



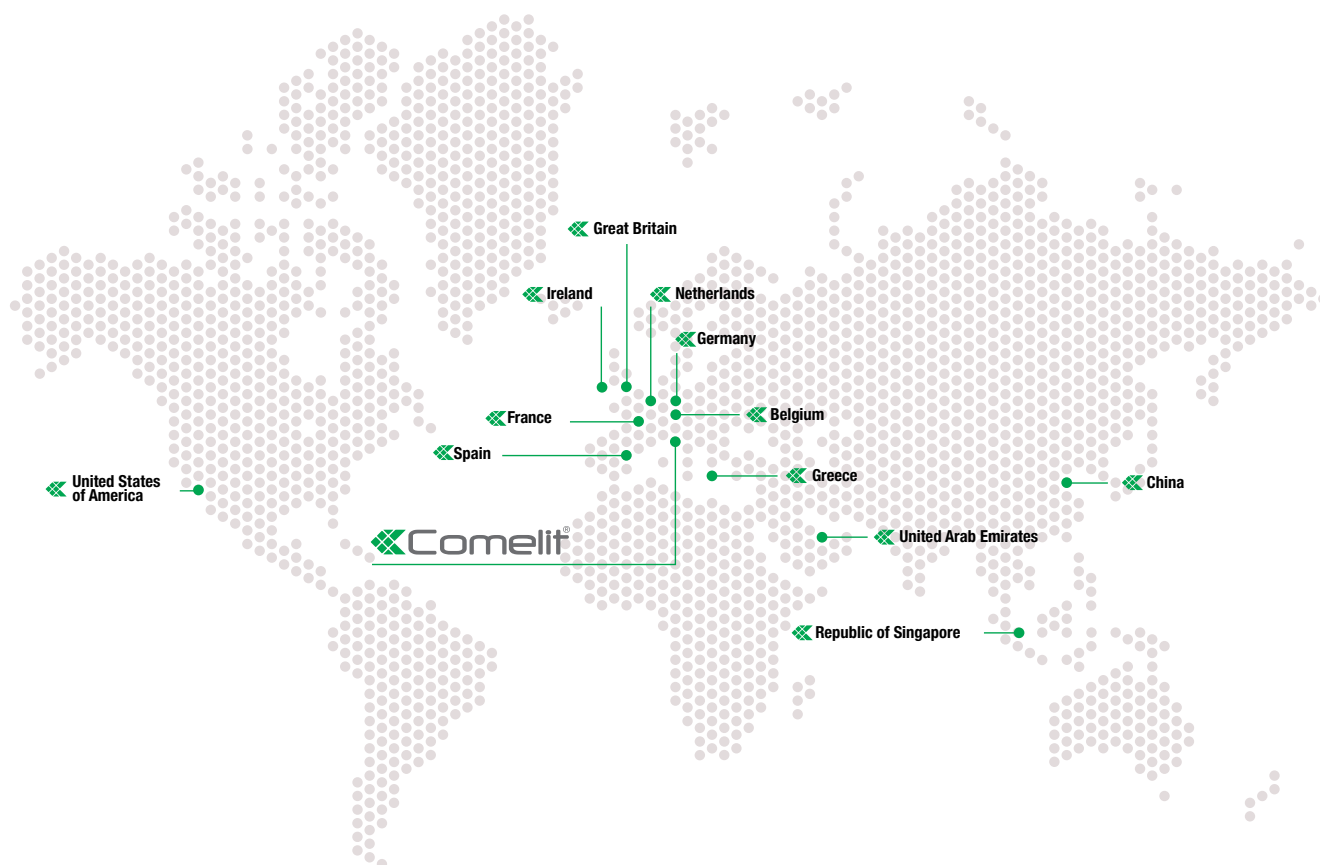
## VIDEO SURVEILLANCE CATALOGUE 2014



Security systems and technologies form an integral part of Comelit's experience. Over the course of its history, Comelit has attained the highest levels of know-how in a range of areas, including video entry, video surveillance, anti-intrusion, home automation and access control fields.

## **VIDEO SURVEILLANCE** **COMELIT: TOP** **PERFORMANCE** **FOR YOUR SECURITY**





## COMELIT R&D, the driving force behind our innovation

Comelit video surveillance systems are reliable and durable. They meet the highest quality standards, which is why they are chosen by the leading industry professionals for installation in a wide variety of applications: civil, residential, public and commercial.



# Integration of Comelit systems



## Video surveillance

SimpleCCTV, a comprehensive range of products for video surveillance. Analogue, IP, HD-SDI.



## Access control

SimpleKey access control system featuring Mifare technology.





## Anti-intrusion

SimpleSafe, a complete system capable of fulfilling all security requirements with wired systems or via radio.



## Home automation

SimpleHome, an automation system for complete management which helps to reduce consumption while increasing security and comfort.



## Video entry

SimpleVideo: 2-wire and digital IP systems, the best technical solution for responding to all application requirements.

## Services

Responding to market dynamics and installer feedback, anticipating and interpreting users expectations: at Comelit these factors are just as important and strategic as the technological innovation and reliability of our products. That's

why Comelit has set up and activated a network of services that confirm our role as a proactive partner capable of going beyond the standard solutions that make up our product range.

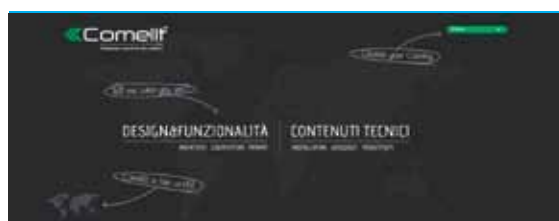


## Technical Support

Professional telephone assistance to solve all types of problems.

## SATCO Assisted Programming

Support given to installers for testing and assistance with problem-solving of all kinds. Expert professionals covering different geographical areas and specialising in Comelit products.



**Comelit**  
**Engineering**  
Division of Comelit Group S.p.A.

An operative division entirely dedicated to providing customers with ideal solutions for non-standard system requirements. This division develops turnkey projects, primarily for large residential, business and industrial complexes.

## Web

[www.comelitgroup.com](http://www.comelitgroup.com)

Comelit's website provides a comprehensive resource for consultation, with technical and commercial information to assist installers. A point of reference active 24h/24h, 365 days a year, to obtain practical answers, request assistance and receive advice, etc.

# Training

## WHAT IS IT?

Comelit Training School is the initiative dedicated to training and refresher courses created by the company, aimed at the constant development of the professional culture within the electrical installation sector.

## WHAT DOES IT OFFER?

Training at the Comelit Training School includes courses, seminars and other activities that combine theoretical content with the practical application thereof, with the following aims:

- specialising in areas of home automation, video entry systems, anti-intrusion and video surveillance - increasing familiarity with Comelit systems and their application, as well as allowing independent management of the planning and installation phases
- providing information on the most up-to-date system solutions, capable of optimising energy savings and bringing additional value to property and buildings
- developing sales communication skills for effective handling of customer relations

## WHO IS IT AIMED AT?

Installers, architects, specifiers and electronics professionals.

## HOW ARE THE COURSES RUN?

Training activities are grouped into Basic and Advanced courses. Basic courses largely revolve around theoretical notions and the introduction of Comelit products/systems. Advanced courses, on the other hand, focus on the practical application of installation/programming methods and exercises for identifying/resolving faults. Advanced courses, for most of their duration, also offer enjoyable occasions for social involvement and relaxation outside course hours.





# Professional solutions, **for every installation.**

The strength of Comelit's offering lies in its high technological efficiency and the wide range of solutions available. This is also proven and demonstrated by the products in the CCTV sector, with a range capable of meeting all requirements in terms of residential and commercial construction, as well as highly specialised scenarios such as museums, hospitals and industrial complexes.

Comelit offers systems, products and technologies that can be used to create versatile and modular video surveillance solutions capable of satisfying any installation or performance-related requirements: large public areas assigned to strategic services, shopping centres and small private locations that require a high level of protection.

## RESIDENTIAL



## AIRPORT



## HOSPITAL



## INDUSTRY



## MUSEUM



## RAILWAY





CITIZEN MONITORING



SHOPPING CENTRE



SERVICE STATION



SHOP



PARKING



MOTORWAY



# Total control and easy configuration.

## Remote management.

YOU ARE ALWAYS AT  
HOME, WHEREVER  
YOU GO.



Innovative Comelit technology  
for remote management allows  
you to simply and efficiently  
control what the cameras see.







## PLUG & PLAY Automatic system configuration

Simply connect the video recorder to the ADSL line (modem) to establish an instant connection.





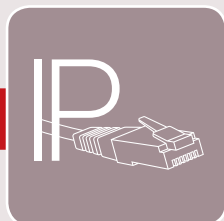
# A variety of high-quality solutions

The Comelit range spans the entire world of video surveillance: from the more consolidated solutions which use Analog technology to innovative DIGITAL, IP and HD-SDI solutions.

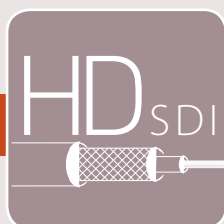
## OUR SYSTEMS



ANALOG



IP





## EXTENSIVE RANGE



START

Ideal products for scenarios which require easy operation and quick installation, with particular emphasis on costing.



MIDDLE

Reliability and flexibility: products offering an excellent quality / price ratio, which are capable of satisfying most requirements.



HIGH

High-end products for the most demanding and technologically advanced installations.

**HD-SDI**

# GENERAL CONTENTS



## ANALOG

EXTENSIVE RANGE AVAILABLE:



START

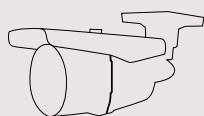


MIDDLE



HIGH

### CAMERAS AND LENSES



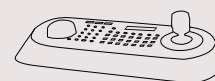
DISCRETE Cameras	34
COMPACT Cameras	36
MINIDOME Cameras	42
BOX Cameras	47
PTZ Cameras	52
AFCAM	56
LENSES	58

### DVR

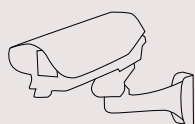


START series	64
MIDDLE series	67
HIGH series	71
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### CONTROL KEYBOARDS, MATRICES



KEYBOARDS	76
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HOUSINGS AND  
ILLUMINATORS

STANDARD series	80
UNICA series	81
EXTREME series	84
EXTREME accessories	91
INFRARED ILLUMINATORS	93

TRANSMISSION AND  
ACCESSORIES

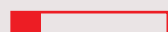
WIRELESS transmission	96
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UTP transmission	101
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# GENERAL CONTENTS

**IP**

EXTENSIVE RANGE AVAILABLE:



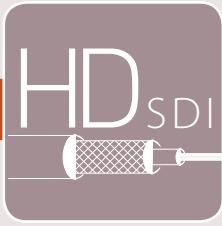
START

Cameras	130
Housings and accessories	133
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HIGH

Cameras	146
Encoders and Decoders	153
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## HD-SDI

EXTENSIVE RANGE AVAILABLE:



