
97-000003-01	QX Power Supply, M12 12 pin Socket, 1.3m	$121	A
97-000003-02	QX Power Supply, M12 12 pin Plug, 1.3m	$121	A

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Connectivity Box

Part Number	Description	List Price	Type
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
61-000122-01	Cable, 19 pin to 25 pin, Host RS-422/485, 6 ft (10-28v Readers)	$110	A
61-000123-01	Cable, 19 pin to 25 pin, Host RS-232, AUX RS-232, 6 ft (10-28V Readers)	$110	A
61-000124-01	Cable, 19 pin to 25 pin, Ethernet, 6 ft (Quadrus EZ Only)	$110	A
61-000127-02	Cable, 19 pin to 15 pin, 6 ft (5V Readers and MS-9)	$110	A
61-000121-02	Cable, 19 pin to 15 pin, 3 ft (MS-820 only)	$110	A
61-000066-02	Cable, MS-Connect 210 to MS-Q (must be stripped by user before wiring)	$88	A
61-000105-01	Pre-stripped to 9pin host cable, 6 ft	$33	A
98-000013-04	Pluggable Relay Module, 120VAC, Series 70, Type SM	$52	A
98-000013-05	Pluggable Relay Module, 240VAC, Series 70, Type SM	$52	A
98-000013-06	Pluggable Relay Module, 24VDC, Series 70, Type SM	$52	A
98-000093-01	DIN Rail Mounting Kit	$50	A
61-000158-03	QX Cordset, M12 12pin Plug & M12 12pin Socket to MS-Connect 210 (RS-232), 2m	$248	A
61-000158-04	QX Cordset, M12 12pin Plug & M12 12pin Socket to MS-Connect 210 (RS-422), 2m	$248	A

Interface Boxes

Part Number	Description	List Price	Type
98-000014-02	IB-131 Kit (includes cable to MS-820)	$193	A
99-000018-01	IB-131 Interface Box (used with MS-3/IC-332 and MS-9)	$165	A
98-000040-02	IB-150 Kit, Quadrus EZ	$193	A
99-000009-02	Interconnectivity, IB-151, RS-232 - Ethernet TCP/IP	$110	A
98-000039-02	IB-152 Kit, DB25 Plug Terminal Block, DB25 Gender Changer	$138	A
FIS-0001-0035G	IC-332, Connects 5V Reader to IB-131	$165	A
98-000051-01	IC-3USB, USB Conversion Kit	$83	A
FIS-0001-0030G	IB-3PC, Interface to PC	$110	A
99-420003-04	Wiring Box Base, IB-890/FIS-0880-0002 *	$330	A
98-000103-02	QX-1 Interface Box	$195	A
61-000204-01	Assy, Cable, Power Smart Series to QX-1	$204	A

*Part is not RoHS compliant.

Mounting Components

Part Number	Description	List Price	Type
	Mounting Arm Kits		
98-000016-01	Mounting Arm/Adapter Kit, 820/860, 6 inch	$99	A
98-000017-01	Mounting Arm/Adapter Kit, IB-890, 6 inch	$99	A
98-000018-01	Mounting Arm/Adapter Kit, MS-890, 6 inch	$99	A
98-000019-01	Mounting Arm/Adapter Kit, MS-9, 6 inch	$99	A
98-000020-01	Mounting Arm/Adapter Kit, Quadrus EZ//Quadrus Verifier, 6 inch	$99	A
98-000048-01	Mounting Arm/Adapter Kit, MS-3, MS-4 and Quadrus MINI, 4 inch	$77	A
	Extension Arm Kits		
98-000037-01	Extension Kit, MS-890, MS-860, MS-820, MS-9, IB-890, 6 inch	$61	A
98-000053-01	Extension Kit, MS-3, MS-4 and Quadrus MINI, 4 inch	$39	A
98-000053-02	3-inch (75.6 mm) extension; MS-3, MS-4 and Quadrus MINI, 3"	$39	A
	Base Plates		
98-000046-01	Kit, Base Plate	$44	A
98-000054-01	Kit, Mounting Stand Base Plate, Small	$33	A
	Standard Mounting Plates		
98-000092-01	MS-9 Standard Flat Mounting Plate Kit	$22	A
98-500006-01	MS-820, MS-860 Standard Flat Mounting Plate Kit *	$22	A
98-200037-01	MS-890 Standard Flat Mounting Plate Kit	$44	A
98-000060-01	Kit, Bracket, Side Mount, MS-3	$22	A
98-000059-01	Kit, Bracket, Angle Mount, MS-3	$22	A
98-000057-01	Kit, Bracket, Through Hole Mount, MS-3	$22	A

* Through-hole mounting plate; not for use with mounting arm.

Software / Manuals

Part Number	Description	List Price	Type
37-000010-01	TOOLS DRIVE: User Documentation, Software	$30	A
37-000001-02	TOOLS CD, User's Manuals, ESP Software*	$30	A
37-000003-01	EZ Trax Software	$500	A

Protocol Box/Card

Part Number	Description	List Price	Type
20-500013-01	DeviceNet Protocol Box	$655	A

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Vision MINI Smart Camera

Integrated Lighting
Standard and High Density Models
SXGA CMOS 1.3 MP mono
QXGA CMOS 3.0 MP color
USB or Serial**
IP-54
+5VDC
AutoVISION Software*
Upgradable to Visionscape

*Color models are only supported by Visionscape

** Serial requires optional adapter

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Vision MINI Smart Camera - 1.3 MP

Part Number	Description	List Price	Type
GMV-6300-2110G	Vision MINI Smart Camera, USB, STD, SXGA (1.3MP), Built in Light, AutoVISION	$1,990	P
GMV-6300-2112G	Vision MINI Smart Camera, USB, STD, SXGA (1.3MP), Built in Light, AutoVISION + Visionscape	$2,490	P
GMV-6300-2210G	Vision MINI Smart Camera, USB, HD, SXGA (1.3MP), Built in Light, AutoVISION	$1,990	P
GMV-6300-2212G	Vision MINI Smart Camera USB, HD, SXGA (1.3MP), Built in Light, AutoVISION + Visionscape	$2,490	P

Vision MINI Smart Camera - 3 MP Color

Part Number	Description	List Price	Type
GMV-6300-2172G	Vision MINI Smart Camera, USB, STD, Color QXGA, Built in Light, with Visionscape	$2,990	P
GMV-6300-2272G	Vision MINI Smart Camera, USB, HD, Color, QXGA, Built in Light, with Visionscape	$2,990	P

The GMV-6300-2272G and GMV-6300-2172G are smart cameras with 3.0 MPixel color sensors. They are not detected and listed as cameras that can be

connected and programmed by AutoVISION. They are detected and listed by Visionscape which is required for programming and monitoring.

Software

Part Number	Description	List Price	Type
98-000217-01	AutoVISION to Visionscape Upgrade	$500	A
99-000047-01	Annual Software Maintenance Plan, Visionscape*	$400	A
99-000048-01	Annual Software Maintenance Plan, AutoVISION*	$350	A

* Applies to 12-month period following expiration of basic 1 year factory warranty. Contact Microscan for additional information.

Accessories

Part Number	Description	List Price	Type
98-000215-01*	Demo Kit, AutoVISION - supports Vision MINI and Vision HAWK	$595	*
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210/MS-890	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210/MS-890	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210/MS-890	$52	A
61-000127-02	Cable, Quadrus MINI to MS-Connect 210, 6 ft	$110	A
FIS-0001-0035G	IC-332, Connects MINI to IB-131	$165	A
99-000018-01	IB-131, Interface Box	$165	A
98-000039-02	Kit, IB-152, DB25 Plug Terminal Block, DB25 Gender Changer *	$138	A
61-300026-03	Cable, Communication, DB-25 Plug to DB-9 Socket, 6 ft	$33	A
61-100029-03	Cable, IB-131 Daisy Chain, 1 ft	$33	A
20-500013-01	DeviceNet Protocol Box [A] [1]	$655	A
61-000011-02	Cable, MS-820 to IB-131 (also use for MS-3, 4, 9, 710 and MINI Extension)	$33	A
61-000151-01	Cable, MINI USB, I/O Breakout, Flying Leads, 3ft	$33	A
98-000098-01	Kit, Quadrus MINI Diffuser	$55	A

[A] Works with IB-131. [1] Part is not RoHS compliant.

 * This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

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Vision MINI Accessories Continued

Power Supply

Part Number	Description	List Price	Type
97-100004-15	Power Supply, 90-264	$138	A

Mounting and Connectors

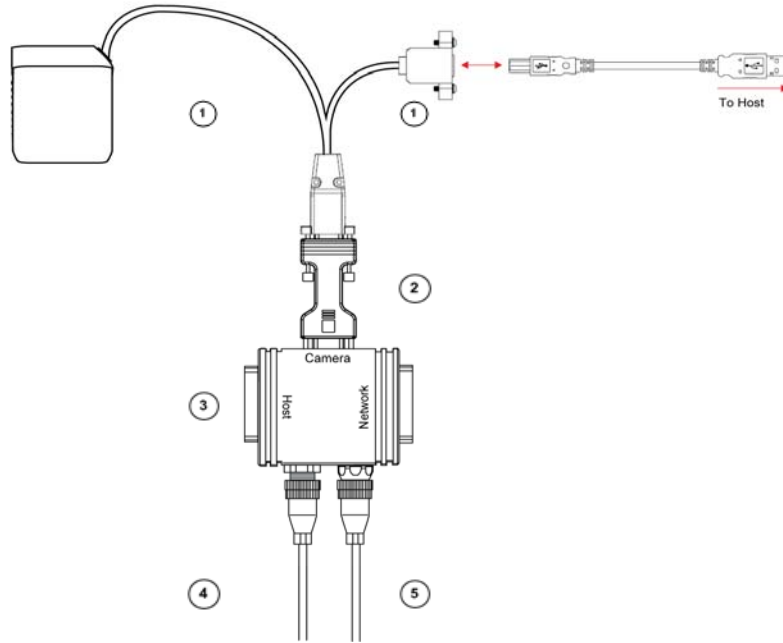| Part Number	Description	List Price	Type
98-000048-01	Mounting Arm/Adapter Kit, 4 inch, Vision MINI	$77	A
98-000054-01	Kit, Mounting Stand Base Plate, Vision MINI	$33	A
98-000053-01	Extension Kit, 4 inch, Vision MINI	$39	A
98-000053-02	Extension Kit, 3 inch, Vision MINI	$39	A
98-000060-01	Kit, Bracket, Side Mount, Vision MINI	$22	A
98-000059-01	Kit, Bracket, Angle Mount, Vision MINI	$22	A
98-000057-01	Kit, Bracket, Through Hole Mount, Vision MINI	$22	A
98-000088-01	Kit, Right Angle Mirror	$55	A
20-610024-01	Trigger Connector for IB-131, 4-pin Plug	$33	A
20-610020-01	Power Connector for IB-131, 3-pin Socket	$33	A
99-000055-01	Accessory, Bracket, DOAL 50 to MINI	$253	A
99-000057-01	Accessory, Bracket, DOAL 75 to MINI	$253	A
99-000059-01	Accessory, Bracket, DOAL 100 to MINI	$253	A
99-000053-01	Accessory, Bracket,R-60/70 to MINI	$138	A
99-000054-01	Accessory, Bracket,R-100 to MINI	$138	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000017-01	Photo Sensor, Visible, NPN, Dark On	$193	A
99-000017-02	Photo Sensor, Visible, NPN, Light On	$193	A
99-000019-01	Photo Sensor, Visible, NPN, Light On, 5VDC	$193	A

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Stand Alone USB

A single reader is connected directly to the host via USB.

System Matrix

Item	Part Number	Description	List Price
1	GMV-6300-2XXXG	Vision MINI Smart Camera and Included Cables	Varies
2	FIS-0001-0035G	IC-332	$165
3	99-000018-01	Interface Module	$165
4	97-100004-15	Power Supply, 90-264 VAC, 24VDC USA /Euro Plug	$138
5	99-000017-01	Photo Sensor, Visible, NPN, DARK ON	$193
	37-000010-01	TOOLS DRIVE: User Documentation, Software	$30

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Vision HAWK Industrial Smart Camera

Integrated Lighting
WVGA CMOS mono
SXGA CCD mono
Ethernet and Serial Connectivity
IP-67
5 - 28 VDC
AutoVISION Software
Supports AutoVISION and Visionscape Software

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

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Refer to your Partner Agreement for the actual discount percentage by Product Type.

Vision HAWK Smart Camera

Part Number	Description	List Price	Type
GMV-6800-1110G	Vision HAWK Smart Camera WVGA Built in Light, AutoVISION, 15 Degree Lens	$3,390	P
GMV-6800-1210G	Vision HAWK Smart Camera WVGA Built in Light, AutoVISION, 30 Degree Lens	$3,390	P
GMV-6800-1310G	Vision HAWK Smart Camera WVGA Built in Light, AutoVISION, 45 Degree Lens	$3,390	P
GMV-6800-1112G	Vision HAWK Smart Camera WVGA Built in Light, AutoVISION + Visionscape, 15 Degree Lens	$3,890	P
GMV-6800-1212G	Vision HAWK Smart Camera WVGA Built in Light, AutoVISION + Visionscape, 30 Degree Lens	$3,890	P
GMV-6800-1312G	Vision HAWK Smart Camera WVGA Built in Light, AutoVISION + Visionscape, 45 Degree Lens	$3,890	P
GMV-6800-1100G	Vision HAWK Smart Camera SXGA Built in Light, AutoVISION, 15 Degree Lens	$3,590	P
GMV-6800-1200G	Vision HAWK Smart Camera SXGA Built in Light, AutoVISION, 30 Degree Lens	$3,590	P
GMV-6800-1300G	Vision HAWK Smart Camera SXGA Built in Light, AutoVISION, 45 Degree Lens	$3,590	P
GMV-6800-1102G	Vision HAWK Smart Camera SXGA Built in Light, AutoVISION + Visionscape, 15 Degree Lens	$4,090	P
GMV-6800-1202G	Vision HAWK Smart Camera SXGA Built in Light, AutoVISION + Visionscape, 30 Degree Lens	$4,090	P
GMV-6800-1302G	Vision HAWK Smart Camera SXGA Built in Light, Auto Vision + Visionscape, 45 Degree Lens	$4,090	P
GMV-6800-1010G	Vision HAWK, WVGA, 0.4MP, AutoVISION, C-Mount	$3,190	P
GMV-6800-1012G	Vision HAWK, WVGA, 0.4MP, AutoVISION + Visionscape, C-Mount	$3,690	P
GMV-6800-1000G	Vision HAWK, SXGA, 1.3MP, AutoVISION, C-Mount	$3,390	P
GMV-6800-1002G	Vision HAWK, SXGA, 1.3MP, AutoVISION + Visionscape, C-Mount	$3,890	P

Note WVGA - 752 x 480 pixels, SXGA 1280 x 960 pixels

Software

Part Number	Description	List Price	Type
98-000217-01	AutoVISION to Visionscape Upgrade	$500	A
99-000047-01	Annual Software Maintenance Plan, Visionscape*	$400	A
99-000048-01	Annual Software Maintenance Plan, AutoVISION*	$350	A

* Applies to 12-month period following expiration of basic 1 year factory warranty. Contact Microscan for additional information.

Accessories

Part Number	Description	List Price	Type
98-000143-01	Adapter plate kit, QX Hawk to Quadrus EZ, MS-9 or HE1500 mounting	$55	A
98-000144-01	Right angle mirror kit, QX Hawk	$85	A
98-000146-01	Window replacement, QX Hawk	$35	A
98-000147-01	15° Lens kit, QX Hawk	$135	A
98-000147-02	30° Lens kit, QX Hawk	$135	A
98-000147-03	45° Lens kit, QX Hawk	$135	A
98-000205-01	Glass window kit with IR Filter	$135	A
98-000206-01	Glass window kit	$70	A
98-000148-01	L bracket kit, QX Series	$45	A
98-000215-01*	Demo Kit, AutoVISION - supports Vision MINI and Vision HAWK	$595	*

* This Demo Kit does not contain a reader and is discounted 25%. The separately purchased reader is discounted 60%.