MIDDLE

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## MONITORS







STANDARD monitors	178
HI-RES monitors	179

# SELECTION GUIDE





## FIXED CAMERAS

DISTANCE (m)	 <b>120%</b> IDENTIFICATION	 <b>50%</b> RECOGNITION	 <b>10%</b> INTRUSION DETECTION	 <b>5%</b> MONITORING
<b>2</b>			SCAM604A	
			SCAM606A	
			SCAM627A	
			MCAM630B	
			MCAM672B	
		IPCAM101B		
		IPCAM102A		
		IPCAM166A		
		IPCAM701A		
		IPCAM721A		
		HDCAM601A		
		HDCAM651A		
<b>5</b>			SCAM604A	
			SCAM606A	
			SCAM627A	
			MCAM630B	
			MCAM672B	
		IPCAM101B		
		IPCAM102A		
		IPCAM701A		
		IPCAM721A		
		HDCAM601A		
		HDCAM651A		





DISTANCE (m)	<div></div> <div>120% IDENTIFICATION</div>	<div></div> <div>50% RECOGNITION</div>	<div></div> <div>10% INTRUSION DETECTION</div>	<div></div> <div>5% MONITORING</div>
10				SCAM604A
				SCAM606A
				SCAM627A
				MCAM630B
				MCAM672B
			IPCAM101B	
		IPCAM102A		
			IPCAM701A	
			IPCAM721A	
		HDCAM601A		
		HDCAM651A		
20				IPCAM101B
			IPCAM102A	
				IPCAM701A
				IPCAM721A
			HDCAM601A	
			HDCAM651A	
50			IPCAM102A	

# SELECTION GUIDE

## VARIFOCAL CAMERAS

DISTANCE (m)	 <b>120%</b> IDENTIFICATION	 <b>50%</b> RECOGNITION	 <b>10%</b> INTRUSION DETECTION	 <b>5%</b> MONITORING
<b>2-5</b>	SCAM616A - SCAM617A			
	SCAM637A - SCAM642A			
	MCAM631B			
	MCAM671B - MCAM697C			
	HCAM633B - HCAM634B - HCAM635B			
	HCAM675B			
	IPCAM162A - IPCAM168A			
	IPCAM702A - IPCAM727A			
	IPCAM752A - IPCAM767A			
	HDCAM602A - HDCAM652A			
<b>5-10</b>	SCAM616A - SCAM617A			
	SCAM637A - SCAM642A			
	MCAM631B			
	MCAM671B - MCAM697A			
	MCAM696C			
	MCAM699C			
	MPTZ766B - MPTZ767B - MPTZ768B - MPTZ801B			
	HCAM633B - HCAM634B - HCAM635B			
	HCAM675B			
	HCAM676B			
	HPTZ752B - HPTZ756B			
	IPCAM162A - IPCAM168A			
	IPCAM702A - IPCAM727A			
	IPCAM752A - IPCAM767A			
	IPPTZ772A - IPPTZ773A - IPPTZ779A			
	HDCAM602A - HDCAM652A			



DISTANCE (m)	<div></div> <div>120% IDENTIFICATION</div>	<div></div> <div>50% RECOGNITION</div>	<div></div> <div>10% INTRUSION DETECTION</div>	<div></div> <div>5% MONITORING</div>	
10-20			SCAM616A - SCAM617A		
			SCAM637A		
				SCAM642A	
			MCAM631B - MCAM671B - MCAM696C - MCAM697C		
		MCAM699C			
		MPTZ766B - MPTZ767B - MPTZ768B - MPTZ801B			
				HCAM633B - HCAM634B	
			HCAM635B		
			HCAM675B		
		HCAM676B			
		HPTZ752B - HPTZ756B			
		IPCAM162A - IPCAM168A			
		IPCAM702A - IPCAM727A			
		IPCAM752A - IPCAM767A			
		IPPTZ772A - IPPTZ773A - IPPTZ779A			
		HDCAM602A - HDCAM652A			
20-50			MCAM696C		
				MCAM699C	
		MPTZ766B - MPTZ767B - MPTZ768B - MPTZ801B			
			HCAM676B		
		HPTZ752B - HPTZ756B			
		IPCAM162A - IPCAM168A			
		IPCAM702A - IPCAM727A			
		IPCAM752A - IPCAM767A			
		IPPTZ772A - IPPTZ773A - IPPTZ779A			
	HDCAM602A - HDCAM652A				
50-80			MCAM696C		
		MPTZ766B - MPTZ767B - MPTZ768B - MPTZ801B			
			HCAM676B		
		HPTZ752B - HPTZ756B			
		IPCAM162A - IPCAM168A			
		IPCAM702A - IPCAM727A			
		IPCAM752A - IPCAM767A			
		IPPTZ772A - IPPTZ773A - IPPTZ779A			
		HDCAM602A - HDCAM652A			

# 960H technology and 1000 TVL cameras.

352X288 CIF  
4:3 VIDEO



720X576 D1  
4:3 VIDEO





## 33% MORE DETAIL.

Comelit analogue cameras and video recorders support new 960H technology. The 960x576 format offers a clear and detailed view. Comelit 960H analogue DVRs are backwards compatible with all existing analogue cameras and all recording formats (CIF, 2CIF, D1), which prevents systems which are still in use from becoming obsolete. In this case you can simply use Comelit 960H DVRs and 960H cameras where required.



NEW

# Comelit iRas.

New management software for Ras series DVRs, with advanced, easy and intuitive functions and a modern design.





## GRAPHICS MAPS

A powerful and versatile tool for graphical management of alarms and videos.



Monitoring



Event



Autofocus



Cameras



Alarms



Outputs for activation

AUTOFOCUS FUNCTION

EXAMPLES OF OBJECTS THAT CAN BE POSITIONED ON THE MAP,  
WITH INTERACTION OPTION



## USER MANAGEMENT

The system makes it possible to add new users easily, with the option of choosing

whether to access specific functions only from specific devices.

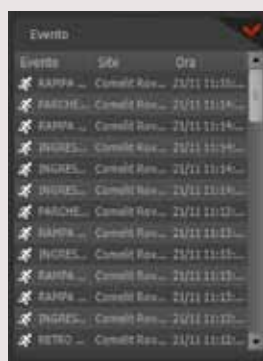


## SEARCH / PLAY IMAGES

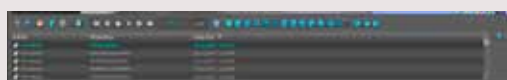
**Search Date / Time.** Time-based search of the recordings made by the devices, with graphical view of the type of recording

**Search Event.** Search Motion recording can be viewed by clicking on the type of event.

It can be used to select the area of an image on which to perform the **Motion search** in relation to the reference image. Parameters such as Sensitivity, Number of locks activated, Variation percentage in relation to the reference image and Variation time



SEARCH EVENT



SEARCH DATE, TIME AND MOTION

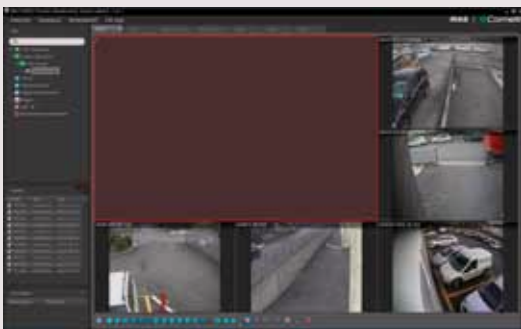




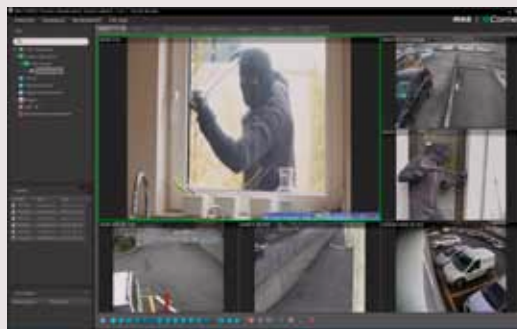
## EVENT MANAGEMENT

**Event spot function.** The image of the device which generated the event appears in the selected box, highlighted with a blue frame

**List of Events in real time.** Can be used to check the events generated by the connected devices in real time



In Standby



In Alarm

SPOT EVENTS FUNCTION



## MONITORING / DIAGNOSTICS

**Diagnostics.** Checks the status of the connected devices to identify any

**Status problems.** Checks the events generated by the devices

**Report.** Monitoring the procedures carried out via iRAS linked to the user who generated them



DIAGNOSTICS



STATUS



REPORT



## IMAGE EXPORT

Images can be exported by using the mouse pointer to select the relevant period directly on the timetable, or by entering the desired date and time manually. Generation of an executable file that cannot be modified incorporating the playback program and Watermarking, or an AVI file that can be played with the most common commercially-available players.





Evento

Evento	Site	Ora
RAIPA...	Cometl R...	21/11 11:13...
PARCHE...	Cometl R...	21/11 11:14...
RAIPA...	Cometl R...	21/11 11:14...
INGRES...	Cometl R...	21/11 11:14...
INGRES...	Cometl R...	21/11 11:14...
INGRES...	Cometl R...	21/11 11:14...
PARCHE...	Cometl R...	21/11 11:13...
RAIPA...	Cometl R...	21/11 11:13...
INGRES...	Cometl R...	21/11 11:13...
RAIPA...	Cometl R...	21/11 11:13...
INGRES...	Cometl R...	21/11 11:13...
INGRES...	Cometl R...	21/11 11:13...
RETRO...	Cometl R...	21/11 11:13...

LIST OF EVENTS IN REAL TIME







## ANALOG

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DVR	60
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HOUSINGS AND ILLUMINATORS	78
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TRANSMISSION AND ACCESSORIES	94
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**ANALOG**

## CAMERAS AND LENSES

- wide range of applications
- unparalleled image quality 1000TVL, 960H
- reliable solutions
- different application levels





## ANALOG

CAMERAS  
AND LENSES

DVR

KEYBOARDS  
MATRICES

HOUSINGS AND  
ILLUMINATORS

TRANSMISSION AND  
ACCESSORIES

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COMPACT CAMERAS	36
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BOX CAMERAS	47
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PTZ CAMERAS	52
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AFCAM	56
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LENSES	58
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## START



			
	<b>Art. SCAM616A</b>	<b>Art. SCAM617A</b>	
Lens	Varifocal, 2,8 ÷ 12 mm	Varifocal, 2,8 ÷ 12 mm	
System	Day & Night	Day & Night	
Image sensor	1/3" CCD Sony Super HAD	1/3" CCD Sony Super HAD II	
Horizontal resolution (colour)	600 TVL	700 TVL - 960H	
IR filter mechanical removal	Yes	Yes	
Integrated infrared illumination	Yes, 36 leds	Yes, 36 leds	
Maximum distance infrared illumination (m)	30	30	
Minimum Illumination (lux)	0.01 with IR leds ON	0 with IR leds ON	
Backlight compensation	No	No	
Wide Dynamic Range (WDR)	No	No	
Digital Noise Reduction (DNR)	No	No	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	No	No	
Case	All-in-one, anodized aluminum	All-in-one, anodized aluminum	
IP degree protection	IP66	IP66	
Power supply	12 VDC	12 VDC	



## MIDDLE



			
	<b>Art. MCAM697C</b>	<b>Art. MCAM699C</b>	
Lens	Varifocal, 2,8 ÷ 12 mm	Varifocal, 6 ÷ 22 mm	
System	Day & Night	Day & Night	
Image sensor	1/3" CCD 960H	1/3" CCD 960H	
Horizontal resolution (colour)	700 TVL - 960H	700 TVL - 960H	
IR filter mechanical removal	Yes	Yes	
Integrated infrared illumination	Yes, 40 leds	Yes, 40 leds	
Maximum distance infrared illumination (m)	Smart	Smart	
Minimum Illumination (lux)	0.15 colour / 0 with IR leds ON	0.15 colour / 0 with IR leds ON	
Backlight compensation	No	No	
Wide Dynamic Range (WDR)	No	No	
Digital Noise Reduction (DNR)	No	No	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	No	No	
Case	All-in-one, aluminum	All-in-one, aluminum	
IP degree protection	IP66	IP66	
Power supply	12 VDC	12 VDC	

## HIGH



			
	<b>Art. HCAM675B</b>	<b>Art. HCAM676B</b>	
Lens	Varifocal, 2,8 ÷ 12 mm	Varifocal, 5 ÷ 50 mm	
System	Day & Night	Day & Night	
Image sensor	1/3" CCD Sony EXview HAD II 960H	1/3" CCD Sony EXview HAD II 960H	
Horizontal resolution (colour)	700 TVL - 960H	700 TVL - 960H	
IR filter mechanical removal	Yes	Yes	
Integrated infrared illumination	Yes, 45 leds	Yes, 45 leds	
Maximum distance infrared illumination (m)	40	40	
Minimum Illumination (lux)	0.15 colour / 0 with IR leds ON	0.15 colour / 0 with IR leds ON	
Backlight compensation	BLC - HLC	BLC - HLC	
Wide Dynamic Range (WDR)	No	No	
Digital Noise Reduction (DNR)	2D-DNR	2D-DNR	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	No	No	
Case	All-in-one, anodized aluminum	All-in-one, anodized aluminum	
IP degree protection	IP67	IP67	
Power supply	12 VDC / 24 VAC	12 VDC / 24 VAC	

# ANALOG CAMERAS AND LENSES

## COMPACT CAMERAS

ANALOG

CAMERAS  
AND LENSES

DVR

KEYBOARDS  
MATRICES

HOUSINGS AND  
ILLUMINATORS

TRANSMISSION AND  
ACCESSORIES



**Art. SCAM108A**

Fixed, 3.6 mm  
Day & Night  
1/3" CMOS HDIS  
800 TVL  
Yes  
Yes, 23 leds  
20  
0 with IR leds ON  
No  
No  
No  
BNC, 1 Vp-p, 75 ohm  
No  
All-in-one, anodized aluminum  
IP66  
12 VDC



**Art. SCAM118A**

Varifocal, 2.8 ÷ 12 mm  
Day & Night  
1/3" CMOS HDIS  
800 TVL  
Yes  
Yes, 36 leds  
30  
0 with IR leds ON  
No  
No  
No  
BNC, 1 Vp-p, 75 ohm  
No  
All-in-one, anodized aluminum  
IP66  
12 VDC



**Art. SCAM618A**

Varifocal, 2.8 ÷ 12 mm  
Day & Night  
1/3" CMOS Sony Exmor  
1000 TVL - 720p  
Yes  
Yes, 36 leds  
30  
0 with IR leds ON  
No  
No  
No  
BNC, 1 Vp-p, 75 ohm  
No  
All-in-one, anodized aluminum  
IP66  
12 VDC



**Art. MCAM696C**

Varifocal, 6 ÷ 50 mm  
Day & Night  
1/3" CCD 960H  
700 TVL - 960H  
Yes  
Yes, 40 leds  
Smart  
0.15 colour / 0 with IR leds ON  
No  
No  
No  
BNC, 1 Vp-p, 75 ohm  
No  
All-in-one, aluminum  
IP66  
12 VDC



**Art. MCAM672B**

Fixed, 3.6 mm  
Day & Night  
1/3" CCD Sony EXview HAD II  
700 TVL - 960H  
No  
Yes, 24 leds  
20  
0.15 colour / 0 with IR leds ON  
No  
No  
2D-DNR  
BNC, 1 Vp-p, 75 ohm  
No  
All-in-one, anodized aluminum  
IP67  
12 VDC











**MCAM671B**

Varifocal, 2.8 ÷ 12 mm  
Day & Night  
1/3" CCD Sony EXview HAD II  
700 TVL - 960H  
Yes  
Yes, 30 leds  
30  
0.15 colour / 0 with IR leds ON  
No  
No  
2D-DNR  
BNC, 1 Vp-p, 75 ohm  
No  
All-in-one, anodized aluminum  
IP67  
12 VDC

# ANALOG

## CAMERAS AND LENSES

### DISCRETE CAMERAS

	<b>SCAM688B</b>	<b>Miniaturized colour all-in-one camera, DISCRETE series, 3.7 mm fixed lens, 650 TVL resolution, case suitable for indoor use.</b> Camera sensor : 1/3" CCD Camera lens : Pinhole Sensitivity (lux) : 0.01 (colour) DC supply voltage : 12 V Absorption : 1.44 W Product width (mm) : 37 Product height (mm) : 37 Product depth (mm) : 22	 START
	<b>SCAM683B</b>	<b>Colour all-in-one camera, DISCRETE series, 3.7 mm fixed lens, 650 TVL resolution, PIR case suitable for indoor use.</b> Camera sensor : 1/3" CCD Sensitivity (lux) : 0.8 (colour) DC supply voltage : 12 V Absorption : 1.44 W Product width (mm) : 70 Product height (mm) : 120 Product depth (mm) : 48	 START
	<b>SCAM685B</b>	<b>Colour all-in-one camera, DISCRETE series, 3.7 mm fixed lens, 600 TVL resolution, SMOKE DETECTOR case suitable for indoor use.</b> Camera sensor : 1/3" CCD Super HAD Sensitivity (lux) : 0.26 (colour) DC supply voltage : 12 V Absorption : 1.2 W Diameter (mm) : 120 Product height (mm) : 56.5	 START
	<b>40686</b>	<b>Colour all-in-one camera, DISCRETE series, 3.7 mm fixed lens, 420 TVL resolution, SPRINKLER case suitable for indoor use.</b> Camera sensor : 1/4" CMOS Sensitivity (lux) : 1.5 (colour) DC supply voltage : 12 V Absorption : 0.48 W Diameter (mm) : 84 Product height (mm) : 95	 START

# ANALOG CAMERAS AND LENSES

## DISCRETE CAMERAS

ANALOG

CAMERAS  
AND LENSES

DVR

KEYBOARDS  
MATRICES

HOUSINGS AND  
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**HCAM613A**

**All-in-one Day & Night colour camera, DISCRETE series, 3.6 mm fixed lens, 700 TVL resolution, 960H, case waterproof IP66.**

Camera sensor : 1/3" CCD Sony EXview HAD II 960H

Sensitivity (lux) : 0.005 (colour)

Electronic removal of IR filter : Yes

Main functions : ATR-Lite, 2D-NR

DC supply voltage : 12 V

Absorption : 0.78 W

Diameter (mm) : 19

Product depth (mm) : 71

HIGH

**HCAM614A**

**All-in-one Day & Night colour camera, DISCRETE series, 4-9 mm varifocal lens, 700 TVL resolution, 960H, case waterproof IP66.**

Camera sensor : 1/3" CCD Sony EXview HAD II 960H

Sensitivity (lux) : 0.005 (colour)

Electronic removal of IR filter : Yes

Main functions : ATR-Lite, 2D-NR

DC supply voltage : 12 V

Absorption : 0.78 W

Diameter (mm) : 26

Product depth (mm) : 106







HIGH



# ANALOG

## CAMERAS AND LENSES

### COMPACT CAMERAS

	<b>SCAM616A</b>	<p><b>All-in-one Day &amp; Night colour camera, 2.8-12 mm varifocal lens, 600 TVL resolution, case waterproof IP66, 36 infrared leds with a range of up to 30 meters.</b></p> <p>Camera sensor : 1/3" CCD Sony  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : AGC, AES  DC supply voltage : 12 V  Absorption : 4.8 W  Product width (mm) : 228  Product height (mm) : 97  Product depth (mm) : 84</p>	 START
	<b>SCAM617A</b>	<p><b>All-in-one Day &amp; Night colour camera, 2.8-12 mm varifocal lens, 700 TVL resolution, 960H, case waterproof IP66, 36 infrared leds with a range of up to 30 meters.</b></p> <p>Camera sensor : 1/3" CCD Sony Super HAD II  Horizontal resolution (TVL) : 700  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  DC supply voltage : 12 V  Absorption : 4.8 W  Product width (mm) : 228  Product height (mm) : 97  Product depth (mm) : 84</p>	 START
	<b>SCAM108A</b>	<p><b>All-in-one Day &amp; Night colour camera, 3.6 mm fixed lens, 800 TVL resolution, case waterproof IP66, 23 infrared leds with a range of up to 20 meters.</b></p> <p>Camera sensor : 1/3" CMOS HDIS  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : AGC, AES  DC supply voltage : 12 V  Absorption : 3.6 W  Product width (mm) : 184  Product height (mm) : 72  Product depth (mm) : 70</p>	 START

# ANALOG CAMERAS AND LENSES

## COMPACT CAMERAS

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### SCAM118A



**All-in-one Day & Night colour camera, 2.8-12 mm varifocal lens, 800 TVL resolution, case waterproof IP66, 36 infrared leds with a range of up to 30 meters.**

Camera sensor : 1/3" CMOS HDIS  
Sensitivity (lux) : 0 (leds IR ON)  
Mechanical removal of IR filter : Yes  
Main functions : AGC, AES  
DC supply voltage : 12 V  
Absorption : 4.8 W  
Product width (mm) : 228  
Product height (mm) : 97  
Product depth (mm) : 84

START

### SCAM618A



**All-in-one Day & Night colour camera, 2.8-12 mm varifocal lens, 1000 TVL resolution, 720p, case waterproof IP66, 36 infrared leds with a range of up to 30 meters.**

Camera sensor : 1/3" CMOS Sony Exmor  
Horizontal resolution (TVL) : 1000  
Sensitivity (lux) : 0 (leds IR ON)  
Mechanical removal of IR filter : Yes  
DC supply voltage : 12 V  
Absorption : 4.8 W  
Product width (mm) : 228  
Product height (mm) : 97  
Product depth (mm) : 84

START

### MCAM697C



**All-in-one Day & Night colour camera, 2.8 - 12 mm varifocal lens, 700 TVL resolution, 960H, case IP66 waterproof, 40 infrared leds with a range of up to 35 meters.**







Camera sensor : 1/3" CCD 960H  
Sensitivity (lux) : 0.1 (colour) / 0 (B&W - leds IR ON)  
Mechanical removal of IR filter : Yes  
Main functions : SMART 2DNR, SMART IR  
DC supply voltage : 12 V  
Absorption : 5 W  
Product width (mm) : 75  
Product height (mm) : 98.4  
Product depth (mm) : 300