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QX-1 and Cordsets

Part Number	Description	List Price	Type
98-000103-02	QX-1 Interface Device	$195	A
61-000148-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin, Plug(Ultraock), 3M	$85	A
61-000148-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 3M	$80	A
61-000162-01	QX Cordset, Common, M12 12 Pin, Socket(Ultraock) to M12 12 Pin Plug(Ultraock), 1M	$80	A
61-000162-02	QX Cordset, Common, M12 12 Pin, Socket(Screw-on) to M12 12 Pin Plug(Screw-on), 1M	$74	A
61-000153-01	QX Cordset, Host, Serial, M12 12 Pin Socket(Ultraock) to DB9 Socket, 1M	$80	A
61-000153-02	QX Cordset, Host, Serial M12 12 pin Socket(Screw-on) to DB9 Socket, 1M	$74	A
61-000164-01	QX Cordset, Host, Serial, M12 12 pin Socket(Ultraock) to DB9 Socket, 3M	$85	A
61-000164-02	QX Cordset, Host, Serial, M12 12 pin Socket(Screw-on) to DB9 Socket, 3M	$80	A
61-000152-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 1M	$80	A
61-000152-02	QX Cordset, Host, Serial, M12 12 pin Plug (Screw-down) to DB9 Socket, 1M	$74	A
61-000165-01	QX Cordset, Host, Serial M12 12 pin Plug(Ultraock) to DB9 Socket, 3M	$85	A
61-000165-02	QX Cordset, Host, Serial M12 12 pin Plug(Screw-on) to DB9 Socket, 3M	$85	A
61-000163-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 3M	$85	A
61-000163-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 3M	$85	A
61-000160-01	QX Cordset, Host, Ethernet, M12 8 pin Plug(Ultraock) to RJ45, 1M	$80	A
61-000160-02	QX Cordset, Host, Ethernet, M12 8 pin Plug(Screw-on) to RJ45, 1M	$74	A
61-000161-01	QX Cordset, M12 12 pin Plug(Ultraock) to MS-5100, 3M	$85	A
61-000161-02	QX Cordset, M12 12 pin Plug(Screw-on) to MS-5100, 3M	$80	A
61-000172-01	QX Cordset, M12 12 pin Plug(Ultraock) to M12 12 pin Socket(Ultraock) to DB25 Plug	$285	A
61-000158-03	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-232, 2M	$248	A
61-000158-04	QX Cordset, M12 12 Pin Plug & Socket(Ultraock) to MS-Connect 210, RS-422/485, 2M	$248	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultraock) to Flying Leads, 3M	$85	A
61-000166-02	QX Cordset, M12 12 Pin Plug(Screw-on) to Flying Leads, 3M	$80	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultraock) to Flying Leads, 3M	$85	A
61-000167-02	QX Cordset, M12 12 Pin Socket(Screw-on) to Flying Leads, 3M	$80	A
FIS-0210-0001G	MS-Connect 210, Connectivity Box with Display	$849	A
FIS-0210-0002G	MS-Connect 210, Connectivity Box	$549	A
FIS-0210-0003G	MS-Connect 210, Connectivity Box with Display and Ethernet	$949	A
FIS-0210-0004G	MS-Connect 210, Connectivity Box with Ethernet	$849	A
98-000013-04	Relay Module, 120VAC, 3 Amp Output, Series 70, Type SM, for MS-Connect 210	$52	A
98-000013-05	Relay Module, 240VAC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
98-000013-06	Relay Module, 24VDC, 3 Amp Output, Series 70, Type SM for MS-Connect 210	$52	A
61-000204-01	ASSY, CABLE, POWER SMART SERIES TO QX-1	$204	A

Power Supplies

Part Number	Description	List Price	Type
97-000003-01	QX Power Supply, M12 12 pin Socket, 1.3m	$121	A
97-000003-02	QX Power Supply, M12 12 pin Plug, 1.3m	$121	A

Package Detector/Sensor

Part Number	Description	List Price	Type
99-000020-02	QX Photo sensor, M12 4pin Plug, NPN, Dark On, 2m	$193	A
99-000020-01	QX Photo sensor, M12 4pin Plug, NPN, Dark Off, 2m	$193	A

Mounting and Connectors

Part Number	Description	List Price	Type
98-500006-01	Mounting Plate Kit, Flat, Custom Surfaces *	$22	A
61-000166-01	QX Cordset, M12 12 Pin Plug(Ultraock) to Flying Leads, 3M	$85	A
61-000167-01	QX Cordset, M12 12 Pin Socket(Ultraock) to Flying Leads, 3M	$85	A
20-610024-01	Trigger Connector, 4-pin Plug (screw terminal and field wireable) (for self wiring)	$33	A
98-000037-01	Extension Kit, All Scanners, 6 inch	$61	A
98-000054-01	Kit, Mounting Stand Base Plate, Small	$33	A
98-000016-01	Mounting Arm/Adapter Kit, MS-820/QX-830/QX-870, 6 inch	$99	A
99-000056-01	Accessory, Bracket, DOAL 50 to QX Hawk	$253	A
99-000058-01	Accessory, Bracket, DOAL 75 to QX Hawk	$253	A
99-000060-01	Accessory, Bracket, DOAL 100 to QX Hawk	$253	A
99-000050-01	Accessory, Bracket,R-100 TO QX Hawk	$138	A
99-000052-01	Accessory, Bracket,R-60/70 TO QX Hawk	$138	A
99-000061-01	Accessory, Bracket, DOAL to C-MOUNT QX Hawk	$204	A
99-000049-01	Accessory, Bracket,R-100 TO C-MOUNT QX Hawk	$138	A
99-000051-01	Accessory, Bracket,R-60/70 TO C-MOUNT QX Hawk	$138	A

* Though-hole mounting plate; not for use with mounting arm.
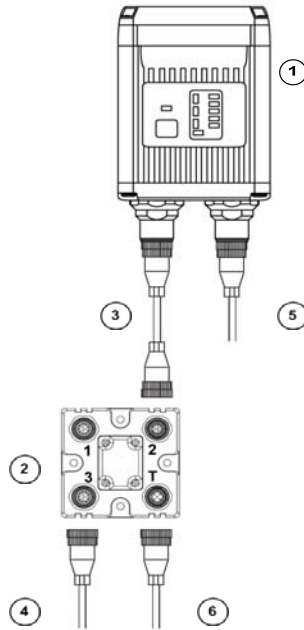
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Tech Reference *Vision HAWK*

System Matrix

Item	Part Number	Description	List Price
1	GMV-6800-1XXXG	Vision Hawk Smart Camera	Varies
2	98-000103-02	QX-1 Interface Device	$195
3	61-000162-01	QX Cordset, Common, M12 12-pin Plug to M12 12-pin Socket, 1m *	$80
4	97-000003-01	QX Power Supply, M12 12-pin Socket, 1.3m	$121
5	61-000160-01	QX Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1m *	$80
6	99-000020-02	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2m	$193
	37-000010-01	TOOLS DRIVE: User Documentation, Software	$30

* Cordsets available in multiple lengths

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VS-1 Smart Camera

Model	VS-1 Smart Camera 1610TS - VGA without Intellifind
Model	VS-1 Smart Camera 1610TIS - VGA with Intellifind
Model	VS-1 Smart Camera 1610TH - XGA without Intellifind
Model	VS-1 Smart Camera 1610TIH - XGA with Intellifind
Memory	128M System and 32M Flash
Imaging	CCD, Progressive Scan, Full Frame and Partial Scan
Frame Rate	60 fps at VGA, 30 fps at VGA
Resolution	648x494 VGA, 1024 x 768 XGA

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

VS-1 Smart Camera

Part Number	Description	List Price	Type
GMV-0HT16-0CM1G	SMARTCAM VS-1 1610TS STD RES INCLUDES VISIONSCAPE - NO INTELLIFIND	$4,990	P
GMV-0HF16-0CM1G	SMARTCAM VS-1 1610TIS STD RES INCLUDES VISIONSCAPE & INTELLIFIND	$5,490	P
GMV-1HT16-0CM1G	SMARTCAM VS-1 1610TH HIGHRES NO INTELLIFIND	$6,490	P
GMV-1HF16-0CM1G	SMARTCAM VS-1 1610TIH HR & INTELLIFIND	$6,990	P
98-000214-01	Starter Kit, no VS-1 Camera, Lenses, P/S, Ring Light, Cbls, Demo Stand	$1,720	*

* This Demo Kit does not contain a VS-1 and is discounted 25%. The separately purchased reader is discounted 60%.

Accessories

Part Number	Description	List Price	Type
98-HT00-0CD2	VS-1 SERIAL COMM CABLE M12-8 - DB9 2M	$180	A
98-HT00-0CE0	VS-1 CABLE – ETHERNET HAWKEYE M12 TO RJ45 10M	$130	A
98-HT00-0CE2	VS-1 CABLE – ETHERNET HAWKEYE M12 TO RJ45 2M	$85	A
98-HT00-0CL5	VS-1 LIGHTING CABLE M5 TO PIGTAIL 5M	$90	A
98-HT00-0CM1	VS-1 CAMERA MOUNT ADAPTER M6 & 1/4 19	$85	A
98-HT00-0CM2	VS-1 MOUNT ADAPTER BACK COMPATIBLE TO HE1600 - EXTRA RIDGID MOUNT	$220	A
98-HEDSL	HAWKEYE 1500/1600 DEMO STAND W/LG SHAFT	$260	A
98-HT00-0CP0	VS-1 POWER + IO M12-8 TO PIGTAIL 10M	$160	A
98-HT00-0CS0	VS-1 SERIAL+SECIO M12-8 - PIGTAIL 10M	$160	A
98-HT00-0LD1	DOAL 50 LIGHT W VS-1 DIRECT CONNECT -	$800	A
98-HT00-0LF1	NER DF100 LIGHT W VS-1 DIRECT CONNECT	$720	A
98-HT00-0LM1	VS-1 MOUNT FOR NER DOAL & DF100 LIGHT	$590	A
98-HT00-0LR1	NER R60 LIGHT W VS-1 DIRECT CONNECT -	$505	A
98-HT00-0PS0	VS-1 POWER SUPPLY KIT UNIVERSAL AC TO M12	$270	A
98-HT00-0TA1	VS-1 IP67 VS100 GLASS LENS PROTECTION TUBE W/ADAPTER	$495	A
98-HT00-0TA2	VS-1 IP67 VS100 NON-GLASS LENS PROTECTION TUBE W/ADAPTER	$495	A
98-HT00-0LP1G	VS-1 DIRECT CONNECT PHARMA LIGHT WHITE DARK FIELD STROBE 1.5 x 2 IN. FOV	$930	A

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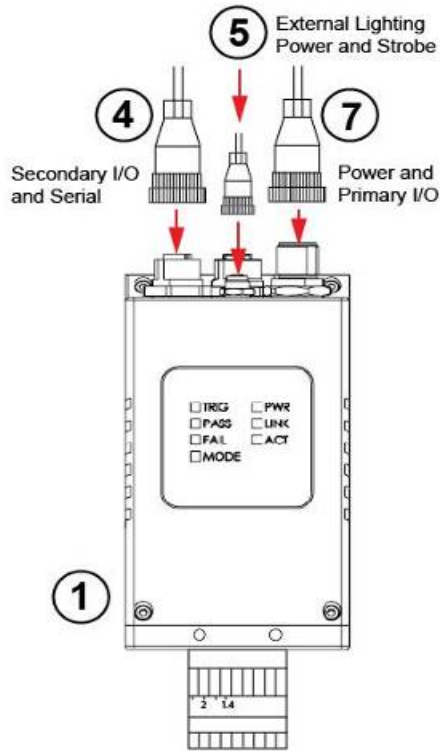07-0000001-01 Rev AG
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Documentation, Software

Stand Alone RS232

A single reader is connected directly to the host.
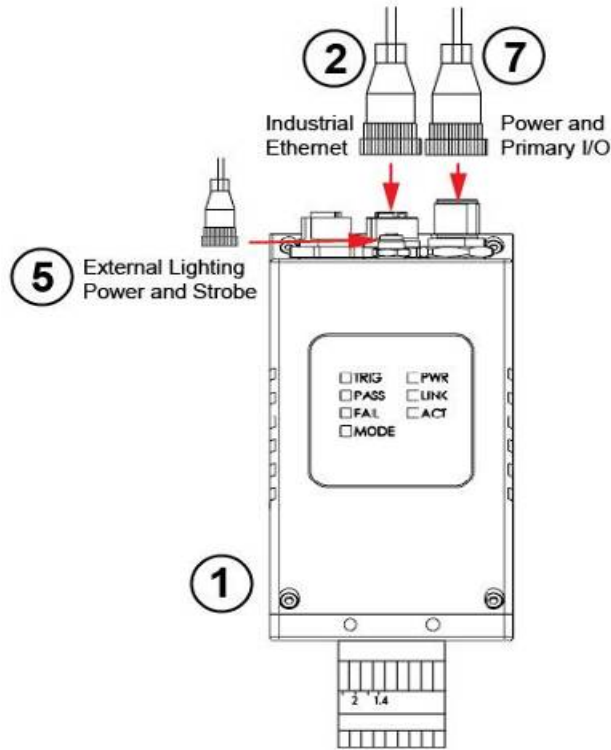

System Matrix

Product	Part Number	Description	List Price
(1) VS-1	GMV-XHX16-0CM0G	VS-1 Smart Camera	Varies
(3) Comm Cable	98-HT00-0CD2	Serial Communication Cable, M12-to-DB9, 2 meters	$180
(4) I/O Cable	98-HT00-0CS0	Secondary I/O and Serial Cable, M12-to-Pigtail, 10 meters	$160
(5) Lighting Cable	98-HT00-0CL5	Lighting Cable, M5-to-Pigtail, 5 meters	$90
(6) Power Supply	98-HT00-0PS0	PowerSupply Kit, Universal AC-to-M12	$270
(7) Power Cable	98-HT00-0CP0	Power and Primary I/O Cable, M12-to-Pigtail, 10 meters	$160

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Stand Alone Ethernet

A single reader is connected directly to the host via Ethernet.

System Matrix

Product	Part Number	Description	List Price
(1) VS-1	GMV-XHX16-0CM0G	VS-1 Smart Camera	Varies
(2) Ethernet Cable	98-HT00-0CE0	Industrial Ethernet Cable, M12-to-RJ45, 10 meters	$130
	98-HT00-0CE2	Industrial Ethernet Cable, M12-to-RJ45, 2 meters	$85
(4) I/O Cable	98-HT00-0CS0	Secondary I/O and Serial Cable, M12-to-Pigtail, 10 meters	$160
(5) Lighting Cable	98-HT00-0CL5	Lighting Cable, M5-to-Pigtail, 5 meters	$90
(6) Power Supply	98-HT00-0PS0	PowerSupply Kit, Universal AC-to-M12	$270
(7) Power Cable	98-HT00-0CP0	Power and Primary I/O Cable, M12-to-Pigtail, 10 meters	$160

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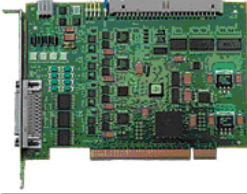
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Visionscape GigE Solution

Rapid Application Development
> Up to 8 Microscan GigE Cameras
> Consult factory for 3rd party GigE Camera support

Flexible IO
> PC Based discrete IO
> Strobe and Trigger at camera

Out of Box Experience
> Evaluation and Off-Line Programming is license free

Platforms and Customization
> XP and Vista
> Microsoft Visual Studio 6 and .NET

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Visionscape Software

Part Number	Description	List Price	Type
GMV-VGL0-0DD0	Visionscape GigE License	$2,995	P
GMV-VGL0-1DD0	Visionscape GigE License with Intellifind	$3,495	P
GMV-VGL1-1DD0	Visionscape GigE License with Intellifind + 1 Third Party GigE Cameras	$3,645	P
GMV-VGL2-1DD0	Visionscape GigE License with Intellifind + 2 Third Party GigE Cameras	$4,395	P
GMV-VGL4-1DD0	Visionscape GigE License with Intellifind + 4 Third Party GigE Cameras	$5,895	P
GMV-VGL8-1DD0	Visionscape GigE License with Intellifind + 8 Third Party GigE Camera	$8,895	P

GigE Cameras

Part Number	Description	List Price	Type
98-000115-01	Visionscape GigE Camera - VGA Mono CCD (CMG03 - 656 x 494 pixels)	$1,200	A
98-000116-01	Visionscape GigE Camera - VGA Color CCD (CMG03C - 656 x 494 pixels)	$1,200	A
98-000141-01	Visionscape GigE Camera - VGA Mono CCD - 1/2 in sensor (CMG04 - 656 x 494 pixels)	$1,600	A
98-000117-01	Visionscape GigE Camera - 0.8MP XGA Mono CCD (CMG08 - 1032 x 776 pixels)	$1,600	A
98-000118-01	Visionscape GigE Camera - 1.3MP SXGA Mono CCD (CMG13 - 1392 x 1040 pixels)	$2,245	A
98-000191-01	Visionscape GigE Camera - SXGA Mono CCD - 2/3 ins. Sensor (CMG14 - 1392 x 1040 pixels)	$3,650	A
98-000119-01	Visionscape GigE Camera - 2MP UXGA Mono CCD (CMG20 - 1624 x 1236 pixels)	$2,895	A
98-000189-01	Visionscape GigE Camera - 2MP UXGA Color CCD (CMG20c - 1624 x 1236 pixels)	$2,895	A
98-000120-01	Visionscape GigE Camera - 5MP QSXGA Mono CCD (CMG50 - 2487 x 2050 pixels)	$4,995	A
98-000190-01	Visionscape GigE Camera - 5MP QSXGA Color CCD (CMG50c - 2448 x 2050 pixels)	$4,995	A
98-000121-01	Visionscape GigE Camera - VGA Mono CCD - Power over Ethernet (CMG03-P 656 x 494 pixels)	$1,500	A

Accessories

Part Number	Description	List Price	Type
98-000130-01	PCIe DIO Card 16in/16out Isolated w cable and terminal (Current Sinking -NPN)	$635	A
98-000142-01	PCIe DIO Card 16in/16out Isolated w cable and terminal (Current Sourcing -PNP)	$695	A
98-000140-01	Single Port GigE Network Interface Card PCIe	$110	A
98-000132-01	Dual Port GigE Network Interface Card PCIe	$350	A
98-000131-01	GigE 5 Port Switch with Jumbo Packet Support	$110	A
98-000138-01	Visionscape GigE Camera Power Supply 24v 100-250v 50-60 Hz	$105	A
98-000126-01	Visionscape GigE Camera Strobe/Trigger M8-4 to Pigtail 5m	$85	A
98-000129-01	Visionscape GigE Camera Power Cable M8-3 to Pigtail 5m	$65	A
98-000133-01	CAT6 Ethernet Cable Jack Screws to RJ45 High Flex 2 m	$75	A
98-000134-01	CAT6 Ethernet Cable Jack Screws to RJ45 High Flex 5 m	$95	A
98-000124-01	GigE 4 Port Switch - Power over Ethernet (PoE) Injection	$765	A
98-000125-01	GigE Power Midspan Power Injector - 2 inputs & 2 outputs	$435	A
98-000139-01**	Visionscape GigE Demo Kit - SW Lic, VGA CCD Cmra, P/S, Trig Cble, Ethnt Cble, Lens	$4,235	**
98-000199-01*	Visionscape GigE Demo Kit - SW Lic, No Camera, P/S, Trig Cble, Ethnt Cble, Lens	$3,505	*

** Demo Kit contains Camera. Kit is discounted 25%.

* This Demo Kit does not contain a camera and is discounted 25%. The separately purchased reader is discounted 60%.