MIDDLE

# ANALOG

## CAMERAS AND LENSES

### COMPACT CAMERAS

	<b>MCAM699C</b>	<p><b>All-in-one Day &amp; Night colour camera, 6-22 mm varifocal lens, 700 TVL resolution, 960H, case IP66 waterproof, 40 infrared leds with a range of up to 35 meters.</b></p> <p>Camera sensor : 1/3" CCD 960H  Sensitivity (lux) : 0.1 (colour) / 0 (B&amp;W - leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : SMART 2DNR, SMART IR  DC supply voltage : 12 V  Absorption : 5 W  Product width (mm) : 75  Product height (mm) : 98.4  Product depth (mm) : 300</p>	 MIDDLE
	<b>MCAM696C</b>	<p><b>All-in-one Day &amp; Night colour camera, 6-50 mm varifocal lens, 700 TVL resolution, 960H, case IP66 waterproof, 40 infrared leds with a range of up to 35 meters.</b></p> <p>Camera sensor : 1/3" CCD 960H  Sensitivity (lux) : 0.1 (colour) / 0 (B&amp;W - leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : SMART 2DNR, SMART IR  DC supply voltage : 12 V  Absorption : 5 W  Product width (mm) : 75  Product height (mm) : 98.4  Product depth (mm) : 300</p>	 MIDDLE
	<b>MCAM672B</b>	<p><b>All-in-one Day &amp; Night colour camera, 3.6 mm fixed lens, 700 TVL resolution, 960H, case waterproof IP67, 24 infrared leds with a range of up to 25 meters (SMART led function).</b></p> <p>Camera sensor : 1/3" CCD Sony EXview HAD II  Sensitivity (lux) : 0.15 (colour)  Electronic removal of IR filter : Yes  Main functions : 2D-DNR  DC supply voltage : 12 V  Absorption : 4 W  Diameter (mm) : 50  Product depth (mm) : 139.5</p>	 MIDDLE

# ANALOG CAMERAS AND LENSES

## COMPACT CAMERAS

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### MCAM671B



**All-in-one Day & Night colour camera, 2.8-12 mm varifocal autoiris Day & Night lens, 700 TVL resolution, 960H, case waterproof IP67, 30 infrared leds with a range of up to 30 meters (SMART led function).**

Camera sensor : 1/3" CCD Sony EXview HAD II  
Sensitivity (lux) : 0.15 (colour)  
Mechanical removal of IR filter : Yes  
Main functions : 2D-DNR  
DC supply voltage : 12 V  
Absorption : 4.5 W  
Diameter (mm) : 66  
Product depth (mm) : 171

MIDDLE

### HCAM675B



**All-in-one Day & Night colour camera, 2.8-12 mm varifocal autoiris lens, 700 TVL resolution, 960H, case waterproof IP67, 45 infrared leds with a range of up to 40 meters.**

Camera sensor : 1/3" CCD Sony EXview HAD II  
Sensitivity (lux) : 0.15 (colour) / 0 (B&W)  
Mechanical removal of IR filter : Yes  
Main functions : HLC, 2D-DNR, ATR, Motion, Privacy mask, Mirror  
AC supply voltage : 24 V  
DC supply voltage : 12 V  
Absorption : 5 W  
Product width (mm) : 98.4  
Product height (mm) : 177.5  
Product depth (mm) : 263.5

HIGH

### HCAM676B





**All-in-one Day & Night colour camera, 5-50 mm varifocal autoiris lens, 700 TVL resolution, 960H, case waterproof IP67, 45 infrared leds with a range of up to 40 meters.**



Camera sensor : 1/3" CCD Sony EXview HAD II  
Sensitivity (lux) : 0.15 (colour) / 0 (B&W)  
Mechanical removal of IR filter : Yes  
Main functions : HLC, 2D-DNR, ATR, Motion, Privacy mask, Mirror  
AC supply voltage : 24 V  
DC supply voltage : 12 V  
Absorption : 5 W  
Product width (mm) : 98.4  
Product height (mm) : 177.5  
Product depth (mm) : 263.5

HIGH



## START

			
	<b>Art. SCAM637A-SCAM637A/G</b>	<b>Art. SCAM128A-SCAM128A/G</b>	
Lens	Varifocal, 2,8 ÷ 12 mm	Fixed, 3,6 mm	
System	Day & Night	Day & Night	
Image sensor	1/3" CCD Sony Super HAD II	1/3" CMOS HDIS	
Horizontal resolution (colour)	700 TVL - 960H	800 TVL	
IR filter mechanical removal	Yes	Yes	
Integrated infrared illumination	Yes, 36 leds	Yes, 23 leds	
Maximum distance infrared illumination (m)	30	20	
Minimum Illumination (lux)	0 with IR leds ON	0 with IR leds ON	
Backlight compensation	No	No	
Wide Dynamic Range (WDR)	No	No	
Digital Noise Reduction (DNR)	No	No	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	No	No	
Case	Minidome	Minidome	
IP degree protection	IP66	IP66	
Power supply	12 VDC	12 VDC	

## MIDDLE

			
	<b>Art. MCAM630B</b>	<b>Art. MCAM631B</b>	
Lens	Fixed, 3,6 mm	Varifocal, 2,8 ÷ 12 mm	
System	Day & Night	Day & Night	
Image sensor	1/3" CCD Sony Super HAD II	1/3" CCD Sony Super HAD II	
Horizontal resolution (colour)	700 TVL - 960H	700 TVL - 960H	
IR filter mechanical removal	No	Yes	
Integrated infrared illumination	No	Yes, 21 leds	
Maximum distance infrared illumination (m)	-	15	
Minimum Illumination (lux)	0,1 colour	0 with IR leds ON	
Backlight compensation	No	No	
Wide Dynamic Range (WDR)	No	No	
Digital Noise Reduction (DNR)	No	No	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	No	No	
Case	Minidome	Minidome	
IP degree protection	IP65	IP66	
Power supply	12 VDC	12 VDC	

## HIGH

			
	<b>Art. HCAM635B</b>	<b>Art. HCAM633B</b>	
Lens	Varifocal, 2,8 ÷ 12 mm D&N	Varifocal, 2,8 ÷ 11 mm D&N	
System	Day & Night	Day & Night	
Image sensor	1/3" CCD Sony EXview HAD II	1/3" CCD Sony EXview II 960H	
Horizontal resolution (colour)	700 TVL - 960H	700 TVL - 960H	
IR filter mechanical removal	Yes	Yes	
Integrated infrared illumination	Yes, 30 leds	No	
Maximum distance infrared illumination (m)	30	-	
Minimum Illumination (lux)	0.15 colour / 0 with IR leds ON	0.1 colour / 0.01 B&W / 0.0001 Sens-up	
Backlight compensation	BLC, HLC	EHLC	
Wide Dynamic Range (WDR)	D-WDR (ATR)	WDR-Lite	
Digital Noise Reduction (DNR)	2D-DNR	3DNR	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	No	RS485	
Case	Minidome, vandalproof	Minidome, vandalproof	
IP degree protection	IP66	IP66	
Power supply	12 VDC / 24 VAC	12 VDC / 24 VAC	
Case	Minidome	Box	
IP degree protection	-	-	
Power supply	12 VDC	12 VDC	

# ANALOG CAMERAS AND LENSES

## MINIDOME CAMERAS

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### Art. SCAM138A-SCAM138A/G

Varifocal, 2.8 ÷ 12 mm  
Day & Night  
1/3" CMOS HDIS  
800 TVL  
Yes  
Yes, 36 leds  
30  
0 with IR leds ON  
No  
No  
No  
BNC, 1 Vp-p, 75 ohm  
No  
Minidome  
IP66  
12 VDC



### Art. SCAM638A-SCAM638A/G

Varifocal, 2.8 ÷ 12 mm  
Day & Night  
1/3" CMOS Sony Exmor  
1000 TVL - 720p  
Yes  
Yes, 36 leds  
30  
0 with IR leds ON  
No  
No  
No  
BNC, 1 Vp-p, 75 ohm  
No  
Minidome  
IP66  
12 VDC











### Art. HCAM634B

Varifocal, 2.8 ÷ 11 mm D&N  
Day & Night  
1/3" CCD Sony Super HAD II PS 960H  
700 TVL - 960H  
Yes  
No  
-  
0.1 colour / 0.01 B&W / 0.0001  
Sens-up  
EHLIC  
WDR  
3DNR  
BNC (1 Vp-p, 75 ohm) / UTP  
RS485  
Minidome, vandalproof  
IP66  
12 VDC / 24 VAC  
All-in-one  
67  
12 VDC

# ANALOG

## CAMERAS AND LENSES

### MINIDOME CAMERAS

	<b>SCAM637A</b>	<p><b>Minidome Day &amp; Night colour camera, 2.8-12 mm varifocal lens, 700 TVL resolution, 960H, case waterproof IP66, 36 infrared illuminators with a range of up to 30 meters.</b></p> <p>Camera sensor : 1/3" CCD Sony Super HAD II  Horizontal resolution (TVL) : 700  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  DC supply voltage : 12 V  Absorption : 4.8 W  Diameter (mm) : 119  Product height (mm) : 82.5</p>	 START
	<b>SCAM637A/G</b>	<p><b>Minidome Day &amp; Night colour camera, 2.8-12 mm varifocal lens, 700 TVL resolution, 960H, case waterproof IP66, 36 infrared illuminators with a range of up to 30 meters.</b></p> <p>Camera sensor : 1/3" CCD Sony Super HAD II  Horizontal resolution (TVL) : 700  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  DC supply voltage : 12 V  Absorption : 4.8 W  Diameter (mm) : 119  Product height (mm) : 82.5</p>	 START
	<b>SCAM128A</b>	<p><b>Minidome Day &amp; Night colour camera, 3.6 mm fixed lens, 800 TVL resolution, case waterproof IP66, 23 infrared illuminators with a range of up to 20 meters.</b></p> <p>Camera sensor : 1/3" CMOS HDIS  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : AGC, AES  DC supply voltage : 12 V  Absorption : 3.6 W  Diameter (mm) : 94  Product height (mm) : 68.5</p>	 START
	<b>SCAM128A/G</b>	<p><b>Minidome Day &amp; Night colour camera, 3.6 mm fixed lens, 800 TVL resolution, case waterproof IP66, 23 infrared illuminators with a range of up to 20 meters.</b></p> <p>Camera sensor : 1/3" CMOS HDIS  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : AGC, AES  DC supply voltage : 12 V  Absorption : 3.6 W  Diameter (mm) : 94  Product height (mm) : 68.5</p>	 START



# ANALOG CAMERAS AND LENSES

## MINIDOME CAMERAS

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SCAM138A



**Minidome Day & Night colour camera, 2.8-12 mm varifocal lens, 800 TVL resolution, case waterproof IP66, 36 infrared illuminators with a range of up to 30 meters.**

Camera sensor : 1/3" CMOS HDIS  
Sensitivity (lux) : 0 (leds IR ON)  
Electronic removal of IR filter : Yes  
Main functions : AGC, AES  
DC supply voltage : 12  
Absorption : 4.8 W  
Diameter (mm) : 119  
Product height (mm) : 82.5

START

SCAM138A/G



**Minidome Day & Night colour camera, 2.8-12 mm varifocal lens, 800 TVL resolution, case waterproof IP66, 36 infrared illuminators with a range of up to 30 meters.**

Camera sensor : 1/3" CMOS HDIS  
Sensitivity (lux) : 0 (leds IR ON)  
Mechanical removal of IR filter : Yes  
Main functions : AGC, AES  
DC supply voltage : 12 V  
Absorption : 4.8 W  
Diameter (mm) : 119  
Product height (mm) : 82.5

START

SCAM638A



**Minidome Day & Night colour camera, 2.8-12 mm varifocal lens, 1000 TVL resolution, 720p, case waterproof IP66, 36 infrared illuminators with a range of up to 30 meters.**

Camera sensor : 1/3" CMOS Sony Exmor  
Horizontal resolution (TVL) : 1000  
Sensitivity (lux) : 0 (leds IR ON)  
Mechanical removal of IR filter : Yes  
DC supply voltage : 12 V  
Absorption : 4.8 W  
Diameter (mm) : 119  
Product height (mm) : 82.5

START

SCAM638A/G



**Minidome Day & Night colour camera, 2.8-12 mm varifocal lens, 1000 TVL resolution, 720p, case waterproof IP66, 36 infrared illuminators with a range of up to 30 meters.**








Camera sensor : 1/3" CMOS Sony Exmor  
Horizontal resolution (TVL) : 1000  
Sensitivity (lux) : 0 (leds IR ON)  
Mechanical removal of IR filter : Yes  
DC supply voltage : 12 V  
Absorption : 4.8 W  
Diameter (mm) : 119  
Product height (mm) : 82.5

START

# ANALOG

## CAMERAS AND LENSES

### MINIDOME CAMERAS

	<b>MCAM630B</b>	<b>Minidome Day &amp; Night colour camera, 3.6 mm fixed lens, 700 TVL resolution, 960H, case IP65 waterproof and vandalresistant.</b> Camera sensor : 1/3" CCD Sony Effio-E Sensitivity (lux) : 0.1 (colour) Electronic removal of IR filter : Yes Main functions : AGC, AES DC supply voltage : 12 V Absorption : 1.44 W Diameter (mm) : 117 Product height (mm) : 92	 MIDDLE
	<b>MCAM631B</b>	<b>Minidome Day &amp; Night colour camera, 2.8-12 mm varifocal autoiris lens, 700 TVL resolution, 960H, case IP66 waterproof and vandalresistant, 21 infrared leds with a range of up to 15 meters.</b> Camera sensor : 1/3" CCD Sony Effio-E Horizontal resolution (TVL) : 700 Sensitivity (lux) : 0 (leds IR ON) Mechanical removal of IR filter : Yes Main functions : AGC, AES DC supply voltage : 12 V Absorption : 3.6 W Diameter (mm) : 138 Product height (mm) : 96.5	 MIDDLE
	<b>MBRK631B</b>	<b>Wall bracket for minidome cameras art. MCAM631B.</b>	
	<b>HCAM635B</b>	<b>All-in-one Day &amp; Night colour minidome camera, 2.8-12 mm varifocal autoiris Day &amp; Night lens, 700 TVL resolution, 960H, case IP66 waterproof and vandalresistant, 30 infrared leds with a range of up to 30 meters, 3-axis camera unit adjustment.</b> Camera sensor : 1/3" CCD Sony EXview HAD II Sensitivity (lux) : 0.15 (colour) / 0 (B&W) Mechanical removal of IR filter : Yes Main functions : BLC, HLC, D-WDR, 2D-DNR, ATR-Lite, Motion, Privacy mask, Mirror AC supply voltage : 24 V DC supply voltage : 12 V Absorption : 5 W Diameter (mm) : 146.3 Product height (mm) : 113.7	 HIGH

# ANALOG CAMERAS AND LENSES

## MINIDOME CAMERAS

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**HCAM633B**

**All-in-one Day & Night colour minidome camera, 2.8-11 mm varifocal autoiris Day & Night lens, 700 TVL resolution, 960H, case IP66 waterproof and vandalresistant, 3-axis camera unit adjustment.**

Camera sensor : 1/3" CCD Sony EXview II 960H  
Sensitivity (lux) : 0.1 (colour) / 0.01 (B&W) / 0.0001 (sens-up)  
Mechanical removal of IR filter : Yes  
Main functions : EHLC, WDR-Lite, 3DNR, Analytics, Privacy mask, Mirror  
AC supply voltage : 24 V  
DC supply voltage : 12 V  
Absorption : 3.5 W  
Diameter (mm) : 145.6  
Product height (mm) : 113

HIGH



**HCAM634B**

**All-in-one Day & Night colour minidome camera, 2.8-11 mm varifocal autoiris Day & Night lens, 700 TVL resolution, 960H, case IP66 waterproof and vandalresistant, 3-axis camera unit adjustment.**

Camera sensor : 1/3" CCD Sony EXview HAD II PS 960H  
Sensitivity (lux) : 0.1 (colour) / 0.01 (B&W) / 0.0001 (sens-up)  
Mechanical removal of IR filter : Yes  
Main functions : EHLC, WDR, 3DNR, Analytics, Privacy mask, Mirror  
AC supply voltage : 24 V  
DC supply voltage : 12 V  
Absorption : 3.5 W  
Diameter (mm) : 145.6  
Product height (mm) : 113



HIGH

# ANALOG



## CAMERAS AND LENSES

### BOX CAMERAS

#### MIDDLE

		
	<b>Art. MCAM437B / MCAM537B</b>	<b>Art. MCAM438B / MCAM538B</b>
	<b>SENSE</b>	<b>MOSAIC</b>
Lens	DC Drive / Video Drive / Manual	DC Drive / Video Drive / Manual
System	Day & Night	Day & Night
Image sensor	1/3" CCD Sony EXview HAD II	1/3" CCD Sony EXview HAD II
Horizontal resolution (colour)	700 TVL - 960H	700 TVL - 960H
IR filter mechanical removal	No	Yes
Minimum Illumination (lux)	0.15 colour / 0.01 B&W	0.15 colour / 0.01 B&W
Backlight compensation	BLC, HLC	BLC, HLC
Wide Dynamic Range (WDR)	D-WDR	D-WDR
Digital Noise Reduction (DNR)	DNR	DNR
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm
Serial	No	No
Case	Box	Box
Power supply	12 VDC / 24 VAC (art.MCAM437B) -100÷240 VAC (art.MCAM537B)	12 VDC / 24 VAC (art.MCAM438B) -100÷240 VAC (art.MCAM538B)

#### HIGH

		
	<b>Art. HCAM433B / HCAM533B</b>	<b>Art. HCAM434B / HCAM534B</b>
	<b>ANALITICS</b>	<b>ANALITICS</b>
Lens	DC Drive / Video Drive	DC Drive / Video Drive
System	Day & Night	Day & Night
Image sensor	1/3" CCD Sony EXview 960H	1/3" CCD Sony Super HAD II PS 960H
Horizontal resolution (colour)	700 TVL - 960H	700 TVL - 960H
IR filter mechanical removal	Yes	Yes
Minimum Illumination (lux)	0.1 colour / 0.01 B&W / 0.0001 sens-up	0.1 colour / 0.01 B&W / 0.0001 sens-up
Backlight compensation	EHLC	EHLC
Wide Dynamic Range (WDR)	WDR-Lite	WDR
Digital Noise Reduction (DNR)	3DNR	3DNR
Video output	BNC (1 Vp-p, 75 ohm) / UTP	BNC (1 Vp-p, 75 ohm) / UTP
Serial	RS485	RS485
Case	Box	Box
Power supply	12 VDC / 24 VAC (art.HCAM433B) -100÷240 VAC (art.HCAM533B)	12 VDC / 24 VAC (art.HCAM434B) -100÷240 VAC (art.HCAM534B)

# ANALOG CAMERAS AND LENSES

## BOX CAMERAS

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### MCAM437B

#### Day & Night colour box camera, 700 TVL resolution, 960H.

Camera sensor : 1/3" CCD Sony EXview HAD II  
Sensitivity (lux) : 0.15 (colour) / 0.01 (B&W)  
Electronic removal of IR filter : Yes  
Main functions : DNR, D-WDR, BLC, HLC, Privacy mask, Motion  
AC supply voltage : 24 V  
DC supply voltage : 12 V  
Absorption : 3.5 W  
Product width (mm) : 66  
Product height (mm) : 56  
Product depth (mm) : 120

MIDDLE

### MCAM537B

#### Day & Night colour box camera, 700 TVL resolution, 960H.

Camera sensor : 1/3" CCD Sony EXview HAD II  
Sensitivity (lux) : 0.15 (colour) / 0.01 (B&W)  
Electronic removal of IR filter : Yes  
Main functions : DNR, D-WDR, BLC, HLC, Privacy mask, Motion  
AC supply voltage : 100 - 240 V  
Absorption : 4 W  
Product width (mm) : 66  
Product height (mm) : 56  
Product depth (mm) : 120

MIDDLE

### MCAM438B

#### Day & Night colour box camera, 700 TVL resolution, 960H.

Camera sensor : 1/3" CCD Sony EXview HAD II  
Sensitivity (lux) : 0.15 (colour) / 0.01 (B&W)  
Mechanical removal of IR filter : Yes  
Main functions : DNR, D-WDR, BLC, HLC, Privacy mask, Motion  
AC supply voltage : 24 V  
DC supply voltage : 12 V  
Absorption : 3.5 W  
Product width (mm) : 66  
Product height (mm) : 56  
Product depth (mm) : 120

MIDDLE

### MCAM538B







#### Day & Night colour box camera, 700 TVL resolution, 960H.

Camera sensor : 1/3" CCD Sony EXview HAD II  
Sensitivity (lux) : 0.15 (colour) / 0.01 (B&W)  
Mechanical removal of IR filter : Yes  
Main functions : DNR, D-WDR, BLC, HLC, Privacy mask, Motion  
AC supply voltage : 100 - 240 V  
Absorption : 4 W  
Product width (mm) : 66  
Product height (mm) : 56  
Product depth (mm) : 120

MIDDLE

# ANALOG CAMERAS AND LENSES

## BOX CAMERAS

	<b>HCAM433B</b>	<b>Day &amp; Night colour box camera, 700 TVL resolution, 960H.</b> Camera sensor : 1/3" CCD Sony EXview 960H Sensitivity (lux) : 0.1 (colour) / 0.01 (B&W) / 0.0001 (sens-up) Mechanical removal of IR filter : Yes Main functions : EHLC, WDR-Lite, 3DNR, DIS, Analytics, Privacy Mask, Digital Zoom, Mirror, RS485 AC supply voltage : 24 V DC supply voltage : 12 V Absorption : 3.5 W Product width (mm) : 66 Product height (mm) : 56 Product depth (mm) : 120	 HIGH
	<b>HCAM533B</b>	<b>Day &amp; Night colour box camera, 700 TVL resolution, 960H.</b> Camera sensor : 1/3" CCD Sony EXview 960H Sensitivity (lux) : 0.1 (colour) / 0.01 (B&W) / 0.0001 (sens-up) Mechanical removal of IR filter : Yes Main functions : EHLC, WDR-lite, 3DNR, DIS, Analytics, Privacy mask, Digital Zoom, Mirror, RS485 AC supply voltage : 100 - 240 V Absorption : 4 W Product width (mm) : 66 Product height (mm) : 56 Product depth (mm) : 120	 HIGH
	<b>HCAM434B</b>	<b>Day &amp; Night colour box camera, 700 TVL resolution, 960H.</b> Camera sensor : 1/3" CCD Sony Super HAD II 960H PS Sensitivity (lux) : 0.1 (colour) / 0.01 (B&W) / 0.0001 (sense-up) Mechanical removal of IR filter : Yes Main functions : EHLC, WDR, 3DNR, DIS, Analysis, Privacy mask, Digital Zoom, Mirror, RS485 AC supply voltage : 24 V DC supply voltage : 12 V Absorption : 3.5 W Product width (mm) : 78.8 Product height (mm) : 64 Product depth (mm) : 118.4	 HIGH