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Machine Vision Systems**
*Visionscape PC Board and Software***

Frame Grabbers			
The Visionscape frame grabbers are used to capture images from a variety of machine vision cameras into the host PC memory. All Visionscape frame grabber boards offer on-board dedicated digital I/O for triggering, strobe control and general purpose I/O.			
		x740 Series Analog Frame Grabber	**x800 Series Digital CameraLink Frame Grabber**
Board Selector Guide		• for applications • that require up to four progressive scan analog cameras • that require higher resolutions or higher speeds • that require simultaneous image acquisition on up to four channels • that require different camera resolutions	• for applications that require high-speed and/or high-resolution area scan cameras • that require line scan cameras
Camera Interface Options Various frame grabbers and plugged in daughter cards support a wide variety of camera interface options		• Progressive scan and interlaced analog cameras • Four independent channels • High resolution up to 2K x 2K • Supports special features such as electronic shuttered, frame reset, or partial scan cameras	• One digital CameraLink Base level channel • Supports of Area Scan and Line Scan • High-speed and high-resolution image acquisition
System Components	Every Visionscape 0xxx frame grabber package contains the following components: • Frame grabber board • Connection kit for external I/O board • Consists of 50-pin ribbon cable and I/O filter board with bezel • Internal power cable to connect board to PC internal 12V power supply; required to supply 12V power to analog cameras • Camera splitter adapter for up to four cameras (only in 0300 & 0740 board packages) • Visionscape Software (latest version) and complete documentation on CD		
PC Requirements	• Pentium 4, 2.4 GHz or higher with a minimum of 256 MB memory • VGA display adapter – 64K or true color • Microsoft Windows 2000 SP4 or Microsoft Windows XP SP2 or later • One open +5 V/32 bit PCI 2.2 compliant expansion slot (half length) Important note for 0800 board: The additional connector fingers of the board's Universal PCI extend beyond PCI standard connector. This does not affect the board's functioning. • Alternative for 0800 board only: One open +3.3 V/64 bit Universal PCI 2.3 compliant expansion slot (half length) – The usage of the Universal PCI bus allows the 0800 board a faster data transfer to the host PC's CPU and memory. • If I/O is required: one open slot for internal I/O		

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Visionscape PC Boards and Software

Part Number	Description	List Price	Type
GMV-VS74-0FP0	VISIONSCAPE 0740 PCI BOARD, INCLUDES VISIONSCAPE SOFTWARE	$7,495	P

Visionscape Board Accessories

Part Number	Description	List Price	Type
98-S00-0SW1	VISIONSCAPE SOFTWARE V3.7 CD	$45	A
GMV-S00-1KF0	INTELLIFIND PARALLEL PORT DONGLE	$1,205	A
GMV-S00-1KS0	VISIONSCAPE PARALLEL PORT DONGLE	$4,230	A
GMV-S00-2KF0	INTELLIFIND USB DONGLE - ADDS INTELLIFIND TOOL FOR VISIONSCAPE BOARDS	$1,205	A
GMV-S00-2KS0	VISIONSCAPE 3.7 USB DONGLE - REQ'RD FOR OFFLINE PROGRAMMING W VS3.7	$4,230	A

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Machine Vision Accessories*

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Machine Vision Hardware Accessories			
Part Number	Description	List Price	Type
98-A1203701	MINI OPTO I/O BOARD W/PLUG&HOOD	$600	A
98-97700071	FIBER OPTIC LIGHT GUIDE 1" X 6' LG	$1,180	A
98-97700061	OUTPUT MODULE G4	$295	A
98-VS00-1SM0	G4 INPUT MODULE WITH SWITCH	$75	A
98-VS00-2SM0	G4 OUTPUT MODULE WITH SWITCH	$75	A
98-VS08-0EC0	ENCODER CABLE FOR LINE SCAN SYNC	$180	A
98-VS10-0SM0	INTERNAL PC 10-PT I/O & STROBE CNTRL BOARD	$600	A
98-VS16-1SM0	G4 INPUT MODULE 2.5-16V DCM	$50	A
98-VS24-0SM0	EXTERNAL I/O AND STROBE CNTRL BOARD KIT - 24 POINT	$1,335	A
98-VS28-1SM0	G4 INPUT MODULE 2.5-28VDC (1MS/1.5MS RESP)	$50	A
98-VS28-2SM0	G4 OUTPUT MODULE 24-280V AC	$50	A
98-VS32-1SM0	G4 INPUT MODULE 10 - 32V DC	$50	A
98-VS60-2SM0	G4 OUTPUT MODULE 5-60V DC	$50	A
98-001901251	G4 INPUT MODULE 180-280 VAC (2MS/20MS)	$65	A
98-001901256	G4 OUTPUT MODULE OPTO 0-100 VDC	$65	A
98-001904091	CAL TARGET FOV (1.87 TO 3.0MM)	$1,395	A
98-001904092	CAL TARGET FOV (2.80 TO 4.50MM)	$1,395	A
98-001904093	CAL TARGET FOV (4.20 TO 6.75MM)	$1,395	A
98-001904094	CAL TARGET FOV (6.34 TO 10.2MM)	$1,395	A
98-001904095	CAL TARGET FOV (9.33 TO 15.0MM)	$1,395	A
98-001904096	CAL TARGET FOV (14.0 TO 22.5MM)	$1,395	A
98-001904097	CAL TARGET FOV (20.5 TO 33.0MM)	$1,395	A
98-001904098	CAL TARGET FOV (47.3 TO 76.1MM)	$1,395	A
98-001904099	CAL TARGET FOV (63.1 TO 101MM)	$1,395	A
98-001904100	CAL TARGET FOV (94.7 TO 152MM)	$1,395	A
98-001904101	CAL TARGET FOV (158 TO 254MM)	$1,395	A
98-001904175	CAL TARGET FOV 30.8 TO 49.5MM	$1,395	A

Machine Vision Camera Accessories			
Part Number	Description	List Price	Type
98-030161702	CBL,DIR BRKOUT TO 4 CAM D-SUB,6FT	$520	A
98-030161701	CBL,DIR BRKOUT TO 4 CAM D-SUB,18"	$485	A
98-030161700	CBL,DIR BRKOUT TO 4 CAM D-SUB 8"	$485	A
98-030161600	CBL,DIR BRKOUT TO 2 CAM D-SUB 8"	$380	A
98-A1206395	CAMERALINK SIGNAL CABLE 5 METER	$485	A
98-A1201502	CAMERA VIDEO & POWER CABLE	$605	A
98-VS01-0CX0	ANALOG CAMERA A33A VGA PROGRESSIVE SCAN	$1,080	A
98-VS03-1XC0	HI-RES CAM VIDEO & PWR CBL - 10FT / 3M (FOR 98-VS01-0CX0 AND 98-VS31-0CX0)	$335	A
98-VS07-1XC0	HI-RES CAM VIDEO & PWR CBL - 25FT / 7.5M (FOR 98-VS01-0CX0 AND 98-VS31-0CX0)	$370	A
98-VS15-1XC0	HI-RES CAM VIDEO & PWR CBL - 50FT / 15M (FOR 98-VS01-0CX0 AND 98-VS31-0CX0)	$435	A
98-VS31-0CX0	ANALOG CAMERA A152A SXGA PROGRESSIVE SCAN	$2,420	A

Machine Vision Optical Accessories			
Part Number	Description	List Price	Type
98-92800471	5MM EXTENSION TUBE FOR C-MOUNT LENSES	$40	A
98-CO206	LENS EXTENSION TUBE SET 0.5, 1, 5, 10, 20, 40MM	$145	A
98-92800571	LENS 8MM F/1.4-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800572	LENS 12MM F/1.8-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800573	LENS 16MM F/1.4-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800574	LENS 25MM F/1.6-16, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800575	LENS 35MM F/2.1-22, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800576	LENS 50MM F/2.8-22, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800577	LENS 75MM F/3.9-32, FT 25.5MM P 0.5MM, 2/3" C-MNT	$385	A
98-92800311	LENS,SKYLIGHT UV FILTER 25.5.MM	$75	A
98-92800371	POLARIZING FILTER 25.5MM THREAD	$100	A
98-92800372	LENS, FILTER POLARIZING 27.0MM P0.4	$100	A
NER-92700592	STROBE SOURCE X-400 1201-3600 PPM	$4,620	A

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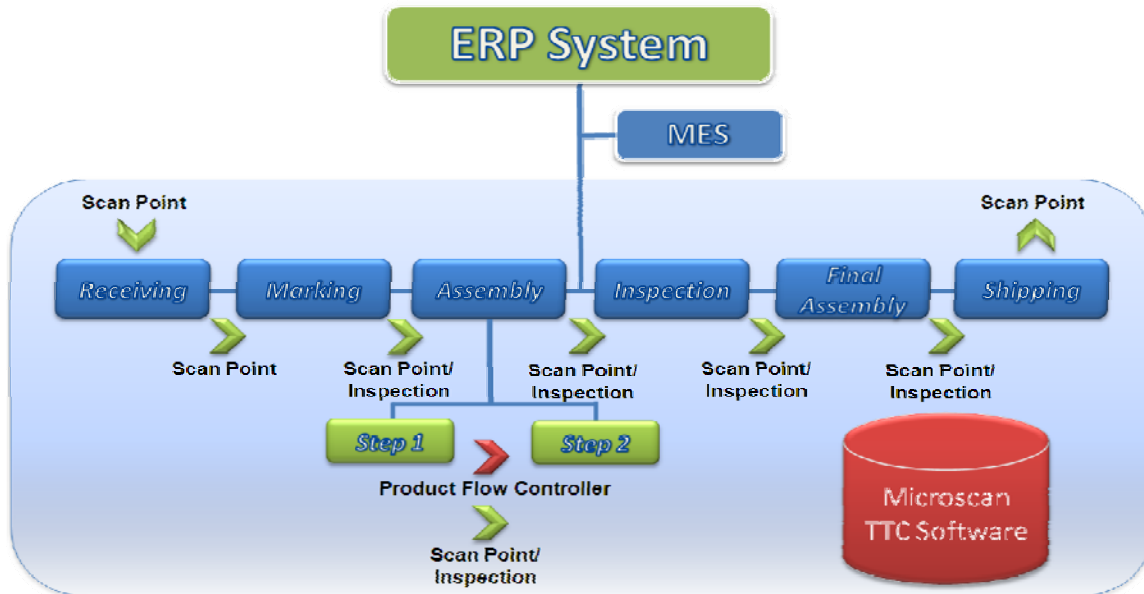Tel: **425.226.5700**
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Track Trace and Control Solutions
Factory Monitoring and Traceability Software

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Refer to your Partner Agreement for the actual discount percentage by Product Type.

Demo Kits

Part Number	Description	List Price	Type
37-000006-01	Track, Trace and Control Software w/ 10 Scan Points, CD	$12,455	A
37-000006-02	Track, Trace and Control Software, 10 Additional Scan Points	$1,245	A

Electronic Product Flow Controller

Demo Kits

Part Number	Description	List Price	Type
98-000151-01	Product Flow Controller	$2,155	A
61-000180-01	Cable, Product Flow Controller to MS-3, MINI	$85	A
61-000181-01	Cable, Product Flow Controller to QX Products	$95	A

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Machine Vision Industry Solutions*
*EZ Match**

EZ MATCH COLOR

Narrow bar-width		Field of view (width) (maximum)	Read range
1D	**2D**		
.005" (.13mm)	.0075" (.19 mm)	4.2" (106.7 mm)	3.6 to 4.5" (91.4 mm to 114.3 mm)
.0075" (.19 mm)	.010" (.25 mm)	4.5" (114.3 mm)	3.4 to 4.9" (86.4 mm to 124.5 mm)
.010" (.25 mm)	.015" (.38 mm)	5.5" (139.7 mm)	2.9 to 5.6" (73.7 mm to 142.2 mm)

EZ MATCH

Narrow bar-width		Field of view (width) (maximum)	Read range
1D	**2D**		
.0075" (.19 mm)	.010" (.25 mm)	4.2" (106.7 mm)	3.3 to 4.5" (83.8 mm to 114.3 mm)
.010" (.25 mm)	.015" (.38 mm)	4.5" (114.3 mm)	2.75 to 5.0" (69.9 mm to 127 mm)

Demo Kits			
Part Number	Description	List Price	Type
FIS-0004-1000G	EZ MATCH, B&W, Serial	$2,750	P
FIS-0004-1001G	EZ MATCH, 3MP, COLOR, Serial	$3,300	P

Note:

Visit MS-3 Laser section for stand alone configuration references

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Visionscape I-Pak**

Visionscape I-PAK

Part Number	Description	List Price	Type
GMV-IP74-0SE0	I-PAK SE - Stainless Enclosure with IPC 677B Panel PC and Visionscape 0740 board. Requires UPS and Floor or Shelf mount kit	$31,895	P
GMV-IP81-0SE0	I-PAK SE - Stainless Enclosure with IPC 677B Panel PC and Visionscape 0800 board. Requires UPS and Floor or Shelf mount kit	$31,895	P
GMV-IP74-0SK0	I-PAK SK with Visionscape 0740 board for analog cameras	$9,345	P
GMV-IP81-0SK0	I-PAK SK with Visionscape 0800 board for analog cameras	$9,345	P
GMV-0HF16-0HE1G	SMARTCAM VS-1 1610TIS STD RES, INTELLIFIND FOR I-PAK HE	$4,939	P
GMV-1HF16-0HE1G	SMARTCAM VS-1 1610TIH HIGH RES, INTELLIFIND FOR I-PAK HE	$6,589	P
GMV-0HF16-0PS1G	VS-1 Pharma Track Trace Kit - VGA Smart Cam, Pharma Light, Lens, Cables, PS	$7,249	P
GMV-1HF16-0PS1G	VS-1 Pharma Track Trace Kit - High Res Smart Cam, Pharma Light, Lens, Cables, PS	$8,789	P
GMV-IP16-0HE2	I-PAK HE Pharma Industry 21 CFR part 11 GUI for VS-1 Smart Camera	$1,095	P

Visionscape I-PAK Accessories

Part Number	Description	List Price	Type
98-209191	UPS 230VAC, EU universal, with cables for I-PAK	$660	A
98-209181	UPS 120VAC, US, with cables for I-PAK	$660	A
98-209211	I-PAK SE Floor Stand - Stainless Column 1.5m	$3,850	A
98-209221	I-PAK SE Shelf Mount System - Stainless	$2,750	A
98-200431	I-PAK SE Tilt and Swivel Floor Stand	$2,750	A
98-209441	I-PAK SE Adapter to Tilt and Swivel Floor Stand	$440	A
98-209241	I-PAK SE Cable UPS to PC	$72	A
98-602151	I-PAK SE UPS UK cable and plug for 220VAC 3m	$39	A
98-HT00-0LP1	VS-1 Direct Connect Pharma Light White Dark Field Strobe 1.5 x 2 In. FOV	$930	A
98-A1200713	PC Upgrade For VS I-PAK A1-20071 (Single VS0740 Board)	$14,284	A
98-A1209751	Cbl, Adaptr, CA-XCHM To 98-VS01-0CX0 Or 98-VS31-0CX0 (Cam Upgrade Using Existing Cbl)	$303	A

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MS-96 Vial Reader

MS-96 Vial Reader			
Part Number	Description	List Price	Type
FIS-VRKIT2	VIAL READER WITH 25 FT INTERFACE CABLE	$11,500	P
FIS-VRKIT1	VIAL READER WITH 10 FT INTERFACE CABLE	$11,500	P

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NERLITE® SMART RING LIGHTS

NERLITE® Smart Series Ring lights use HI-Brite LEDs and feature an integrated strobe controller for easy integration in industrial applications.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

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Refer to your Partner Agreement for the actual discount percentage by Product Type.

Part Number	Description		List Price	Type
60 mm				
NER-011660800G	Smart Series Ring Light 60MM, Red		$450	P
NER-011660810G	Smart Series Ring Light 60MM, White		$530	P
NER-011660820G	Smart Series Ring Light 60MM, Blue		$520	P
NER-011660830G	Smart Series Ring Light 60MM, IR	IR	$470	P
NER-011660840G	Smart Series Ring Light 60MM, UV	UV	$530	P
70 mm				
NER-011660900G	Smart Series Ring Light 70MM, Red		$480	P
NER-011660910G	Smart Series Ring Light 70MM, White		$560	P
NER-011660920G	Smart Series Ring Light 70MM, Blue		$560	P
NER-011660930G	Smart Series Ring Light 70MM, IR	IR	$500	P
NER-011660940G	Smart Series Ring Light 70MM, UV	UV	$560	P
100 mm				
NER-011661100G	Smart Series Ring Light 100MM, Red		$640	P
NER-011661110G	Smart Series Ring Light 100MM, White		$750	P
NER-011661120G	Smart Series Ring Light 100MM, Blue		$740	P
NER-011661130G	Smart Series Ring Light 100MM, IR	IR	$670	P
NER-011661140G	Smart Series Ring Light 100MM, UV	UV	$750	P
Power Supply (60, 70, 100)				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
97-000006-01	DSP100, 24VDC 4.2A DIN Mount Power Supply		$260	A
Power Supply Cordsets				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A
61-000186-01	Cable 5 Pin M12 Female To Flying Leads, 3M		$65	A
61-000187-01	Cable 5 Pin M12 Female to Flying Leads, 5M		$75	A

NERLITE® RING LIGHT ACCESSORIES

Note: For mounting and alternate focused optics use the following

60 mm Mounts and Optics

Part Number	Description	List Price	Type
99-000026-01	R-60 FOCUSING LENS, F.L. = 70MM	$150	A
99-000026-02	R-60 FOCUSING LENS, F.L. = 102MM	$150	A
99-000026-03	R-60 FOCUSING LENS, F.L. = 127MM	$150	A
99-000025-01	R-60 LENS ADAPTER, 25.5MM X 0.50MM	$65	A
99-000025-02	R-60 LENS ADAPTER, 27.0MM X 0.50MM	$65	A
99-000025-03	R-60 LENS ADAPTER,30.5MM X 0.50MM	$65	A
99-000025-04	R-60 LENS ADAPTER,40.5MM X 0.50MM	$65	A
99-000025-05	R-60 LENS ADAPTER, 46.0MM X 0.75MM	$65	A

70 mm Mounts and Optics

Part Number	Description	List Price	Type
99-000028-01	R-70 FOCUSING LENS, F.L. = 70MM	$150	A
99-000028-02	R-70 FOCUSING LENS, F.L. = 102MM	$150	A
99-000028-03	R-70 FOCUSING LENS, F.L. = 127MM	$150	A
99-000027-01	R-70 LENS ADAPTER, 25.5MM X 0.50MM	$65	A
99-000027-02	R-70 LENS ADAPTER, 27.0MM X 0.50MM	$65	A
99-000027-03	R-70 LENS ADAPTER,30.5MM X 0.50MM	$65	A
99-000027-04	R-70 LENS ADAPTER,40.5MM X 0.50MM	$65	A

100 mm Mounts and Optics

Part Number	Description	List Price	Type
99-000030-01	R-100 FOCUSING LENS, F.L. = 70MM	$150	A
99-000030-02	R-100 FOCUSING LENS, F.L. = 102MM	$150	A
99-000030-03	R-100 FOCUSING LENS, F.L. = 127MM	$150	A
99-000030-04	R-100 FOCUSING LENS, F.L. = 152MM	$150	A
99-000029-01	R-100 LENS ADAPTER, 25.5MM X 0.50MM	$65	A
99-000029-02	R-100 LENS ADAPTER, 27.0MM X 0.50MM	$65	A
99-000029-03	R-100 LENS ADAPTER,30.5MM X 0.50MM	$65	A
99-000029-04	R-100 LENS ADAPTER,40.5MM X 0.50MM	$65	A

Ring Light Camera Mounting Brackets

Part Number	Description	List Price	Type
99-000050-01	ACCESSORY,BRACKET,R-100 TO QX Hawk	$138	A
99-000052-01	ACCESSORY,BRACKET,R-60/70 TO QX Hawk	$138	A
99-000053-01	ACCESSORY,BRACKET,R-60/70 TO MINI	$138	A
99-000054-01	ACCESSORY,BRACKET,R-100 TO MINI	$138	A
99-000049-01	ACCESSORY,BRACKET,R-100 TO C-MOUNT QX Hawk	$138	A
99-000051-01	ACCESSORY,BRACKET,R-60/70 TO C-MOUNT QX Hawk	$138	A

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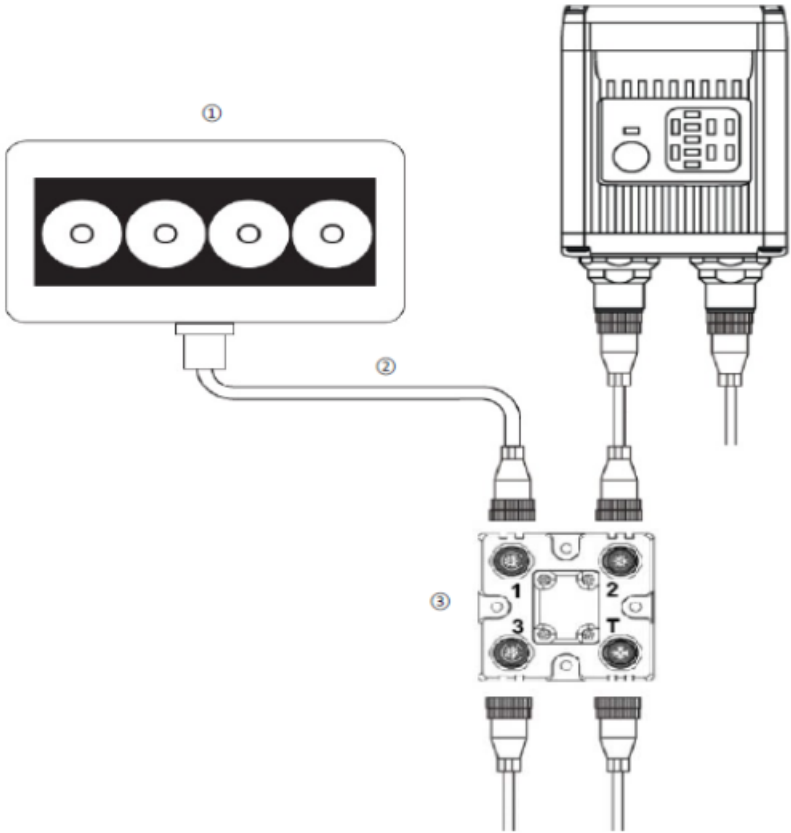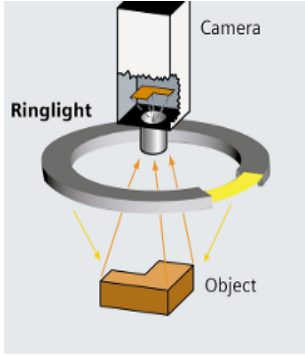
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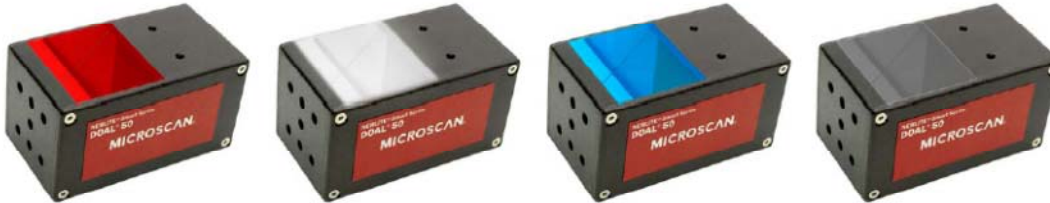www.microscan.com

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Item	Description	Part #
1	Smart Series Light	Various
2	Cable, Power Smart Series to QX-1	61-000204-01
3	QX-1 Interface Device	98-000103-02

Note: This configuration does not supprt Daisy Chaining.
Powering more than 1 light via the QX-1 will exceed the QX-1's current capacity.

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NERLITE® SMART DOAL® LIGHTS

NERLITE® Smart Series DOAL lights use HI-Brite LEDs and feature an integrated strobe controller for easy integration in industrial applications.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

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Part Number	Description		List Price	Type
25 mm				
NER-011660400G	Smart Series DOAL 25MM, Red		$520	P
NER-011660410G	Smart Series DOAL 25MM, White		$639	P
NER-011660420G	Smart Series DOAL 25MM, Blue		$597	P
NER-011660430G	Smart Series DOAL 25MM, IR	IR	$715	P
50 mm				
NER-011660500G	Smart Series DOAL 50MM, Red		$755	P
NER-011660510G	Smart Series DOAL 50MM, White		$894	P
NER-011660520G	Smart Series DOAL 50MM, Blue		$905	P
NER-011660530G	Smart Series DOAL 50MM, IR	IR	$975	P
75 mm				
NER-011660600G	Smart Series DOAL 75MM, Red		$1,200	P
NER-011660610G	Smart Series DOAL 75MM, White		$1,490	P
NER-011660620G	Smart Series DOAL 75MM, Blue		$1,490	P
NER-011660630G	Smart Series DOAL 75MM, IR	IR	$1,550	P
100 mm				
NER-011660700G	Smart Series DOAL 100MM, Red		$1,990	P
NER-011660710G	Smart Series DOAL 100MM, White		$2,300	P
NER-011660720G	Smart Series DOAL 100MM, Blue		$2,300	P
NER-011660730G	Smart Series DOAL 100MM, IR	IR	$2,400	P
Power Supply (25, 50 mm)				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
97-000006-01	Power Supply DSP100 24VDC 4.2A DIN Mount		$260	A
Power Supply Cordsets and Cables				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A
61-000186-01	Cable 5 Pin M12 Female To Flying Leads, 3M		$65	A
61-000187-01	Cable 5 Pin M12 Female To Flying Leads, 5M		$75	A
*Note: Can also be used to control intensity of continuous lights				
DOAL Camera Mounting Brackets				
99-000055-01	ACCESSORY, BRACKET, DOAL 50 to MINI		$253	A
99-000056-01	ACCESSORY, BRACKET, DOAL 50 to QX Hawk		$253	A
99-000057-01	ACCESSORY, BRACKET, DOAL 75 to MINI		$253	A
99-000058-01	ACCESSORY, BRACKET, DOAL 75 to QX Hawk		$253	A
99-000059-01	ACCESSORY, BRACKET, DOAL 100 to MINI		$253	A
99-000060-01	ACCESSORY, BRACKET, DOAL 100 to QX Hawk		$253	A
99-000061-01	ACCESSORY, BRACKET, DOAL to C-Mount Hawk		$253	A

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Tech Reference *DOAL Lights*

Hardware Required

Item	Description	Part Number
1	Smart Series Doal Lights	NER-011660XXXG
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
2	Power Supply DSP100 24VDC 4.2A DIN Mount	97-000006-01
3	Cable 5 Pin M12 Female To Flying Leads, 3M	61-000186-01
3	Cable 5 Pin M12 Female To Flying Leads, 5M	61-000187-01
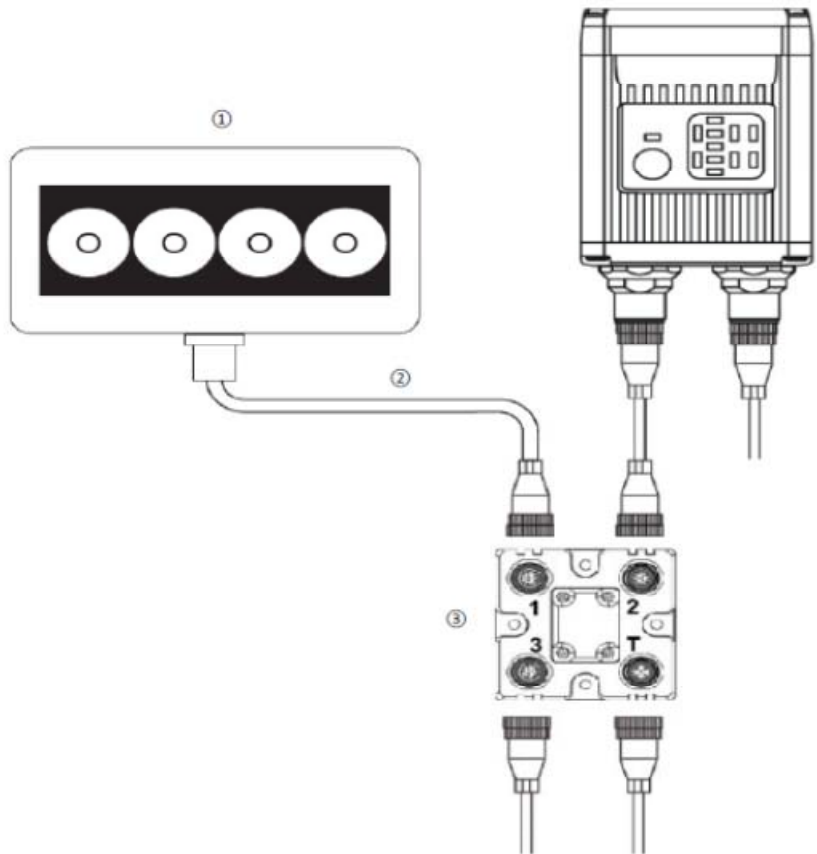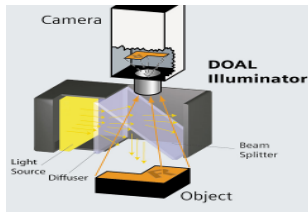
Item	Description	Part #
1	Smart Series Light	Various
2	Cable, Power Smart Series to QX-1	61-000204-01
3	QX-1 Interface Device	98-000103-02

Note: This configuration does not supprt Daisy Chaining.
Powering more than 1 light via the QX-1 will exceed the QX-1's current capacity.

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NERLITE® CDI®

CDI's patented optics and integrated sphere technology yield an unrivaled self-contained continuous diffuse

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

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Refer to your Partner Agreement for the actual discount percentage by Product Type.

Part Number	Description		List Price	Type
CDI (Continuous Diffuse Illuminator)				
NER-011251500	CDI-150/25, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$3,245	P
NER-011251510	CDI-150/25, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$3,410	P
NER-011252000	CDI-200/75, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$3,685	P
NER-011252010	CDI-200/75, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$3,850	P
Power Supply/Controllers				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474	A
Power Supply Cordsets				
030-028300	AC Power Cord for DSPxx Power Supply, US		$61	A
030-028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
030-028500	AC Power Cord for DSPxx Power Supply, UK		$61	A

*Note: Can also be used to control intensity of continuous lights

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Tech Reference *CDI Lights*

Hardware Required

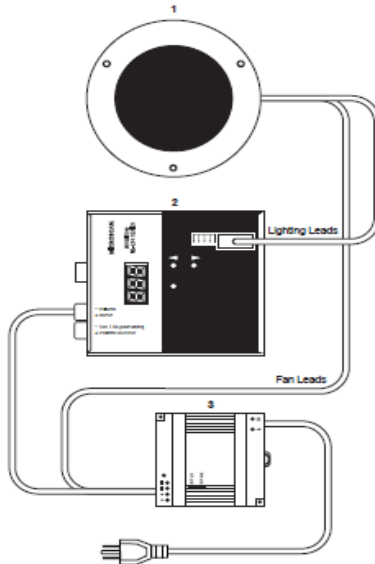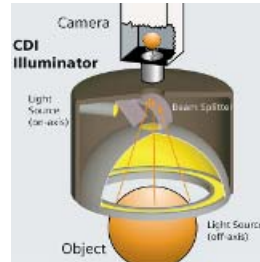| Item	Description	Part Number
1	CDI Series Illuminators	NER-01125XXXX
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
3	NL-200 Series Lighting Controller	98-000152-0X

Figure A
CDI Series Illuminator
with NL-200 Controller, power supply
and fan circuit

CDI Calibration

1. After installation, set both the On Axis Lighting (DOAL) and Off Axis Lighting (Ring/Dome) channels to 100% of their rated currents.

2. Reduce the current to the On Axis Lighting (DOAL) until the desired image is displayed on your vision system.

Prices and Specifications Subject to Change

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MICROSCAN.