# ANALOG CAMERAS AND LENSES

## BOX CAMERAS

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### HCAM534B

#### Day & Night colour box camera, 700 TVL resolution, 960H.

Camera sensor : 1/3" CCD Sony Super HAD II 960H PS

Sensitivity (lux) : 0.1 (colour) / 0.01 (B&W) / 0.0001 (sense-up)

Mechanical removal of IR filter : Yes

Main functions : EHLC, WDR, 3DNR, DIS, ATR-EX, Analytics, Privacy mask, Digital Zoom, Mirror, RS485

AC supply voltage : 100 - 240 V

Absorption : 4 W

Product width (mm) : 78.8



Product height (mm) : 64

Product depth (mm) : 118.4



HIGH



## MIDDLE

			
	<b>Art. MPTZ766A</b>	<b>Art. MPTZ767B</b>	
Lens	Varifocal, 3.9 ÷ 85.8 mm	Varifocal, 3.9 ÷ 85.8 mm	
System	Day & Night	Day & Night	
Image sensor	1/4" CCD Sony Super HAD II	1/4" CCD Sony Super HAD II	
Horizontal resolution (colour)	580 TVL	700 TVL - 960H	
Zoom	22x optical, autofocus	22x optical / 16x digital, autofocus	
Alarm Input/Output	1 / 1	4 / 1	
Privacy zone	No	8	
Basic functions	120 Preset, 4 Tour, 4 Autoscan	240 Preset, 8 Tour, 8 Pattern, 16 Autoscan	
IR filter mechanical removal	Yes	Yes	
Minimum Illumination (lux)	0.5 colour	0.1 colour / 0.00001 low shutter + ICR	
Backlight compensation	BLC, HLC	BLC, HLC	
Wide Dynamic Range (WDR)	No	Yes	
Digital Noise Reduction (DNR)	DNR	2DNR, 3DNR	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	RS485	RS485	
Case	Minidome, indoor environment	Minidome vandalproof	
IP degree protection		IP66	
Power supply	12 VDC	24 VAC	

## HIGH

			
	<b>Art. MPTZ801B</b>	<b>Art. HPTZ752B</b>	
Lens	Varifocal, 3.9 ÷ 85.8 mm, True Night Shot	Varifocal, 3.9 ÷ 85.8 mm, True Night Shot	
System	Day & Night	Day & Night	
Image sensor	1/4" CCD Sony EXview HAD	1/4" CCD Sony Super HAD II	
Horizontal resolution (colour)	700 TVL - 960H	700 TVL - 960H	
Zoom	22x optical / 16x digital, autofocus	22x optical / 16x digital, autofocus	
Alarm Input/Output	4 / 1	8 / 4	
Privacy zone	8	8	
Basic functions	160 Preset, 4 Tour, 4 Pattern, 4 Autoscan	240 Preset, 8 Tour, 8 Pattern, 16 Autoscan, Autotracking, Video Analytics	
IR filter mechanical removal	Yes	Yes	
Minimum Illumination (lux)	1 colour / 0.02 low shutter / 0.002 low shutter + ICR	0.1 colour / 0.00001 low shutter + ICR	
Backlight compensation	BLC	BLC	
Wide Dynamic Range (WDR)	Yes	Yes	
Digital Noise Reduction (DNR)	DNR	2DNR, 3DNR	
Video output	BNC, 1 Vp-p, 75 ohm	BNC, 1 Vp-p, 75 ohm	
Serial	RS485	RS485	
Case	Dome all-in-one vandalproof (WITHOUT bracket)	-	
IP degree protection	IP66	-	
Power supply	24 VAC	24 VAC	

# ANALOG CAMERAS AND LENSES

## PTZ CAMERAS

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### Art. MPTZ768B

Varifocal, 3.9 ÷ 85.8 mm  
Day & Night  
1/4" CCD Sony Super HAD II  
700 TVL - 960H  
22x optical / 16x digital, autofocus  
4 / 1  
8  
240 Preset, 8 Tour, 8 Pattern, 16  
Autoscan  
Yes  
0.1 colour / 0.00001 low shutter +  
ICR  
BLC, HLC  
Yes  
2DNR, 3DNR  
BNC, 1 Vp-p, 75 ohm  
RS485  
Minidome vandalproof  
IP66  
24 VAC



### Art. HPTZ756B

Varifocal, 3.4 ÷ 122.4 mm, True Night  
Shot  
Day & Night  
1/4" CCD Sony EXview HAD 960H  
700 TVL - 960H  
36x optical / 16x digital, autofocus  
8 / 4  
8  
240 Preset, 8 Tour, 8 Pattern, 16  
Autoscan, Autotracking, Video Analytics  
Yes  
0.1 colour / 0.00001 low shutter +  
ICR  
BLC  
Yes  
2DNR, 3DNR  
BNC, 1 Vp-p, 75 ohm  
RS485  
-  
-  
24 VAC

# ANALOG CAMERAS AND LENSES

## PTZ CAMERAS

**MPTZ766A**

**PTZ Day & Night colour minidome camera, MINITRAX series, optical zoom 22x with True Night Shot, 580 TVL resolution, case flush-mount suitable for indoor use.**

Camera sensor : 1/4" CCD Sony Super HAD II  
 Camera lens : Varifocal autoiris 3.9 - 85.8 mm Autofocus  
 Sensitivity (lux) : 0.5 (colour)  
 Mechanical removal of IR filter : Yes  
 Main functions : 120 Preset, 4 Pattern, 4 Tour, 4 Autoscan, 1 Alarm input/output, DNR, OSD  
 DC supply voltage : 12 V  
 Absorption : 8 W  
 Diameter (mm) : 154  
 Product height (mm) : 151


  
MIDDLE
**MPTZ767B**

**PTZ Day & Night colour minidome camera, MINITRAX series, optical zoom 22x, 700 TVL resolution, 960H, case IP66 waterproof and vandalresistant.**

Camera sensor : 1/4" CCD Sony Super HAD II  
 Camera lens : Varifocal autoiris 3.9 - 85.8 Autofocus  
 Camera digital zoom : 16x  
 Sensitivity (lux) : 0.5 (colour) / 0.00001 (B&W + low shutter)  
 Mechanical removal of IR filter : Yes  
 Main functions : 240 Preset, 8 Pattern, 8 Tour, 16 Autoscan, 4 Alarm inputs/1 output, WDR, 2/3DNR, 8 Privacy zones, Motion detection  
 AC supply voltage : 24 V  
 DC supply voltage : 12 V  
 Absorption : 12 W  
 Diameter (mm) : 154  
 Product height (mm) : 140


  
MIDDLE
**MPTZ768B**

**PTZ Day & Night colour minidome camera, MINITRAX series, optical zoom 22x, 700 TVL resolution, 960H, case IP66 waterproof and vandalproof.**

Camera sensor : 1/4" CCD Sony Super HAD II  
 Camera lens : Varifocal autoiris 3.9 - 85.8 Autofocus  
 Camera digital zoom : 16x  
 Sensitivity (lux) : 0.5 (colour) / 0.00001 (B&W + low shutter)  
 Mechanical removal of IR filter : Yes  
 Main functions : 240 Preset, 8 Pattern, 8 Tour, 16 Autoscan, 4 alarm inputs/1 output, WDR, 2/3DNR, 8 Privacy zones, Motion detection  
 AC supply voltage : 24 V  
 DC supply voltage : 12 V  
 Absorption : 57 W max  
 Diameter (mm) : 186  
 Product height (mm) : 239


  
MIDDLE

# ANALOG CAMERAS AND LENSES

## PTZ CAMERAS

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**MPTZ801B**

**PTZ Day & Night colour all-in-one dome camera, BIGTRAX series, optical zoom 22x, 700 TVL resolution, 960H, case IP66 waterproof and vandalproof (without bracket), complete of connection cables.**

Camera sensor : 1/4" CCD EXview HAD

Camera lens : Varifocal autoiris 3.9-85.8 Autofocus True Night Shot

Camera digital zoom : 16x

Sensitivity (lux) : 1 (colour) / 0.02 (low shutter) / 0.002 (low shutter + ICR)

Mechanical removal of IR filter : Yes

Main functions : 160 Preset, 4 Pattern, 4 Tour, 4 Autoscan, 4 alarm inputs, 1 alarm output, DNR, WDR, OSD, 8 Privacy zones

AC supply voltage : 24 V

Absorption : 42.4 W

Optional accessories (art.) : 40722, 40725, 40726, 40728, 40729

Diameter (mm) : 220

Product height (mm) : 250

MIDDLE



**HPTZ752B**

**PTZ Day & Night colour dome camera, NAKEDTRAX series, optical zoom 22x True Night Shot, 700 TVL resolution, 960H.**

Camera sensor : 1/4" CCD Sony Super HAD II

Camera lens : Varifocal autoiris 3.9 - 85.8 mm Autofocus

Camera digital zoom : 16x

Sensitivity (lux) : 0.1 (colour) / 0.00001 (B&W + low shutter)

Mechanical removal of IR filter : Yes

Main functions : 240 Preset, 8 Pattern, 8 Tour, 8 alarm inputs/4 outputs, DNR, DIS, WDR, 8 Privacy zones, Video Analytics

AC supply voltage : 24 V

Absorption : 20 W

Diameter (mm) : 125

Product height (mm) : 202

HIGH



**HPTZ756B**

**PTZ Day & Night colour dome camera, NAKEDTRAX series, optical zoom 36x True Night Shot, 700 TVL resolution, 960H.**

Camera sensor : 1/4" CCD Sony EXview HAD II

Camera lens : Varifocal autoiris 3.4 - 122.4 mm Autofocus

Camera digital zoom : 16x

Sensitivity (lux) : 0.1 (colour) / 0.00001 (B&W + low shutter)

Mechanical removal of IR filter : Yes

Main functions : 240 Preset, 8 Pattern, 8 Tour, 8 alarm inputs/4 outputs, DNR, DIS, WDR, 8 Privacy zones, Video Analytics

AC supply voltage : 24 V

Absorption : 20 W








Diameter (mm) : 125

Product height (mm) : 202

HIGH





# ANALOG CAMERAS AND LENSES

## PTZ ACCESSORIES

	40720	False-ceiling installation accessory for dome cameras NAKEDTRAX series art. 40752, 40756, HPTZ752B, HPTZ756B and IPPTZ777A.	
	40722	Corner installation accessory for universal dome housing, compatible with art. 40728, 40729 (with adapter art. 40725) and 40734, and with AFCAM series cameras (with adapter art. 40723).	
	40725	Fixing/anchoring plate for art. 40729 to be used in combination with art. 40722 and 40726.	
	40726	Pole-mounting accessory (pole diameter from 80 to 140 mm) for universal dome housing, can be used for art. 40728 , 40729 (with adapter art. 40725) and 40734 and AFCAM series cameras (with adapter art. 40723).	
	40727	Ceiling bracket for dome housing art. 40731.	
	40728	Wall mount bracket for dome housing art. 40731 and dome cameras art. 40768, 40801, MPTZ768B, MPTZ801B and IPPTZ779A.	
	40729	Wall bracket, with transformer and quick-fit connection, for dome cameras art. 40768, 40801, MPTZ768B, MPTZ801B and for dome housing art. 40731.	