HI-BRITES
HI-BRITES are designed to provide high intensity illumination over a large area.
HI-BRITES have an industrial design with IP67 enclosure and built in controller.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

PART #	DESCRIPTION		List Price	Type
HI-Brite 300 mm				
NER-011660300G	HI-BRITE 300, Red, Narrow		$900	P
NER-011660310G	HI-BRITE 300, White, Narrow		$950	P
NER-011660301G	HI-BRITE 300, Red, Wide		$900	P
NER-011660311G	HI-BRITE 300, White, Wide		$950	P
HI-Brite 100 mm				
NER-011660200G	HI-BRITE 100, Red, Narrow		$700	P
NER-011660210G	HI-BRITE 100, White, Narrow		$750	P
NER-011660201G	HI-BRITE 100, Red, Wide		$700	P
NER-011660211G	HI-BRITE 100, White, Wide		$750	P
HI-Brite 45 mm				
NER-011660100G	HI-BRITE 45, Red, Narrow		$400	P
NER-011660110G	HI-BRITE 45, White, Narrow		$450	P
NER-011660101G	HI-BRITE 45, Red, Wide		$400	P
NER-011660111G	HI-BRITE 45, White, Wide		$450	P
Hi-Brite Cables (Not included with light)				
61-000184-01	Cable, 5P M12 Male - 5P M12 Female, 1M, Shielded (for daisy chain)		$65	A
61-000185-01	Cable, 5P M12 Male - 5P M12 Female, 3M, Shielded (for daisy chain)		$75	A
61-000186-01	Cable, 5P M12 Female - Flying Leads, 3M, Shielded		$65	A
61-000187-01	Cable, 5P M12 Female - Flying Leads, 5M, Shielded		$75	A
Power Supply				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
97-000006-01	DSP100 24VDC 4.2A DIN Mount Power Supply		$260	A
Power Supply Cordsets				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A

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Hardware Required

Item	Description	Part Number
1	HI-Brite Series Lights	NER-011660XXXG
2	Power Supply DSP100 24VDC 4.2A DIN Mount	97-000006-01
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
3	Cable, 5P M12 Female To Flying Leads, 3M	61-000186-01
3	Cable, 5P M12 Female To Flying Leads, 5M	61-000187-01
4	Cable, 5P M12 Male To 5P M12 Female, 1M	61-000184-01
4	Cable, 5P M12 Male To 5P M12 Female, 3M	61-000185-01
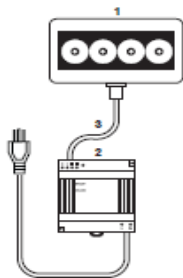
Figure A
HI-Brite Series Illuminator
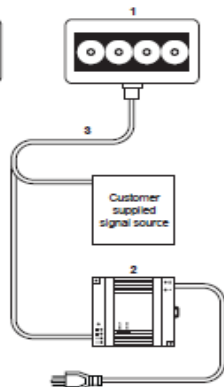with power supply

Figure B
HI-Brite Series Illuminator
with customer supplied
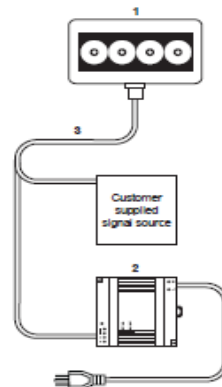dimming or on-off
signal source

Figure C
HI-Brite Series Illuminator
with customer supplied
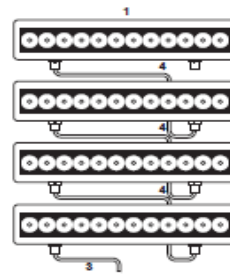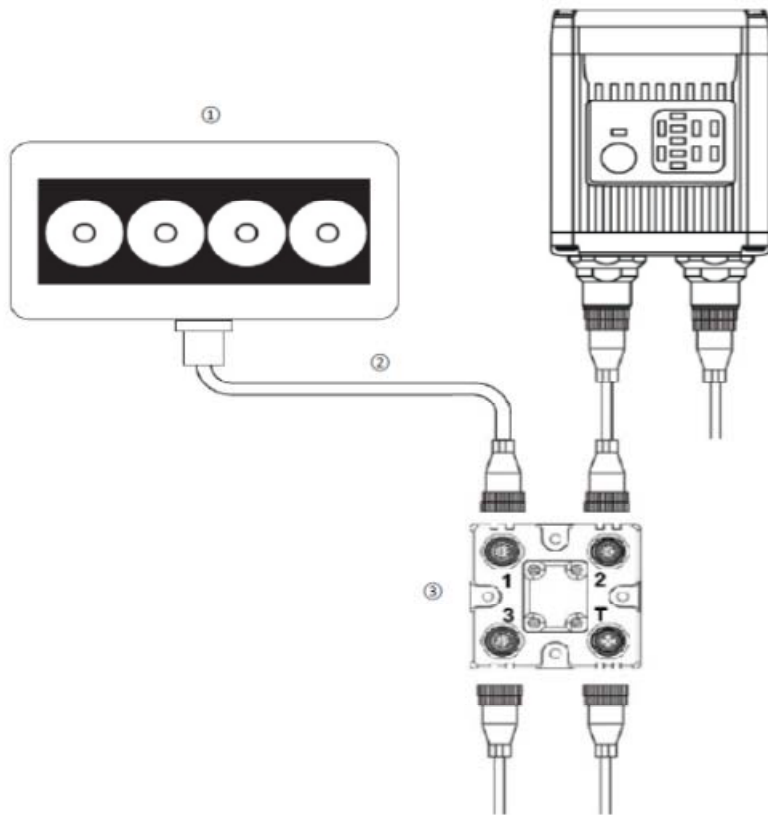strobe trigger signal source

Figure D
HI-Brite Series Illuminators in
a daisy chain configuration.
See figures A, B, or C for the
correct power supply and
signal connections for your
application.

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Item	Description	Part #
1	Smart Series Light	Various
2	Cable, Power Smart Series to QX-1	61-000204-01
3	QX-1 Interface Device	96-000103-02

Note: This configuration does not supprt Daisy Chaining.
Powering more than 1 light via the QX-1 will exceed the QX-1's current capacity.

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AREA ARRAYS

Area Arrays are designed for non-specular surface lighting in applications that demand economical solutions.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

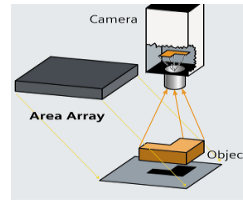**Note: For basic applications continuous lights only require a light + power supply**

PART #	DESCRIPTION		List Price	Type
Area Arrays 50X50 Continuous				
NER-011652115	AR-50x50-HO, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$387	P
NER-011652114	AR-50x50-HO, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$504	P
NER-011652125	AR-50x50-HO, B LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$504	P
NER-011652143	AR-50x50-HO, IR LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$504	P
NER-011652138	AR-50X50-HO, UV LED, 24V-C 4.5M [15FT] Cbl W/Flying Leads	U	$504	P
Area Arrays 75X75 Continuous				
NER-011903401	AR-75x75-HO, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$581	P
NER-011903502	AR-75x75-HO, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$900	P
NER-011903503	AR-75x75-HO, B LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$900	P
NER-011652182	AR-75x75-HO, IR LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$900	P
NER-011652181	AR-75X75-HO, UV LED, 24V-C 4.5M [15FT] Cbl W/Flying Leads	U	$900	P
Area Arrays 100X100 Continuous				
NER-011904101	AR-100x100-HO, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$945	P
NER-011904201	AR-100x100-HO, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$1,305	P
NER-011904301	AR-100x100-HO, B LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$1,305	P
NER-011652232	AR-100x100-HO, IR LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$1,305	P
Area Arrays 50X200 Continuous				
NER-011650005	AR-50x200-HO, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$990	P
NER-011650012	AR-50x200-HO, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$1,765	P
Power Supply (Area Arrays continuous)				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
Power Supply Cordsets				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A

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MICROSCAN.

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

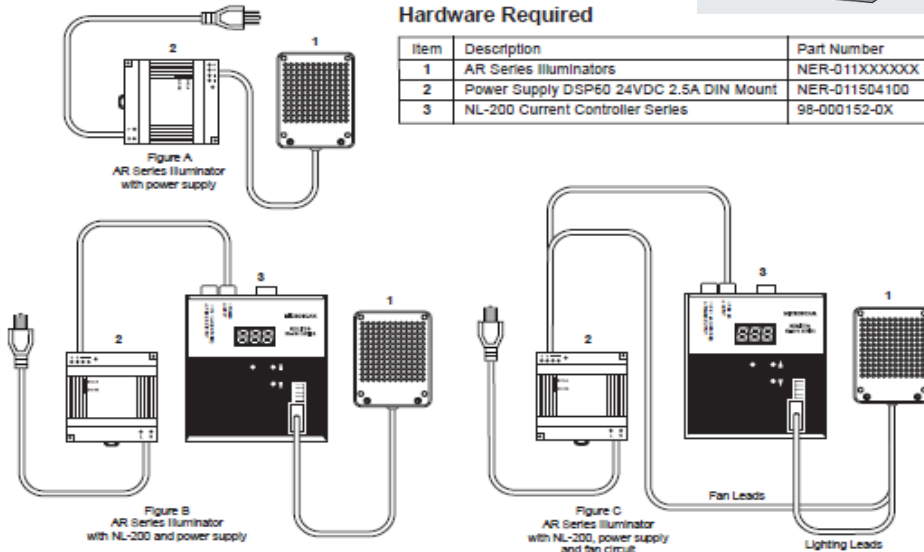| PART #	DESCRIPTION		List Price	List
Area Arrays 50X50 Strobed				
NER-011652131	AR-50x50-HO, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$387	P
NER-011652133	AR-50x50-HO, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$504	P
NER-011652135	AR-50x50-HO, B LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$504	P
NER-011652144	AR-50x50-HO, IR LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$504	P
NER-011652137	AR-50X50-HO, UV LED, 24V-S 4.5M [15FT] Cbl W/Flying Leads	U	$504	P
Area Arrays 75X75 Strobed				
NER-011652171	AR-75x75-HO, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$581	P
NER-011652173	AR-75x75-HO, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$900	P
NER-011652175	AR-75x75-HO, B LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$900	P
NER-011904006	AR-75x75-HO, IR LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$900	P
NER-011652180	AR-75X75-HO, UV LED, 24V-S 4.5M [15FT] Cbl w/ Flying Leads	U	$900	P
Area Arrays 100X100 Strobed				
NER-011652226	AR-100x100-HO, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$945	P
NER-011652228	AR-100x100-HO, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$1,305	P
NER-011652230	AR-100x100-HO, B LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$1,305	P
NER-011904406	AR-100x100-HO, IR LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$1,305	P
Area Arrays 50X200 Strobed				
NER-011650004	AR-50x200-HO, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$990	P
NER-011650013	AR-50x200-HO, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$1,765	P
Power Supply/Controllers				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474	A
Power Supply Cordsets				
030-028300	AC Power Cord for DSPxx Power Supply, US		$61	A
030-028400	AC Power Cord for DSPxx Power Supply, EU		$55	A
030-028500	AC Power Cord for DSPxx Power Supply, UK		$55	A

*Note: Can also be used to control intensity of continuous lights

Tech Reference *Arrays*

Hardware Required

Item	Description	Part Number
1	AR Series Illuminators	NER-011XXXXXX
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
3	NL-200 Current Controller Series	98-000152-0X

Figure A
AR Series Illuminator
with power supply

Figure B
AR Series Illuminator
with NL-200 and power supply

Figure C
AR Series Illuminator
with NL-200, power supply
and fan circuit

Fan Leads

Lighting Leads

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LINEAR ARRAYS (also known as line/bar lights)

Linear Arrays are designed for off axis, non-specular surface lighting in applications that demand small size economical solutions.

Note: For basic applications continuous lights only require a light + power supply

PART #	DESCRIPTION		List Price	Type
Linear Arrays 50 Continuous				
NER-011654195	LA-50-1, R LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$315	P
NER-011654198	LA-50-1, W LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$342	P
NER-011654170	LA-50-1, B LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$342	P
Linear Arrays 100 Continuous				
NER-011654395	LA-100-1, R LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$423	P
NER-011654340	LA-100-1, W LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$477	P
NER-011654370	LA-100-1, B LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$477	P
Linear Arrays 150 Continuous				
NER-011654593	LA-150-1, R LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$477	P
NER-011654540	LA-150-1, W LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$558	P
NER-011654570	LA-150-1, B LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads		$558	P
Power Supply (Linear Arrays continuous)				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
Power Supply Cordsets				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

PART #	DESCRIPTION		List Price	Type
Linear Arrays 50 Strobed				
NER-011654120	LA-50-1, R LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$315	P
NER-011654150	LA-50-1, W LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$342	P
NER-011654180	LA-50-1, B LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$342	P
Linear Arrays 100 Strobed				
NER-011654320	LA-100-1, R LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$423	P
NER-011654350	LA-100-1, W LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$477	P
NER-011654380	LA-100-1, B LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$477	P
Linear Arrays 150 Strobed				
NER-011654520	LA-150-1, R LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$477	P
NER-011654550	LA-150-1, W LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$558	P
NER-011654580	LA-150-1, B LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$558	P
Power Supply/Controllers				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474	A
Power Supply Cordsets				
030-028300	AC Power Cord for DSPxx Power Supply, US		$61	A
030-028400	AC Power Cord for DSPxx Power Supply, EU		$55	A
030-028500	AC Power Cord for DSPxx Power Supply, UK		$55	A

*Note: Can also be used to control intensity of continuous lights

Prices and Specifications Subject to Change

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Tech Reference *Bar-Line Lights*

Hardware Required

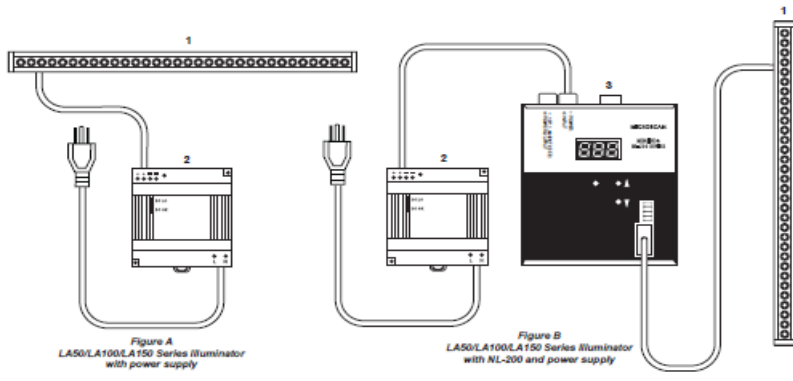| Item	Description	Part Number
1	LA Series Illuminators	NER-011654XXX
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
3	NL-200 Current Controller Series	98-000152-0X

Figure A
LA50/LA100/LA150 Series Illuminator
with power supply

Figure B
LA50/LA100/LA150 Series Illuminator
with NL-200 and power supply

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MICROSCAN.

NERLITE® HIGH INTENSITY SPOT LIGHTS
NERLITE Spot lights provide economical lighting for non-specular surfaces.

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

PART #	DESCRIPTION		List Price	Type
Spot 20mm Continuous/Stobed				
NER-011656003G	S-20, R1 LED-ND10, CC, 4.5M (15 ft.) Cbl w/Flying Leads		$350	P
NER-011656013	S-20, W3 LED-ND10, CC, 4.5M (15 ft.) Cbl w/Flying Leads		$350	P
NER-011657600G	S-20, UV1 10 DEG, CC, 4.5M (15 ft.) Cbl w/Flying Leads	UV	$450	P
NER-011657601G	S-20, UV3 10 DEG, CC, 4.5M (15 ft.) Cbl w/Flying Leads	UV	$450	P
NER-011656913	LLG-20.6 W3 LED-ND CC 4.5M (15ft.) Cbl w/Flying Leads		$350	P
Power Supply/Controllers				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474	A
Power Supply Cordsets				
030-028300	AC Power Cord for DSPxx Power Supply, US		$61	A
030-028400	AC Power Cord for DSPxx Power Supply, EU		$55	A
030-028500	AC Power Cord for DSPxx Power Supply, UK		$55	A

*Note: Can also be used to control intensity of continuous lights

Prices and Specifications Subject to Change

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MICROSCAN.

NERLITE® BACKLIGHTS with "Edge to Edge" lighting

Backlights provide sharp contrast to outline a parts shape, hide clear housings, and view openings such as drilled holes.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Note: For basic applications continuous lights only require a light + power supply

| PART #	DESCRIPTION		List Price	Type
Backlights 47X59 Continuous				
NER-011659300G	BACKLIGHT, MV, 47X59 R LED 24VC, M12 CONNECTOR		$565	P
NER-011659310G	BACKLIGHT, MV, 47X59 W LED 24VC, M12 CONNECTOR		$715	P
NER-011659320G	BACKLIGHT, MV, 47X59 B LED 24VC, M12 CONNECTOR		$715	P
NER-011659340G	BACKLIGHT, MV, 47X59 I LED 24VC, M12 CONNECTOR	IR	$565	P
Backlights 71X88 Continuous				
NER-011659400G	BACKLIGHT, MV, 71X88 R LED 24VC, M12 CONNECTOR		$655	P
NER-011659410G	BACKLIGHT, MV, 71X88 W LED 24VC, M12 CONNECTOR		$810	P
NER-011659420G	BACKLIGHT, MV, 71X88 B LED 24VC, M12 CONNECTOR		$810	P
NER-011659440G	BACKLIGHT, MV, 71X88 I LED 24VC, M12 CONNECTOR	IR	$655	P
Backlights 100X100 Continuous				
NER-011659500G	BACKLIGHT MV 100X100 R LED 24VC, M12 CONNECTOR		$700	P
NER-011659510G	BACKLIGHT MV 100X100 W LED 24VC, M12 CONNECTOR		$900	P
NER-011659520G	BACKLIGHT MV 100X100 B LED 24VC, M12 CONNECTOR		$900	P
NER-011659540G	BACKLIGHT MV 100X100 I LED 24VC, M12 CONNECTOR	IR	$700	P
Backlights 50X200 Continuous				
NER-011659600G	BACKLIGHT, MV, 50X200 R LED 24VC, M12 CONNECTOR		$700	P
NER-011659610G	BACKLIGHT, MV, 50X200 W LED 24VC, M12 CONNECTOR		$900	P
NER-011659620G	BACKLIGHT, MV, 50X200 B LED 24VC, M12 CONNECTOR		$900	P
NER-011659640G	BACKLIGHT, MV, 50X200 I LED 24VC, M12 CONNECTOR	IR	$700	P
Power Supply Backlights Continuous				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
Power Supply Cordsets				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A
Backlight Accessories				
NER-030029100	M12 to Flying Leads Cable		$55	A

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Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

Backlights 47X59 Strobed			List Price	Type
PART #	DESCRIPTION		List Price	Type
NER-011659301G	BACKLIGHT, MV, 47X59 R LED CC, M12 CONNECTOR		$565	P
NER-011659311G	BACKLIGHT, MV, 47X59 W LED CC, M12 CONNECTOR		$715	P
NER-011659321G	BACKLIGHT, MV, 47X59 B LED CC, M12 CONNECTOR		$715	P
NER-011659341G	BACKLIGHT, MV, 47X59 I LED CC, M12 CONNECTOR	IR	$565	P
Backlights 71X88 Strobed				
NER-011659401G	BACKLIGHT, MV, 71X88 R LED CC, M12 CONNECTOR		$655	P
NER-011659411G	BACKLIGHT, MV, 71X88 W LED CC, M12 CONNECTOR		$810	P
NER-011659421G	BACKLIGHT, MV, 71X88 B LED CC, M12 CONNECTOR		$810	P
NER-011659441G	BACKLIGHT, MV, 71X88 I LED CC, M12 CONNECTOR	IR	$655	P
Backlights 100X100 Strobed				
NER-011659501G	BACKLIGHT, MV, 100X100 R LED CC, M12 CONNECTOR		$700	P
NER-011659511G	BACKLIGHT, MV, 100X100 W LED CC, M12 CONNECTOR		$900	P
NER-011659521G	BACKLIGHT, MV, 100X100 B LED CC, M12 CONNECTOR		$900	P
NER-011659541G	BACKLIGHT, MV, 100X100 I LED CC, M12 CONNECTOR	IR	$700	P
Backlights 50X200 Strobed				
NER-011659601G	BACKLIGHT, MV, 50X200 R LED CC, M12 CONNECTOR		$700	P
NER-011659611G	BACKLIGHT, MV, 50X200 W LED CC, M12 CONNECTOR		$900	P
NER-011659621G	BACKLIGHT, MV, 50X200 B LED CC, M12 CONNECTOR		$900	P
NER-011659641G	BACKLIGHT, MV, 50X200 I LED CC, M12 CONNECTOR	IR	$700	P
Power Supply/Controllers				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474	A
Power Supply Cordsets				
030-028300	AC Power Cord for DSPxx Power Supply, US		$61	A
030-028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
030-028500	AC Power Cord for DSPxx Power Supply, UK		$61	A
*Note: Can also be used to control intensity of continuous lights				
Backlight Accessories				
NER-030029100	M12 to Flying Leads Cable		$55	A

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NERLITE® LARGE BACKLIGHTS

Backlights provide sharp contrast to outline a parts shape, hide clear housings, and view openings such as drilled holes.

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

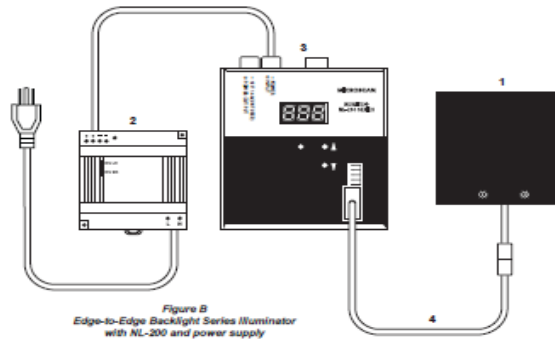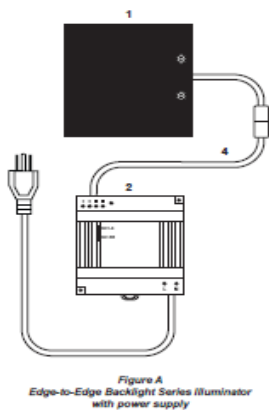| PART #	DESCRIPTION		List Price	Type
Backlights 100X200 Continuous/Strobed				
NER-011659700G	BACKLIGHT, MV, 100X200 R LED CC, M12 CONNECTOR		$1,205	P
NER-011659710G	BACKLIGHT, MV, 100X200 W LED CC, M12 CONNECTOR		$1,305	P
NER-011659720G	BACKLIGHT, MV, 100X200 B LED CC, M12 CONNECTOR		$1,305	P
NER-011659740G	BACKLIGHT, MV, 100X200 I LED CC, M12 CONNECTOR	IR	$1,205	P
Backlights 150X200 Continuous/Strobed				
NER-011659800G	BACKLIGHT, MV, 150X200 R LED CC, M12 CONNECTOR		$1,325	P
NER-011659810G	BACKLIGHT, MV, 150X200 W LED CC, M12 CONNECTOR		$1,425	P
NER-011659820G	BACKLIGHT, MV, 150X200 B LED CC, M12 CONNECTOR		$1,425	P
Backlights 200X250 &150X200 IR Continuous/Strobed				
NER-011659840G	BACKLIGHT, MV, 150X200 I LED CC, M12 CONNECTOR	IR	$1,325	P
NER-011659900G	BACKLIGHT, MV, 200X250 R LED CC, M12 CONNECTOR		$1,595	P
NER-011659910G	BACKLIGHT, MV, 200X250 W LED CC, M12 CONNECTOR		$1,695	P
NER-011659920G	BACKLIGHT, MV, 200X250 B LED CC, M12 CONNECTOR		$1,695	P
NER-011659940G	BACKLIGHT, MV, 200X250 I LED CC, M12 CONNECTOR	IR	$1,595	P
Power Supply/Controllers				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474	A
Power Supply Cordsets				
030-028300	AC Power Cord for DSPxx Power Supply, US		$61	A
030-028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
030-028500	AC Power Cord for DSPxx Power Supply, UK		$61	A
*Note: Can also be used to control intensity of continuous lights				
Backlight Accessories				
NER-030029100	M12 to Flying Leads Cable		$55	A

Tech Reference *Backlights*

Hardware Required

Item	Description	Part Number
1	Edge-To-Edge Series Backlights	NER-011659XXXG
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
3	NL-200 Series Lighting Controller	98-000152-0X
4	Cable 4 Pin M12 Female To Flying Leads	NER-030029100

Figure A
Edge-to-Edge Backlight Series Illuminator with power supply

Figure B
Edge-to-Edge Backlight Series Illuminator with NL-200 and power supply

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NERLITE® DOMELIGHTS
NERLITE Dome Lights provide practical and cost-effective solutions to illuminate shiny, bumpy surfaces.

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

Note: For basic applications continuous lights only require a light + power supply

Dome Lights Continuous			
PART #	DESCRIPTION	List Price	Type
NER-011600403	D-150, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	880	P
NER-011600411	D-150, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	$1,500	P
NER-011600421	D-150, B LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	$1,500	P
Power Supply Domes Continuous			
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply	$190	A
Power Supply Cordsets			
NER-030028300	AC Power Cord for DSPxx Power Supply, US	$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU	$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK	$61	A

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

Dome Lights Strobed			
PART #	DESCRIPTION	List Price	List
NER-011600402	D-150, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	$880	P
NER-011600412	D-150, W LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	$1,500	P
Power Supply/Controllers Domes Strobed			
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply	$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*	$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*	$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*	$1,474	A
Power Supply Cordsets			
NER-030028300	AC Power Cord for DSPxx Power Supply, US	$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU	$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK	$61	A

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Hardware Required

Item	Description	Part Number
1	Dome Series Illuminators	NER-0116004XX
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
3	NL-200 Series Lighting Controller	98-000152-0X
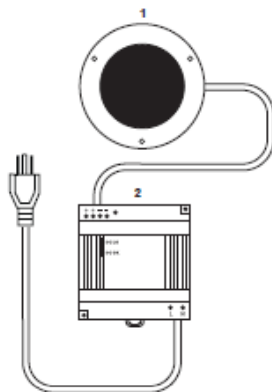
Figure A
Dome Light Series Illuminator
with power supply
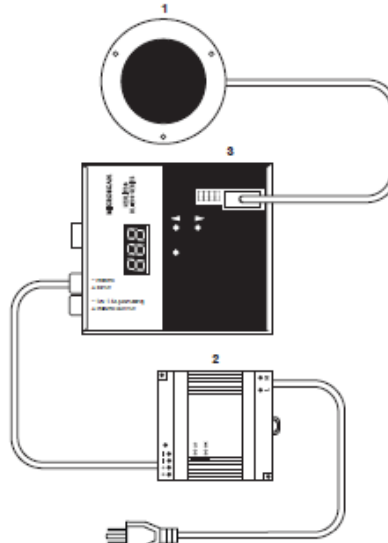
Figure B
Dome Light Series Illuminator
with NL-200 Controller and power supply

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NERLITE® DARKFIELD LIGHTS
NERLITE Darkfield Lights enhance the contrast of surface features (e.g. embossed or engraved marks).

| PART #	DESCRIPTION		List Price	Type
Darkfield 50 Continuous				
NER-011609311	DF-50, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$495	P
NER-011609321	DF-50, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$567	P
NER-011609331	DF-50 B LED-ND 24V-C 2M [6.6'] CBL W/DB9	🟦	$567	P
Darkfield 100 Continuous				
NER-011601520	DF-100-1, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$563	P
NER-011601521	DF-100-1, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$563	P
Darkfield 150 Continuous				
NER-011600020	DF-150-1, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$801	P
NER-011600031	DF-150-1, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$801	P
NER-011600070	DF-150-1, B LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$801	P
NER-011600021	DF-150-1, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$801	P
NER-011600041	DF-150-1, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$801	P
NER-011600208	DF-150-3, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,100	P
NER-011600206	DF-150-3, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$1,400	P
Darkfield 200 Continuous				
NER-011603300	DF-200-1, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,600	P
Power Supply Darkfields Continuous				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
Power Supply Cordsets				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A

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PART #	DESCRIPTION		List Price	Type
Darkfield 50 Strobed				
NER-011609312	DF-50, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$495	P
NER-011609322	DF-50, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$567	P
NER-011609332	DF-50 B LED-ND 24V-S 2M [6.6'] CBL W/DB9	🟦	$567	P
Darkfield 100 Strobed				
NER-011601502	DF-100-1, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$563	P
Darkfield 150 Strobed				
NER-011600004	DF-150-1, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$801	P
NER-011600032	DF-150-1, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$801	P
NER-011600080	DF-150-1, B LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$801	P
NER-011600007	DF-150-1, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$801	P
NER-011600042	DF-150-1, W LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$801	P
NER-011600209	DF-150-3, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,100	P
NER-011600207	DF-150-3, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$1,400	P
Darkfield 200 Strobed				
NER-011603301	DF-200-1, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,600	P
Power Supply/Controllers Darkfield Strobed				
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209	A
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803	A
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155	A
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474	A
Power Supply Cordsets				
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61	A
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61	A
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61	A

Tech Reference *Dark Field Lights*
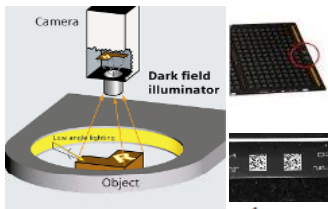
Hardware Required

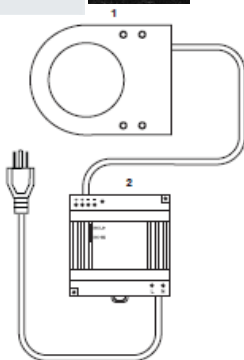| Item	Description	Part Number
1	DF Series Illuminators	NER-01160XXXX
2	Power Supply DSP60 24VDC 2.5A DIN Mount	NER-011504100
3	NL-200 Current Controller Series	98-000152-0X

Figure A
Dark Field Series Illuminator
with power supply

Figure B
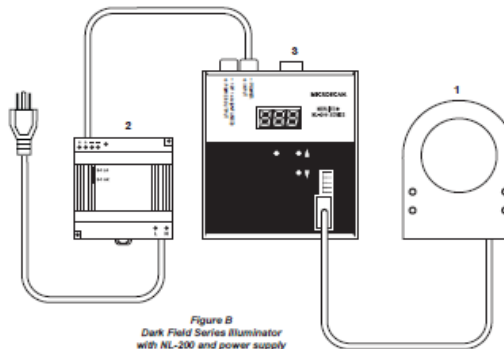Dark Field Series Illuminator
with NL-200 and power supply

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NERLITE® Accessories

Important Pricing Discount Note Product discounts are applied based on the Product TYPE as indicated in the TYPE column of each price sheet.

Two (2) Product Types are defined as follows: P = PRODUCT Discount or A = ACCESSORY Discount.

Refer to your Partner Agreement for the actual discount percentage by Product Type.

NERLITE Accessories

Part Number	Description	List Price	Type
99-035002601	Beam Splitter, DOAL-25 Red & Blue	$ 165	A
99-037000309	Beam Splitter, Custom DOAL-34X46 Red & Blue	$ 110	A
99-037012300	Beam Splitter, Custom CDI-219	$ 110	A
99-037009400	Beam Splitter, Custom DOAL-25 Blue/IR	$ 110	A
99-037000305	Beam Splitter, DOAL-75 Red & Blue	$ 110	A
99-037005002	Beam Splitter, DOAL-75 IR	$ 275	A
99-037000310	Beam Splitter, DOAL-100 Red & Blue	$ 110	A
99-037005001	Beam Splitter, DOAL-100 IR	$ 275	A
99-037011500	Beam Splitter, DOAL-50 Red & Blue	$ 110	A
99-037011501	Beam Splitter, DOAL-50 White	$ 110	A
99-037011502	Beam Splitter, DOAL-50 IR	$ 110	A
99-037000509	Beam Splitter, DOAL-100 White	$ 165	A
99-037000508	Beam Splitter, DOAL-75 White	$ 110	A
99-037000303	Beam Splitter, CDI-150 Red	$ 110	A
99-037012900	Beam Splitter, CDI-150 White	$ 110	A
99-035036100	Beam Splitter, CDI-200 Red	$ 165	A
99-035036200	Beam Splitter, CDI-200 White	$ 165	A
99-037000301	Beam Splitter, SCDI-25 Red	$ 110	A
99-037000503	Beam Splitter, SCDI-25 White	$ 110	A
99-035017500	Beam Splitter, SCDI-75 Red	$ 165	A
99-035002720	Beam Splitter, SCDI-75 White	$ 165	A
99-035030900	Beam Splitter, SCDI-50 Red	$ 165	A
99-035032000	Beam Splitter, SCDI-50 White	$ 165	A
99-035002701	Beam Splitter, DOAL 25 White	$ 165	A
99-037013100	Beam Splitter, OAL-50 UV	$ 275	A
99-035002707	Beam Splitter, DOAL 20 FO	$ 165	A
99-035006300	AR (Anti-Reflective) Cover, DOAL-25	$ 110	A
99-037012500	AR (Anti-Reflective) Cover, Custom CDI-219	$ 110	A
99-035006400	AR (Anti-Reflective) Cover, DOAL-75	$ 110	A
99-035006500	AR (Anti-Reflective) Cover, DOAL-100	$ 275	A
99-035028900	AR (Anti-Reflective) Cover, DOAL-50	$ 110	A
99-035000600	AR (Anti-Reflective) Cover, CDI-150 & CDI-200	$ 165	A
99-035002900	AR (Anti-Reflective) Cover, SCDI-75	$ 165	A
99-035031000	AR (Anti-Reflective) Cover, SCDI-50	$ 165	A
99-000055-01	Accessory, Bracket, DOAL 50 to MINI	$ 253	A
99-000056-01	Accessory, Bracket, DOAL 50 to QX Hawk	$ 253	A
99-000057-01	Accessory, Bracket, DOAL 75 to MINI	$ 253	A
99-000058-01	Accessory, Bracket, DOAL 75 to QX Hawk	$ 253	A
99-000059-01	Accessory, Bracket, DOAL 100 to MINI	$ 253	A
99-000060-01	Accessory, Bracket, DOAL 100 to QX Hawk	$ 253	A
99-000061-01	Accessory, Bracket, DOAL to C-Mount Hawk	$ 253	A
99-000050-01	Accessory, Bracket,R-100 TO QX Hawk	$ 138	A
99-000052-01	Accessory, Bracket,R-60/70 TO QX Hawk	$ 138	A
99-000053-01	Accessory, Bracket,R-60/70 TO MINI	$ 138	A
99-000054-01	Accessory, Bracket,R-100 TO MINI	$ 138	A
99-000049-01	Accessory, Bracket,R-100 TO C-MOUNT QX Hawk	$ 138	A
99-000051-01	Accessory, Bracket,R-60/70 TO C-MOUNT QX Hawk	$ 138	A
61-000204-01	Assy, Cable, Power Smart Series to QX-1	$ 204	A

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Product Demonstration Kits

For flexibility, many Microscan Demonstration Kits do not contain scanners, readers or cameras. These are indicated by * in the part number listing below and require a separate purchase of the desired reader or camera:

Demo Kits - Scanner / Camera Not Included*		
Part Number	**Description**	**List Price**
98-000055-05	Demo Kit, MS-3	$595
98-000077-13	Demo Kit, MS-Q (includes Bluetooth modem)	$695
98-000102-01	Demo Kit, QX 830/870	$595
98-000090-03	Demo Kit, MS-890	$595
98-000086-02	Demo Kit, Quadrus MINI	$655
98-000149-01	Demo Kit, QX Hawk	$595
98-000215-01	Demo Kit, AutoVISION - supports Vision MINI and Vision HAWK	$595
98-000214-01	Starter Kit, no VS-1 Camera, Lenses, P/S, Ring Light, Cbls, Demo Stand	$1,720
98-000216-01	NERLITE Smart Series Demo Kit (Lights Not Included)	$499
98-000199-01[†]	Visionscape GigE Demo Kit - SW Lic, No Camera, P/S, Trig Cble, Ethnt Cble, Lens	$3,505

* These kits are discounted 25% and require purchase of separate reader discounted 60%. Please visit the relevant product page.

[†] GigE cameras purchased in conjunction with a GigE Demo Kit are discounted 30%.