# ANALOG CAMERAS AND LENSES

## PTZ ACCESSORIES

	<b>40731</b>	Dome housing for outdoor use without bracket, thermostat-controlled and fan-cooled, power supply 24 VAC, for dome cameras NAKEDTRAX series art. 40752, 40756, HPTZ752B, HPTZ756B and dome IP art. IPPTZ777A.	
	<b>40732</b>	Ceiling mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.	
	<b>40734</b>	Wall mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.	
	<b>40735</b>	Cables kit to connect dome cameras NAKEDTRAX series (with housing art. 40731) with the wall bracket with transformer and quick-fit connection art. 40729.	

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# ANALOG CAMERAS AND LENSES

## AFCAM

	<b>40761</b>	<p><b>AFZ Day &amp; Night colour camera, AFCAM series, optical zoom 22x, 580 TVL resolution.</b></p> <p>Camera sensor : 1/4" CCD EX-view HAD 760H          Camera lens : Varifocal autoiris 3.9 - 85.8 mm Autofocus          Camera digital zoom : 16x          Sensitivity (lux) : 0.5 (colour) / 0.05 (B&amp;W) / 0.001 (low shutter)          Mechanical removal of IR filter : Yes          Main functions : 10 Preset (zoom only), 1 Tour (zoom only), 2D/3D-DNR, WDR, OSD, 16 Privacy mask, Face detection, Motion          DC supply voltage : 12 V          Absorption : 4.5 W          Product width (mm) : 62          Product height (mm) : 62          Product depth (mm) : 105</p>	 HIGH
	<b>40762</b>	<p><b>AFZ Day &amp; Night minidome colour camera, AFCAM series, optical zoom 22x, 580TVL resolution, case IP66 waterproof and vandalresistant.</b></p> <p>Camera sensor : 1/4" CCD EX-view HAD 760H          Camera lens : Varifocal autoiris 3.9 - 85.8 mm Autofocus          Camera digital zoom : 16x          Sensitivity (lux) : 0.5 (colour) / 0.05 (B&amp;W) / 0.001 (low shutter)          Mechanical removal of IR filter : Yes          Main functions : 10 Preset (zoom only), 1 Tour (zoom only), 2D/3D-DNR, WDR, OSD, 16 Privacy mask, Face detection, Motion          DC supply voltage : 12 V          Absorption : 4.5 W          Diameter (mm) : 152          Product height (mm) : 120</p>	 HIGH
	<b>HAFZ763B</b>	<p><b>AFZ Day &amp; Night all-in-one colour camera, AFCAM series, optical zoom 22x, 700TVL resolution, 960H, case IP66 waterproof and vandalresistant, 70 infrared leds with a range of up to 80 meters.</b></p> <p>Camera sensor : 1/4" CCD Super HAD II 960H          Camera lens : Varifocal autoiris 3.9 - 85.8 mm Autofocus          Camera digital zoom : 16x          Sensitivity (lux) : 0.1 (colour) / 0.01 (B&amp;W) / 0 (leds IR ON)          Mechanical removal of IR filter : Yes          Main functions : 10 Preset (zoom), 1 Tour (zoom), 2D-DNR, 3D-DNR, WDR, DIS, DSS, OSD, 16 privacy zones, Motion detection          AC supply voltage : 24 V          DC supply voltage : 12 V          Absorption : 24 W max          Product width (mm) : 120          Product height (mm) : 131          Product depth (mm) : 339</p>	 HIGH

# ANALOG CAMERAS AND LENSES

## AFCAM ACCESSORIES

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	<b>40722</b>	Corner installation accessory for universal dome housing, compatible with art. 40728, 40729 (with adapter art. 40725) and 40734, and with AFCAM series cameras (with adapter art. 40723).	
	<b>40723</b>	Adapter plate between art. 40722 and 40726 and AFCAM camera art. 40763 and HAFZ763B.	
	<b>40726</b>	Pole-mounting accessory (pole diameter from 80 to 140 mm) for universal dome housing, can be used for art. 40728 , 40729 (with adapter art. 40725) and 40734 and AFCAM series cameras (with adapter art. 40723).	
	<b>40732</b>	Ceiling mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.	
	<b>40734</b>	Wall mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.	



# ANALOG CAMERAS AND LENSES

## LENSES

	42282	IR varifocal auto-iris DC-Drive lens from 2.7 to 12 mm, F1.3-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	<div><div></div></div> START
	42651	Varifocal auto-iris DC-Drive lens from 5 to 60 mm, F1.6-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	<div><div></div></div> START
	42246	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 2.4 to 6 mm, F1.2-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	<div><div></div></div> HIGH
	42308	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 3 to 8 mm, F1-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	<div><div></div></div> HIGH
	42412	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 4 to 12 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	<div><div></div></div> HIGH
	42550	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 5 to 50 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	<div><div></div></div> HIGH

## NOTES

## NOTES



## DVR

- codec H264, HDD S.M.A.R.T self-diagnostics, SSL encrypted transmission, WATERMARKING function, USB connectors for firmware updating, exporting of recorded images and PTZ camera management.
- high construction quality and recording quality for security purposes
- management with iRAS, for all DVR solutions: START, MIDDLE & HIGH and Networking
- control of storage devices with a vast range of management consoles which can be connected via RS232, RS485 and IP
- maximum flexibility with both digital and ANALOG matrixes





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## START

			
	<b>Art. SDVR040A</b>	<b>Art. SDVR080A</b>	
IPS in recording (PAL)	100@D1 / 960H	200@D1 / 960H	
Video compression	H264	H264	
Video inputs	4	8	
Main video outputs	1 BNC, 1 VGA, 1 HDMI	1 BNC, 1 VGA, 1 HDMI	
Spot video outputs	No	No	
Audio inputs	2	2	
Audio outputs	1	1	
Alarm inputs	4	4	
Alarm outputs	1	1	
HDD (SATA) in equipment	1 (500 GB)	1 (500 GB)	
Additional HDD (SATA)	No	1	
Burner	No	No	
Ethernet 10/100 network	1 RJ45	1 RJ45	
Serial ports	RS485	RS485	
Interfaces	2 USB	2 USB	
Local control	Front panel, remote controller	Front panel, remote controller	
Plug & Play Remote control	Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android	Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android	

## MIDDLE

			
	<b>Art. MDVR804B</b>	<b>Art. MDVR824B</b>	
IPS in recording (PAL)	100@CIF / 50@HALF-D1 / 25@D1	100@D1 / 960H	
Video compression	H264 - Watermarking	H264 - Watermarking	
Video inputs	4	4	
Main video outputs	1 BNC, 1 VGA	1 VGA, 1 HDMI	
Spot video outputs	No	No	
Audio inputs	No	4	
Audio outputs	No	1	
Alarm inputs	No	4	
Alarm outputs	No	1 relay	
HDD (SATA) in equipment	500 GB	500 GB	
Additional HDD (SATA)	No	No	
Burner	No	No	
Ethernet 10/100 network	1 RJ45	1 RJ45	
Serial ports	No	RS232, RS485	
Interfaces	1 USB	2 USB	
Local control	Remote controller	Front panel, remote controller	
Remote control	Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android	Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android	

## HIGH

		
	<b>Art. HDVR836B</b>	
IPS in recording (PAL)	400@D1 / 960H	
Video compression	H264 - Watermarking	
Video inputs	16 with loop	
Main video outputs	1 VGA, 1 HDMI	
Secondary video outputs	No	
Spot video outputs	1	
Audio inputs	4	
Audio outputs	1	
Alarm inputs	16	
Alarm outputs	2 relay	
HDD (SATA) in equipment	500 GB	
Additional HDD (SATA)	3	
Burner	DVD-RW	
Ethernet 10/100/1000 network	1 RJ45	
Serial ports	RS232, RS485	
Interfaces	2 USB, 1 eSATA	
Local control	Front panel, remote controller	
Remote control	Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android	

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## Art. SDVR160A

400@D1 / 960H

H264

16

1 BNC, 1 VGA, 1 HDMI

No

16

1

4

1

1 (500 GB)

1

No

1 RJ45

RS485

2 USB

Front panel, remote controller

Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android



## Art. MDVR828B

200@D1 / 960H

H264 - Watermarking

8

1 VGA, 1 HDMI

No

4

1

8

1 relay

500 GB

No

No

1 RJ45

RS232, RS485

2 USB

Front panel, remote controller

Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android



## Art. MDVR826B

400@D1 / 960H

H264 - Watermarking

16

1 VGA, 1 HDMI

No

4

1

16

1 relay

500 GB

1

No

1 RJ45

RS232, RS485

2 USB

Front panel, remote controller

Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android



## Art. MDVR808C

200@D1 / 960H

H264 - Watermarking

8 with loop

1 VGA, 1 HDMI

1

4

1

8

2 relay

500 GB

3

No

1 RJ45

RS232, RS485

2 USB

Front panel, remote controller

Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android



## Art. MDVR816C

400@D1 / 960H

H264 - Watermarking

16 with loop

1 VGA, 1 HDMI

1

4

1

16

2 relay

500 GB

3

No

1 RJ45

RS232, RS485

2 USB

Front panel, remote controller

Web browser, proprietary software, iPhone, iPad, mobile devices with OS Android

# ANALOG DVR START SERIES



## SDVR040A

### Stand-alone digital video recorder with 4 inputs, START series, 960H.

Video compression : H264  
 Operating system : Linux Embedded  
 Video inputs : 4 (BNC)  
 Main video output : 1 (BNC), 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : 2 (RCA) / 1 (RCA)  
 Alarm Inputs/Outputs : 4/1  
 Display / recording frame rate : 100 ips @ D1 / 960H Real Time  
 Hard disk capacity supplied : 500 GB (2 TB max)  
 Recording methods : Auto at start up, manual, scheduled, motion  
 Protocols supported : TCP/IP, DHCP, DDNS, PPPoE, SMTP, UPnP  
 Remote control via browser : Internet Explorer, Firefox, Chrome  
 Remote control by software : Yes  
 Remote control by mobile : App ESEENET+  
 Type of connections/ports : 2 x USB 2.0, 1 x Ethernet 10/100, 1 x RS485  
 AC supply voltage : 100 - 240 V  
 Absorption : 15 W  
 Product width (mm) : 270  
 Product height (mm) : 52  
 Product depth (mm) : 213


  
START


## SDVR080A

### Stand-alone digital video recorder with 8 inputs, START series, 960H.

Video compression : H264  
 Operating system : Linux Embedded  
 Video inputs : 8 (BNC)  
 Main video output : 1 (BNC), 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : 2 (RCA) / 1 (RCA)  
 Alarm Inputs/Outputs : 4/1  
 Display / recording frame rate : 200 ips @ D1 / 960H Real Time  
 Hard disk capacity supplied : 500 GB (2 TB max)  
 Additional hard disks (SATA) : 1 (2 TB max)  
 Recording methods : Auto at start up, manual, scheduled, motion  
 Protocols supported : TCP/IP, DHCP, DDNS, PPPoE, SMTP, UPnP  
 Remote control via browser : Internet Explorer, Firefox, Chrome  
 Remote control by software : Yes  
 Remote control by mobile : App ESEENET+  
 Type of connections/ports : 2 x USB 2.0, 1 x Ethernet 10/100, 1 x RS485  
 AC supply voltage : 100 - 240 V  
 Absorption : 15 W  
 Product width (mm) : 325  
 Product height (mm) : 52  
 Product depth (mm) : 253