Demo Kits - Scanner / Camera Included**		
Part Number	**Description**	**List Price**
98-000097-02	MS-1 Demonstration Kit (Note: Kit contains 1 HD MS-1 and 1 LD MS-1)	$295
98-000095-02	Demo Kit, MS-Connect 210	$895
FIS-HEDPMDEMO	Demo Kit, HE1525 Verifier - w HE1525HD, P/S, cables, stand, verifier lic., stack light	$5,495
FIS-UIDDPMDEMO_01	Demo Kit, UID DPM Verifier	$9,995
FIS-UIDLDPDEMO_01	Demo Kit, UID LDP Verifier	$8,995
98-000139-01	Visionscape GigE Demo Kit - SW Lic, VGA CCD Cmra, P/S, Trig Cble, Ethnt Cble, Lens	$4,235
98-000207-01	NERLITE Starter Kit with HI-Brite, 24VDC	$5,490
98-000224-01	DEMO KIT, MS-2D, USB ENG, DECODE, TABS, INTFC BD, 12 IN RIBBON	$599
98-000224-02	DEMO KIT, MS-2D,SERIAL ENG, DECODE, TABS, INTFC BD, 12 IN RIBBON	$599

** No separate reader purchase required. These kits are discounted 25%.

NOTE: Demo kits are not available for HS-1, HS-2D and Mobile Hawk. A reader, specifically purchased as a demo unit will be discounted 50%.

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Service Price List
Repair or replace list prices, representative part number shown. Accessory discounts apply.

Auto ID Barcode Readers

Part Number	Description	List Price
FIS-0002-XXXX	MS-2 Repair	$200
FIS-0003-XXXX	MS-3 Repair	$450
FIS-0710-XXXX	MS-710 Repair	$450
FIS-0911-XXXX	MS-9 Repair	$500
FIS-0820-XXXX	MS-820 Repair	$500
FIS-0830-XXXX	QX-830 Repair	$550
FIS-0860-XXXX	MS-860 Repair	$600
FIS-0870-XXXX	QX 870 Repair	$650
FIS-0890-XXXX	MS-890 Repair	$650

Auto ID 2D Readers and Verifiers

Part Number	Description	List Price
FIS-0004-XXXX	MS-4 Repair	$550
FIS-6300-XXXX	MINI Repair	$550
FIS-6700-XXXX	Quadrus EZ Repair	$600
FIS-HE15-XXXX	Hawkeye 1500 Series Repair	$600
FIS-6800-XXXX	QX Hawk Repair	$600
FIS-6700-XXXX	Quadrus Verifier Repair	$700
FIS-UD20-XXXX	LDP Verifier Repair	$950
FIS-UD10-XXXX	DPM Verifier Repair	$950

Auto ID Handhelds

Part Number	Description	List Price
N/A	HS-1 & HS-2D Repair not available	N/A
FIS-6150-XXXX	MS-Q, MS-Q Quadrus, and HE40T Repair	$450
FIS-HT45-XXXX	HE45T Repair	$500
FIS-6170-XXXX	Mobile Hawk Repair	$550

Machine Vision

Part Number	Description	List Price
GMV-1HT16-XXXX	Visionscape Smart Camera (VS-1) Repair	$675
GMV-VS74-XXXX	Visionscape Framegrabber Board Repair/Replace (eg. VS740)	$3,000
GMV-6300-XXXX	Vision MINI Smart Camera Repair	$600
GMV-6800-XXXX	Vision HAWK Smart Camera Repair	$650

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NER Lighting

Part Number	Description	List Price
Call	NERLITE Repairs	Varies*
99-035002601	Beam Splitter, DOAL-25 Red & Blue	$ 165
99-037000309	Beam Splitter, Custom DOAL-34X46 Red & Blue	$ 110
99-037012300	Beam Splitter, Custom CDI-219	$ 110
99-037009400	Beam Splitter, Custom DOAL-25 Blue/IR	$ 110
99-037000305	Beam Splitter, DOAL-75 Red & Blue	$ 110
99-037005002	Beam Splitter, DOAL-75 IR	$ 275
99-037000310	Beam Splitter, DOAL-100 Red & Blue	$ 110
99-037005001	Beam Splitter, DOAL-100 IR	$ 275
99-037011500	Beam Splitter, DOAL-50 Red & Blue	$ 110
99-037011501	Beam Splitter, DOAL-50 White	$ 110
99-037011502	Beam Splitter, DOAL-50 IR	$ 110
99-037000509	Beam Splitter, DOAL-100 White	$ 165
99-037000508	Beam Splitter, DOAL-75 White	$ 110
99-037000303	Beam Splitter, CDI-150 Red	$ 110
99-037012900	Beam Splitter, CDI-150 White	$ 110
99-035036100	Beam Splitter, CDI-200 Red	$ 165
99-035036200	Beam Splitter, CDI-200 White	$ 165
99-037000301	Beam Splitter, SCDI-25 Red	$ 110
99-037000503	Beam Splitter, SCDI-25 White	$ 110
99-035017500	Beam Splitter, SCDI-75 Red	$ 165
99-035002720	Beam Splitter, SCDI-75 White	$ 165
99-035030900	Beam Splitter, SCDI-50 Red	$ 165
99-035032000	Beam Splitter, SCDI-50 White	$ 165
99-035002701	Beam Splitter, DOAL 25 White	$ 165
99-037013100	Beam Splitter, OAL-50 UV	$ 275
99-035002707	Beam Splitter, DOAL 20 FO	$ 165
99-035006300	AR (Anti-Reflective) Cover, DOAL-25	$ 165
99-037012500	AR (Anti-Reflective) Cover, Custom CDI-219	$ 165
99-035006400	AR (Anti-Reflective) Cover, DOAL-75	$ 165
99-035006500	AR (Anti-Reflective) Cover, DOAL-100	$ 165
99-035028900	AR (Anti-Reflective) Cover, DOAL-50	$ 165
99-035000600	AR (Anti-Reflective) Cover, CDI-150 & CDI-200	$ 165
99-035002900	AR (Anti-Reflective) Cover, SCDI-75	$ 165
99-035031000	AR (Anti-Reflective) Cover, SCDI-50	$ 165

*Contact Microscan service for specific pricing.

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Legacy Products
Note: These products are not recommended for new applications, but are still actively shipping and supported.

MS-1 (16 bit) Series Scan Engine

Part Number	Description	List Price
FIS-0001-8001G	CCD Scan Engines, Low Density, 16 bit, 8-pack	$1,240
FIS-0001-8002G	CCD Scan Engines, High Density, 16 bit, 8-pack	$1,240

MS-2 (16 bit)

Part Number	Description	List Price
FIS-0002-0001G	MS-2, CCD, 16 bit, Low Density	$515
FIS-0002-0002G	MS-2, CCD, Low Density, 16 bit, Right Angle	$625
FIS-0002-0003G	MS-2, CCD, 16 bit, High Density	$515
FIS-0002-0004G	MS-2, CCD, High Density, 16 bit, Right Angle	$625
61-000143-01	Firmware Upgrade Adapter for MS-2, 16 bit	$30

MS-3

Part Number	Description	List Price
FIS-0003-0017G	Laser, Single Line, Low Density, PDF	$1,050
FIS-0003-0018G	Laser, Single Line, High Density, PDF	$1,050
FIS-0003-0021G	Laser, Single Line, Low Density, Right Angle, PDF	$1,166
FIS-0003-0022G	Laser, Single Line, High Density, Right Angle, PDF	$1,166
FIS-0003-0023G	Laser, Raster, Low Density, Right Angle, PDF	$1,218
FIS-0003-0024G	Laser, Raster, High Density, Right Angle, PDF	$1,218
FIS-0003-0025G	Laser, Single Line, Low Density, 6" Cable, PDF	$1,050
FIS-0003-0026G	Laser, Single Line, High Density, 6" Cable, PDF	$1,050
FIS-0003-0027G	Laser, Raster, Low Density, 6" Cable, PDF	$1,103
FIS-0003-0029G	Laser, Single Line, Low Density, Right Angle, 6" Cable, PDF	$1,166
FIS-0003-0030G	Laser, Single Line, High Density, Right Angle, 6" Cable, PDF	$1,166
FIS-0003-0031G	Laser, Raster, Low Density, Right Angle, 6" Cable, PDF	$1,218
FIS-0003-0032G	Laser, Raster, High Density, Right Angle, 6" Cable, PDF	$1,218
FIS-0003-0034G	Laser, Single Line, High Density, VS-310 Replacement	$935
FIS-0003-0035G	Laser, Raster, Low Density, VS-310 Replacement	$987
FIS-0003-0039G	Laser, Raster, Low Density, Keyence Replacement	$935

MS-710

Part Number	Description	List Price
FIS-0710-0001G	SCANNER,VIS,SL,RS232,BASE MNT.	$1,750
FIS-0710-0002G	SCANNER,VIS,SL,RS232,RAD,BASE MNT.	$1,810
FIS-0710-0005G	SCANNER, VIS, RASTER, RS232, BASE MOUNT	$1,750
FIS-0710-0006G	SCANNER,VIS,RASTER,RS232,RAD,BASE ,MNT.	$1,810
FIS-0710-0010G	SCANNER, VIS, SL, RS232, RAD, CASE MOUNT	$1,840
FIS-0710-0019G	SCANNER,VIS,RASTER,HD,RS232,CASE MNT.	$1,750
FIS-0710-0022G	SCANNER,VIS,SL,HD,RS232,BASE MNT.	$1,750
FIS-0710-0023G	SCANNER,VIS,RASTER,HD,RS232,BASE MNT.	$1,750
FIS-0710-0025G	SCANNER, VIS, RSTR, HD, RS232, RAD, BASE	$1,810
FIS-0710-0035G	SCANNER,VIS,SL,RS232,BASE MNT, SP. SW	$1,750
FIS-0710-0037G	SCANNER,VIS,RASTER,HD,RS232,RAD,BASE MNT	$1,810

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MS-820

Part Number	Description	List Price
FIS-0820-0001G	SCANNER,VIS,SL,LD	$1,750
FIS-0820-0002G	SCNR,VIS,SL,HD	$1,750
FIS-0820-0003G	SCNR,VIS,RASTER,LD	$1,860
FIS-0820-0004G	SCNR,VIS,RASTER,HD	$1,860
FIS-0820-0009G	SCANNER, VIS, SL, MD	$1,750
FIS-0820-0010G	SCNR,VIS,RASTER,MD	$1,860
FIS-0820-0011G	SCANNER,VIS,SL,NHD	$1,750
FIS-0820-0012G	SCNR,VIS,RASTER,NHD	$1,860
FIS-0820-0014G	SCNR,VIS,RASTER,UHD	$1,860
FIS-0820-0015G	SCNR,VIS,RASTER,MD,SP.SW(Pharmacode)	$1,860
FIS-0820-0017G	SCNR,VIS,SL,LD,HT	$1,860
FIS-0820-0018G	SCNR,VIS,RASTER,LD,HT	$1,980

Quadrus MINI Series

Part Number	Description	List Price
FIS-6300-2005G	MINI,3MP,SD,232/422/485,5VDC,QMODE	$2,511
FIS-6300-2006G	MINI,3MP,MICRO D,232/422/485,5VDC,QMODE	$2,511
FIS-6300-2007G	MINI,3MP,SD,USB,5VDC,QMODE	$2,590
FIS-6300-2001G	3 Megapixel Imager, Standard Density, Serial, 5VDC	$2,860
FIS-6300-2002G	3 Megapixel Imager, Micro Density, Serial, 5VDC	$2,860
FIS-6300-2009G	3 Megapixel Imager, Standard Density, USB+I/O, 5VDC *	$2,960
FIS-6300-2010G	3 Megapixel Imager, Micro Density, USB+I/O, 5VDC *	$2,960
FIS-6300-4001G	MINI Hawk High Res, Standard Density, Serial, 5VDC	$2,390
FIS-6300-4002G	MINI Hawk High Res, High Density, Serial, 5VDC	$2,390
FIS-6300-4003G	MINI Hawk High Res, Ultra High Density, Serial, 5VDC	$2,390
FIS-6300-4004G	MINI Hawk High Res, Standard Density, USB+I/O, 5VDC*	$2,470
FIS-6300-4005G	MINI Hawk High Res, High Density, USB+I/O, 5VDC*	$2,470
FIS-6300-4006G	MINI Hawk High Res, Ultra High Density, USB+I/O, 5VDC*	$2,470
FIS-6300-5001G	MINI Hawk High Speed, Standard Density, Serial, 5VDC	$2,390
FIS-6300-5002G	MINI Hawk High Speed, Ultra High Density, Serial, 5VDC	$2,390
FIS-6300-5003G	MINI Hawk High Speed, Standard Density, USB+I/O, 5VDC*	$2,470
FIS-6300-5004G	MINI Hawk High Speed, Ultra High Density, USB+I/O, 5VDC*	$2,470

NERLITE LALL 22X288 Continuous/Stobed

PART #	DESCRIPTION	List Price
NER-011655904	LALL-22x288, R1LED-ND10/P, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$1,040
NER-011655914	LALL-22x288, W1LED-ND10/P, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$1,040
NER-011654903	LALL-22x288, R1LED-ND10, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$990
NER-011654913	LALL-22x288, W1LED-ND10, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$990
NER-011654909	LALL-22x288, R1LED-ND50,CC, 4.5M (15 ft.) Cbl w/Flying Leads	$990
NER-011654919	LALL-22x288, W1LED-ND50, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$990
NER-011658009	LA-288, R1LED-F, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$1,040
NER-011658313	LA-288, W3 LED-F, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$1,040

NERLITE LALL 47X47 Continuous/Stobed

PART #	DESCRIPTION	List Price
NER-011655009	LALL-47x47, R1 LED-ND50,CC, 4.5M (15 ft.) Cbl w/Flying Leads	$700
NER-011655014	LALL-47x47, W1LED-ND50, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$700
NER-011655003	LALL-47x47, R1LED-ND10, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$700
NER-011655013	LALL-47x47, W1LED-ND10, CC, 4.5M (15 ft.) Cbl w/Flying Leads	$700

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NERLITE Legacy Controllers

Part Number	Description	List Price
NER-011503300	PP600 2-CHNL PUSH BUTTON MV LIGHTING CURRENT CONTROLLER	$860
NER-011503301	PP610 2 CHNL RS232 MV LIGHTING CURRENT CONTROLLER	$1,220
NER-011503800	LC-50, 0.35A CC Drvr, Term Blk, Input 40VDC Max	$210
NER-011503850	LC-100, 0.35A CC Drvr, Term Blk, Input 40VDC Max, w/ Intensity Adjust	$375
NER-011503801	LC-50, 0.7A CC Drvr, Term Blk, Input 40VDC Max	$210
NER-011503851	LC-100, 0.7A CC Drvr, Term Blk, Input 40VDC Max, w/ Intensity Adjust	$375
NER-011503802	LC-50, 1.05A CC Drvr, Term Blk, Input 40VDC Max	$210
NER-011503852	LC-100, 1.05A CC Drvr, Term Blk, Input 40VDC Max, w/ Intensity Adjust	$375
NER-011503803	LC-50, 1.4A CC Drvr, Term Blk, Input 40VDC Max	$375

DOAL 25 mm Continuous

Part Number	Description		List Price
NER-011201305	DOAL-25, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(red)	$500
NER-011201313	DOAL-25, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(white)	$575

DOAL 50 mm Continuous

Part Number	Description		List Price
NER-011200814	DOAL-50 V2, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(red)	$615
NER-011200824	DOAL-50 V2, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(white)	$870
NER-011200834	DOAL-50 V2, B LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(blue)	$870
NER-011200892	DOAL-50 V2, IR LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$870
NER-011208800	OAL-50 V2, UV LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	UV	$1,070

DOAL 75 mm Continuous

Part Number	Description		List Price
NER-011200502	DOAL-75, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(red)	$1,195
NER-011204902	DOAL-75, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(white)	$1,950
NER-011205720	DOAL-75, B LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(blue)	$1,950
NER-011200506	DOAL-75, IR LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$1,950

DOAL 100 mm Continuous

Part Number	Description		List Price
NER-011200602	DOAL-100, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(red)	$1,350
NER-011204601	DOAL-100, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(white)	$2,510
NER-011204610	DOAL-100, B LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	(blue)	$2,510
NER-011200603	DOAL-100, IR LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$2,510

DOAL Power Supply (25, 50,75, 100 mm continuous)

Part Number	Description	List Price
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply	$209

DOAL Power Supply Cordsets

Part Number	Description	List Price
NER-030028300	AC Power Cord for DSPxx Power Supply, US	$61
NER-030028400	AC Power Cord for DSPxx Power Supply, EU	$61
NER-030028500	AC Power Cord for DSPxx Power Supply, UK	$61

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

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DOAL 25 mm Strobe			
Part Number	Description		List Price
NER-011201314	DOAL-25, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$500

DOAL 50 mm Strobe			
NER-011200812	DOAL-50 V2, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$615
NER-011200822	DOAL-50 V2, W LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$870
NER-011200832	DOAL-50 V2, B LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$870
NER-011200897	DOAL-50 V2, IR LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$870
NER-011208801	OAL-50 V2, UV LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	UV	$1,070

DOAL 75 mm Strobe			
NER-011200501	DOAL-75, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,195
NER-011204901	DOAL-75, W LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$1,950
NER-011205721	DOAL-75, B LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$1,950
NER-011200507	DOAL-75, IR LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$1,950

DOAL 100 mm Strobe			
NER-011200601	DOAL-100, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,350
NER-011204600	DOAL-100, W LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$2,510
NER-011204611	DOAL-100, B LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$2,510
NER-011200605	DOAL-100, IR LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	IR	$2,510

DOAL Power Supply/Controllers		
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply	$209
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*	$803
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*	$1,155
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*	$1,474

DOAL Power Supply Cordsets		
030-028300	AC Power Cord for DSPxx Power Supply, US	$61
030-028400	AC Power Cord for DSPxx Power Supply, EU	$55
030-028500	AC Power Cord for DSPxx Power Supply, UK	$55

RING 60 mm Continuous			
Part Number	Description		List Price
NER-011605010	R-60-2, R LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$392
NER-011605040	R-60-2, W LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$486
NER-011605070	R-60-2, B LED-ND/D, 24V-C 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$486
NER-011605098	R-60-2, IR LED-ND/D, 24V-C 4.5M (15 ft.) Cbl w/Flying Leads	IR	$468

RING 70 mm Continuous			
NER-011604810	R-70-2, R LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$392
NER-011604840	R-70-2, W LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$486
NER-011604870	R-70-2, B LED-ND/D, 24V-C 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$486
NER-011604898	R-70-2, IR LED-ND/D, 24V-C 4.5M (15 ft.) Cbl w/Flying Leads	IR	$486
NER-011605891	R-70, UV LED, 24V-C 4.5M [15FT] Cbl w/Flying Leads	UV	$486

RING 100 mm Continuous			
NER-011607016	R-100-2 V2, R LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$509
NER-011607046	R-100-2 V2, W LED-ND/D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$662
NER-011607070	R-100-2 V2, B LED-ND/D, 24V-C 4.5M (15 ft.) Cbl w/Flying Leads	🟦	$662
NER-011607099	R-100-2 V2, IR LED-ND/D, 24V-C 4.5M (15 ft.) Cbl w/Flying Leads	IR	$662

Power Supply (60, 70, 100 mm continuous)		
Part Number	Description	List Price
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply	$209

Power Supply Cordsets		
NER-030028300	AC Power Cord for DSPxx Power Supply, US	$61
NER-030028400	AC Power Cord for DSPxx Power Supply, EU	$61
NER-030028500	AC Power Cord for DSPxx Power Supply, UK	$61

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

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RING 60 mm Strobe

Part Number	Description		List Price
NER-011605020	R-60-2, R LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	(red)	$392
NER-011605050	R-60-2, W LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	(white)	$486
NER-011605080	R-60-2, B LED-ND/D, 24V-S 4.5M (15 ft.) Cbl w/Flying Leads	(blue)	$486
NER-011605099	R-60-2, IR LED-ND/D, 24V-S 4.5M (15 ft.) Cbl w/Flying Leads	IR	$486

RING 70 mm Strobe

Part Number	Description		List Price
NER-011604820	R-70-2, R LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	(red)	$392
NER-011604850	R-70-2, W LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	(white)	$486
NER-011604880	R-70-2, B LED-ND/D, 24V-S 4.5M (15 ft.) Cbl w/Flying Leads	(blue)	$486
NER-011604899	R-70-2, IR LED-ND/D, 24V-S 4.5M (15 ft.) Cbl w/Flying Leads	IR	$486
NER-011605897	R-70, UV LED, 24V-S 4.5M [15FT] Cbl w/Flying Leads	UV	$486

RING 100 mm Strobe

Part Number	Description		List Price
NER-011607020	R-100-2 V2, R LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	(red)	$509
NER-011607050	R-100-2 V2, W LED-ND/D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	(white)	$662
NER-011607080	R-100-2 V2, B LED-ND/D, 24V-S 4.5M (15 ft.) Cbl w/Flying Leads	(blue)	$662
NER-011607095	R-100-2 V2, IR LED-ND/D, 24V-S 4.5M (15 ft.) Cbl w/Flying Leads	IR	$662

Power Supply/Controllers

Part Number	Description	List Price
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply	$209
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*	$803
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*	$1,155
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*	$1,474

Power Supply Cordsets

Part Number	Description	List Price
030-028300	AC Power Cord for DSPxx Power Supply, US	$61
030-028400	AC Power Cord for DSPxx Power Supply, EU	$55
030-028500	AC Power Cord for DSPxx Power Supply, UK	$55

*Note: Can also be used to control intensity of continuous lights

NERLITE® RING LIGHT ACCESSORIES

Note: For mounting and alternate focused optics use the following

60 mm Mounts and Optics

Part Number	Description	List Price
NER-080108200	R-60 V2 Lens Adapter 25.5 mm X 0.50 mm	$40
NER-080108201	R-60 V2 Lens Adapter 27.0 mm X 0.50 mm	$40
NER-080108203	R-60 V2 Lens Adapter 30.5 mm X 0.50 mm	$40
NER-080108202	R-60 V2 Lens Adapter 40.5 mm X 0.50 mm	$40
NER-080108205	R-60 V2 Lens Adapter 46.0 mm X0.75 mm	$40
NER-035026202	Fresnel (focusing) Lens, R-60 V2, FL = 70mm	$100
NER-035026203	Fresnel (focusing) Lens, R-60 V2, FL = 102mm	$100
NER-035026204	Fresnel (focusing) Lens, R-60 V2, FL = 127mm	$100

70 mm Mounts and Optics

Part Number	Description	List Price
NER-080103900	R-70 V2 Lens Adapter 25.5 mm X 0.50 mm	$40
NER-080092600	R-70 V2 Lens Adapter 27.0 mm X 0.50 mm	$40
NER-080092501	R-70 V2 Lens Adapter 30.5 mm X 0.50 mm	$40
NER-080092500	R-70 V2 Lens Adapter 40.5 mm X 0.50 mm	$40
NER-035025202	Fresnel (focusing) Lens, R-70 V2, FL = 70mm	$100
NER-035025203	Fresnel (focusing) Lens, R-70 V2, FL = 102mm	$100
NER-035025204	Fresnel (focusing) Lens, R-70 V2, FL = 127mm	$100

100 mm Mounts and Optics

Part Number	Description	List Price
NER-080114000	R-100 V2 Lens Adapter 25.5 mm X 0.50 mm	$40
NER-080114001	R-100 V2 Lens Adapter 27.0 mm X 0.50 mm	$60
NER-080114002	R-100 V2 Lens Adapter 30.5 mm X 0.50 mm	$60
NER-080114003	R-100 V2 Lens Adapter 40.5 mm X 0.50 mm	$60
NER-035027602	Fresnel (focusing) Lens R-100 V2, FL = 70mm	$100
NER-035027603	Fresnel (focusing) Lens R-100 V2, FL = 102mm	$100
NER-035027604	Fresnel (focusing) Lens R-100 V2, FL = 127mm	$100
NER-035027605	Fresnel (focusing) Lens R-100 V2, FL = 152mm	$110

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NERLITE® AREA SPOT ARRAYS

Part Number	Description		List Price
Spot 40mm Continuous			
NER-011650320	S-40, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$311
NER-011650323	S-40, R LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$311
NER-011651220	S-40, W LED-ND, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$369
Power Supply (60, 70, 100 mm continuous)			
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209
Power Supply Cordsets			
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61
Spot 40mm Strobed			
NER-011650305	S-40, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$311
NER-011651211	S-40, W LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$369
NER-011650304	S-40, R LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$311
NER-011651204	S-40, W LED-ND, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$369
Power Supply/Controllers			
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*		$803
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*		$1,155
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*		$1,474
Power Supply Cordsets			
030-028300	AC Power Cord for DSPxx Power Supply, US		$61
030-028400	AC Power Cord for DSPxx Power Supply, EU		$55
030-028500	AC Power Cord for DSPxx Power Supply, UK		$55

NERLITE® SCDI®

Part Number	Description		List Price
25 mm Continuous			
NER-011301300	SCDI-25, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$908
NER-011301302	SCDI-25, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$1,210
50 mm Continuous			
NER-011304004	SCDI-50 V2, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,513
NER-011304014	SCDI-50 V2, W LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	⬜	$1,678
75 mm Continuous			
NER-011302005	SCDI-75, R LED-D, 24V-C, 4.5M (15 ft.) Cbl w/Flying Leads	🟥	$1,639
NER-011302012	SCDI-75, W LED-D, 24V-C, 4.5M (15 ft.') Cbl w/Flying Leads	⬜	$2,173
Power Supply (25, 50,75 mm continuous)			
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply		$209
Power Supply Cordsets			
NER-030028300	AC Power Cord for DSPxx Power Supply, US		$61
NER-030028400	AC Power Cord for DSPxx Power Supply, EU		$61
NER-030028500	AC Power Cord for DSPxx Power Supply, UK		$61

Note: For high speed or high intensity applications strobed lights require a light + controller + power supply

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25 mm Strobe

Part Number	Description		List Price
NER-011301301	SCDI-25, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$908

50 mm Strobe

Part Number	Description		List Price
NER-011304002	SCDI-50 V2, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$1,513
NER-011304012	SCDI-50 V2, W LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$1,678

75 mm Strobe

Part Number	Description		List Price
NER-011302001	SCDI-75, R LED-D, 24V-S, 4.5M (15 ft.) Cbl w/Flying Leads		$1,490

Power Supply/Controllers

Part Number	Description	List Price
NER-011504100	DSP60 24VDC 2.5A DIN Mount Power Supply	$209
98-000152-01	NL200 Lighting Controller (Front Panel Control Only)*	$803
98-000152-02	NL220 Lighting Controller (Ethernet Control Only)*	$1,155
98-000152-03	NL220F Lighting Controller (Ethernet Control Only with Fast Strobe Capability)*	$1,474

Power Supply Cordsets

Part Number	Description	List Price
030-028300	AC Power Cord for DSPxx Power Supply, US	$61
030-028400	AC Power Cord for DSPxx Power Supply, EU	$61
030-028500	AC Power Cord for DSPxx Power Supply, UK	$61

GigE Cameras

Part Number	Description	List Price
98-000113-01	Visionscape GigE Camera - WVGA Mono CMOS (CMGC03 - 752 x 480 pixels)	$1,200
98-000114-01	Visionscape GigE Camera - WVGA Color CMOS (CMGC03C - 752 x 480 pixels)	$1,200

Visionscape PC Boards and Software

Part Number	Description	List Price
GMV-VS81-0FP0	VISIONSCAPE 0800 PCI BOARD, INCLUDES VISIONSCAPE SOFTWARE	$7,495

HawkEye 1500 Readers

Part Number	Description	List Price
FIS-HE15-0CS0	HAWKEYE 1510 DPM READER CS/C MOUNT LENS*	$3,495
FIS-HE15-1HD0	HAWKEYE 1515HD DPM READER ON AXIS LIGHT	$3,495
FIS-HE15-1LD0	HAWKEYE 1515LHD DPM READER ON AXIS LIGHT	$3,995
FIS-HE15-1MD0	HAWKEYE 1515MD DPM READER ON AXIS LIGHT	$3,995
FIS-HE15-1SD0	HAWKEYE 1515SHD DPM READER ON AXIS LIGHT	$3,995
FIS-HE15-1UD0	HAWKEYE 1515UHD DPM READER ON AXIS LIGHT	$3,995
FIS-HE15-2HD0	HAWKEYE 1525HD DPM READER DARK FIELD LIGHT	$3,995
FIS-HE15-2SD0	HAWKEYE 1525SHD DPM READER DARK FIELD LIGHT	$3,995
FIS-HE15-2UD0	HAWKEYE 1525UHD DPM READER DARK FIELD LIGHT	$3,995
FIS-E1515VLHD	HAWKEYE 1515VLHD VLNG-DEN BRIGHT FIELD READER	$3,995
FIS-E1515HDXL	HAWKEYE 1515HD WITHOUT LASER	$3,695

All HE 15XX readers come with base mount adaptor and serial cable standard. All that is needed is a power supply.

HawkEye 1500 Verifiers

Part Number	Description	List Price
FIS-HE15-1HV0	HAWKEYE 1515HD DPM VERIFIER ON AXIS LIGHT*[1]	$4,995
FIS-HE15-1LV0	HAWKEYE 1515LHD DPM VERIFIER ON AXIS LIGHT*[1]	$4,995
FIS-HE15-1MV0	HAWKEYE 1515MD DPM VERIFIER ON AXIS LIGHT*[1]	$5,495
FIS-HE15-1SV0	HAWKEYE 1515SHD DPM VERIFIER ON AXIS LIGHT*[1]	$5,495
FIS-HE15-1UV0	HAWKEYE 1515UHD DPM VERIFIER ON AXIS LIGHT* [1]	$5,495
FIS-HE15-2CV0	HAWKEYE 1510 DPM VERIFIER CS/C MOUNT LENS* [1]	$5,495
FIS-HE15-2HV0	HAWKEYE 1525HD DPM VERIFIER DARK FIELD LIGHT*[1]	$5,495
FIS-HE15-2SV0	HAWKEYE 1525SHD DPM VERIFIER DARK FIELD LIGHT*[1]	$5,495
FIS-HE15-2UV0	HAWKEYE 1525UHD DPM VERIFIER DARK FIELD LIGHT*[1]	$5,495

[1] Verifier versions support ISO 16022, ISO15416, Custom Verification, and AIM DPM – 1 – 2006

All HE 15XX readers come with base mount adaptor and serial cable standard. All that is needed is a power supply.

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HawkEye 1500 Accessories		
Part Number	Description	List Price
98-AC00-0BM5	HAWKEYE 1500 BASE MOUNTING ADAPTER	$50
98-AC00-0EB0	HAWKEYE 1500 IO EXPANSION BOARD	$715
98-AC00-0EC5	HAWKEYE 1500 IP65 ENCLOSURE GLASS WINDOW	$1,643
98-AC00-0EC6	HAWKEYE 1500 IP65 ENCLOSURE PCARB WINDOW	$1,643
98-AC00-0PC6	HAWKEYE1500 PWR CABLE FLYING LEADS 2 METERS	$105
98-AC00-0SA0	3 COLOR LIGHT STACK CONNECTS TO HAWKEYE 1500	$544
98-AC00-0SC0	HAWKEYE 1500 SERIAL COMMUNICATIONS CABLE	$39
98-HESC010	CABLE, HAWKEYE 1500 SERIAL INTERFACE 10FT	$45
98-HEDSL	HAWKEYE 1500/1600 DEMO STAND W/LG SHAFT	$260
98-HE15-0PS0	HAWKEYE 1500 POWER SUPPLY 24V100-250V 50-60 HZ	$155
98-LG00-0XX0	HAWKEYE 1500 LIGHT - LED RING LIGHT 25.5MM MOUNT *	$544
98-LG14-0XX0	HAWKEYE 1500 LIGHT MOUNT - DF100 OR DF150 (HELTMA 1L-M) *	$347
98-LG15-0XX0	HAWKEYE 1500 LIGHT MOUNT- R100 RING (HELTMA 2L-M) *	$373
98-LG16-0XX0	HAWKEYE 1500 LIGHT MOUNT- R60 RING (HELTMA 3L-M)*	$315
98-LG17-0XX0	HAWKEYE 1500 LIGHT MOUNT-DOAL 50 (HELTMA 4L-M) *	$325
98-LG18-0XX0	HAWKEYE 1500 STROBE INTERFACE KIT *	$1,056
98-HEDS	HAWKEYE DEMO STAND	$235
98-HECONNPS	HAWKEYE 1500 POWER SUPPLY CONNECTOR	$22
98-HECONNIO	I/O CONNECTOR & GRND TAB KIT FOR HAWKEYE 1500	$39
98-HEBMA4	HAWKEYE 15 TO HAWKEYE 1515 BASE MOUNT ADAPTER	$83
98-99000561	DIN-RAIL MOUNTED EXT I/O TERMINAL BLOCK	$116
98-96601833	EXTERNAL I/O INTERFACE CABLE 25 FEET	$82
98-96601832	EXTERNAL I/O INTERFACE CABLE 15 FEET	$67
98-96601831	EXTERNAL I/O INTERFACE CABLE 10 FEET	$61
NER-011601504	HAWKEYE 1510 RED DF LIGHT - DF100 DARK FIELD, RED LED, 12V-C, MOLEX CON*	$563
NER-011605096	HAWKEYE 1510 RED RING LIGHT - R60 V2 RING, RED LED, 12V-C, MOLEX CON*	$392
NER-011604805	HAWKEYE 1510 RED RING LIGHT - R70-2 V2 RING, RED LED, 12V-C, MOLEX CON*	$392
NER-011607006	HAWKEYE 1510 RED RING LIGHT - R100-2 V2 RING, RED LED, 12V-C, MOLEX CON*	$509
NER-011200913	HAWKEYE 1510 RED DOAL LIGHT - DOAL-50 V2, RED LED-D,12V-C,MOLEX CON *	$615
NER-011200935	HAWKEYE 1510 BLUE DOAL LIGHT - DOAL-50 V2, BLUE LED-D,12V-C, MOLEX CON	$615
NER-011023801	HAWKEYE 1515 - BRIGHTFIELD, BLUE LED-F, 10V-C	$615
98-UA10-0CC0	UID CALIBRATION TEST CARD	$159
FIS-HEDPMVER-A0	HE DPM VERIFIER LICENSE ONLY [A]	$1,500
FIS-HEDPMDEMO**	Demo Kit, HE1525 Verifier - w HE1525HD, P/S, cables, stand, verifier lic., stack light	$5,495
Visionscape I-PAK		
Part Number	Description	List Price
GMV-IP16-0HE1	I-PAK HE Pharma Industry 21 CFR part 11 GUI for VS-1 Smart Camera, V 3.7.3	$1,095

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