  
START



# ANALOG DVR START SERIES

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## SDVR160A

### Stand-alone digital video recorder with 16 inputs, START series, 960H.

Video compression : H264

Operating system : Linux Embedded

Video inputs : 16 (BNC)

Main video output : 1 (BNC), 1 (VGA), 1 (HDMI)

Audio inputs/outputs : 16 (RCA) / 1 (RCA)

Alarm Inputs/Outputs : 4/1

Display / recording frame rate : 400 ips @ D1 / 960H Real Time

Hard disk capacity supplied : 500 GB (2 TB max)

Additional hard disks (SATA) : 1 (2 TB max)

Recording methods : Auto at start up, manual, scheduled, motion

Protocols supported : TCP/IP, DHCP, DDNS, PPPoE, SMTP, UPnP

Remote control via browser : Internet Explorer, Firefox, Chrome

Remote control by software : Yes

Remote control by mobile : App ESEENET+

Type of connections/ports : 2 x USB 2.0, 1 x Ethernet 10/100, 1 x RS485

AC supply voltage : 100 - 240 V

Absorption : 15 W

Product width (mm) : 423

Product height (mm) : 70

Product depth (mm) : 325



START

# ANALOG DVR

## START SERIES SOFTWARE



### COMELIT\_ CMS

#### COMELIT CMS management software for DVR START series.

Main functions:

- Multilingual GUI
- Viewing the images in live and the images recorded on the DVR
- DVR remote configuration
- Local recording and playback
- Can be connected via a unique code



### ESEENET

#### Mobile devices software "ESEENET+" for DVR START series.

Main functions:

- Graphical interface
- Viewing images in live
- Recording and playing in local
- Can be connected via a unique code
- Available for iOS and Android

# ANALOG DVR MIDDLE SERIES

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## MDVR804B

### Stand-alone digital video recorder with 4 inputs, RAS system, MIDDLE series, full-duplex function.

Video compression : H264  
Operating system : Linux Embedded  
Video inputs : 4 (BNC)  
Main video output : 1 (BNC), 1 (VGA)  
Display / recording frame rate : 100 ips @ CIF  
Hard disk capacity supplied : 500 GB (2 TB max)  
Recording methods : Auto at start up, manual, scheduled, event  
Protocols supported : TCP/IP, DHCP, DVRNS, PPPoE, SMTP  
Remote control via browser : Internet Explorer  
Remote control by software : Yes  
Remote control by mobile : Yes  
Type of connections/ports : 1 x USB 2.0, 1 x Ethernet 10 /100  
Main functions : HDD monitoring via S.M.A.R.T., Watermarking, SSL  
AC supply voltage : 100 - 240 V  
Absorption : 15 W  
Product width (mm) : 260  
Product height (mm) : 45  
Product depth (mm) : 187

MIDDLE



## MDVR824B

### Stand-alone digital video recorder with 4 inputs, RAS system, MIDDLE series, Pentaplex function, 960H.

Video compression : H264  
Operating system : Linux Embedded  
Video inputs : 4 (BNC)  
Main video output : 1 (HDMI), 1 (VGA)  
Audio inputs/outputs : 4/1  
Alarm Inputs/Outputs : 4/1  
Display / recording frame rate : 100 ips @ D1 / 960H Real Time  
Hard disk capacity supplied : 500 GB (3 TB max)  
Recording methods : Auto at start up, manual, scheduled, event  
Protocols supported : TCP/IP, DHCP, DVRNS, PPPoE, SMTP, UPnP  
Remote control via browser : Internet Explorer  
Remote control by software : Yes  
Remote control by mobile : Yes  
Type of connections/ports : 2 x USB 2.0, Ethernet 10/100/1000, RS485, RS232  
Main functions : HDD monitoring via S.M.A.R.T., Watermarking, SSL  
AC supply voltage : 100 - 240 V  
Absorption : 25W  
Product width (mm) : 265  
Product height (mm) : 52  
Product depth (mm) : 188

MIDDLE

# ANALOG DVR MIDDLE SERIES



## MDVR828B

### Stand-alone digital video recorder with 8 inputs, RAS system, MIDDLE series, Pentaplex function, 960H.

Video compression : H264  
 Operating system : linux Embedded  
 Video inputs : 8 (BNC)  
 Main video output : 1 (HDMI), 1 (VGA)  
 Audio inputs/outputs : 4/1  
 Alarm Inputs/Outputs : 8/1  
 Display / recording frame rate : 200 ips @ D1 / 960H Real Time  
 Hard disk capacity supplied : 500 GB (3 TB max)  
 Recording methods : Auto at start up, manual, scheduled, event  
 Protocols supported : TCP/IP, DHCP, DVRNS, PPPoE, SMTP, UPnP  
 Remote control via browser : Internet Explorer  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB 2.0, Ethernet 10/100/1000, RS485, RS232  
 Main functions : HDD monitoring via S.M.A.R.T., Watermarking, SSL  
 AC supply voltage : 100 - 240 V  
 Absorption : 25W  
 Product width (mm) : 265  
 Product height (mm) : 52  
 Product depth (mm) : 188

  
 MIDDLE


## MDVR826B

### Stand-alone digital video recorder with 16 inputs, RAS system, MIDDLE series, Pentaplex function, 960H.

Video compression : H264  
 Operating system : Linux Embedded  
 Video inputs : 16 (BNC)  
 Main video output : 1 (HDMI), 1 (VGA)  
 Audio inputs/outputs : 4/1  
 Alarm Inputs/Outputs : 16/1  
 Display / recording frame rate : 400 ips @ D1 / 960H Real Time  
 Hard disk capacity supplied : 500 GB (3 TB max)  
 Additional hard disks (SATA) : 1 (3 TB max)  
 Recording methods : Auto at start up, manual, scheduled, event  
 Protocols supported : TCP/IP, DHCP, DVRNS, PPPoE, SMTP, UPnP  
 Remote control via browser : Internet Explorer  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB 2.0, Ethernet 10/100/1000, RS485, RS232  
 Main functions : HDD monitoring via S.M.A.R.T., Watermarking, SSL  
 AC supply voltage : 100 - 240 V  
 Absorption : 70W  
 Product width (mm) : 300  
 Product height (mm) : 62  
 Product depth (mm) : 231

  
 MIDDLE

# ANALOG DVR MIDDLE SERIES

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## MDVR808C

**Stand-alone digital video recorder with 8 inputs, RAS system, MIDDLE series, Pentaplex function, 960H.**

Video compression : H264

Operating system : Linux

Video inputs : 8 (BNC) (+8 loop)

Main video output : 1 (VGA), 1 (HDMI)

Spot video output : 1 (BNC)

Audio inputs/outputs : 4/1 (RCA)

Alarm Inputs/Outputs : 8/2

Display / recording frame rate : 200 ips @ D1 / 960H Real Time

Hard disk capacity supplied : 500 GB

Additional hard disks (SATA) : 2 + eSATA

Recording methods : Auto at start up, Manual, Scheduled, Event

Protocols supported : TCP/IP, DHCP, DVRNS, PPPoE, SMTP

Remote control via browser : Internet Explorer

Remote control by software : Yes

Remote control by mobile : Yes

Type of connections/ports : 2 x USB 2.0, Ethernet 10/100/1000, RS485, RS232

Main functions : HDD monitoring via S.M.A.R.T., Watermarking, SSL, Support 960H resolution

AC supply voltage : 100 - 240 V

Absorption : 70 W

Product width (mm) : 430

Product height (mm) : 88

Product depth (mm) : 405



MIDDLE

# ANALOG DVR MIDDLE SERIES



## MDVR816C

**Stand-alone digital video recorder with 16 inputs, RAS system, MIDDLE series, Pentaplex function, 960H.**

Video compression : H264

Operating system : Linux

Video inputs : 16 (BNC) (+16 loop)

Main video output : 1 (VGA), 1 (HDMI)

Spot video output : 1 (BNC)

Audio inputs/outputs : 4/1 (RCA)

Alarm Inputs/Outputs : 16/2

Display / recording frame rate : 400 ips @ D1 / 960H Real Time

Hard disk capacity supplied : 500 GB

Additional hard disks (SATA) : 2 + eSATA

Recording methods : Auto at start up, manual, scheduled, event

Protocols supported : TCP/IP, DHCP, DVRNS, PPPoE, SMTP

Remote control via browser : Yes

Remote control by software : Yes

Remote control by mobile : iPhone, Android

Type of connections/ports : 2 x USB 2.0, Ethernet 10/100/1000, RS485, RS232

Main functions : HDD monitoring via S.M.A.R.T., Watermarking, SSL

AC supply voltage : 100 - 240 V

Absorption : 70 W

Product width (mm) : 430

Product height (mm) : 88

Product depth (mm) : 405

**MIDDLE**

# ANALOG DVR HIGH SERIES

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## HDVR836B

**Stand-alone digital video recorder, 16 analog inputs, RAS system, HIGH series, Pentaplex function, DVD burner included, 960H.**

Video compression : H264

Operating system : Linux

Video inputs : 16 (BNC) (+16 loop)

Main video output : 1 (VGA), 1 (HDMI)

Spot video output : 1 (BNC)

Audio inputs/outputs : 4 (RCA) / 1 (RCA)

Alarm Inputs/Outputs : 16/2

Display / recording frame rate : 400 ips @ D1 / 960H (Analog) Real Time

Hard disk capacity supplied : 500 GB

Additional hard disks (SATA) : 2 + eSATA

Recording methods : Auto at start up, Manual, Scheduled, Event

Protocols supported : TCP/IP, DHCP, DVRNS, PPPoE, SMTP

Remote control via browser : Internet Explorer

Remote control by software : Yes

Remote control by mobile : Yes

Type of connections/ports : 2 x USB 2.0, Ethernet 10/100/1000, RS485, RS232

Main functions : HDD monitoring via S.M.A.R.T., Watermarking, SSL

AC supply voltage : 100 - 240 V

Absorption : 46 W

Product width (mm) : 430

Product height (mm) : 88

Product depth (mm) : 400




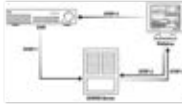


HIGH





# ANALOG DVR

## RAS SERIES SOFTWARE

	<b>IRAS</b>	<p>The iRAS (Remote Administration System) is a software designed and developed for use with DVRs, IP encoders and decoders and IP cameras. iRAS controls the system management, video monitoring and playback of images from multiple remote sites.</p> <p><b>Main functions:</b></p> <ul style="list-style-type: none"> <li>• Multilingual menu</li> <li>• Bidirectional audio</li> <li>• Checking and reporting on status of DVRs remotely</li> <li>• Notification of events recorded from remote sites</li> <li>• Remote monitoring of direct images from cameras by means of programmable layout and checking of pivot action for PTZ cameras</li> <li>• 'Panic' recording of images under surveillance</li> <li>• Search for recorded images based on the date/time and/or the event</li> <li>• Updating of software and programming of system remotely</li> <li>• Viewing and information system of the DVR event log remotely</li> <li>• Viewing of the status of the system</li> <li>• Remote monitoring of multiple sites, also with 3D graphics cards</li> <li>• Simultaneous connection with up to 256 images (128 for the searching of remote images)</li> <li>• Backups of film footage</li> <li>• Operating system Microsoft Windows Xp or higher</li> </ul>	
	<b>RASMOBILE</b>	<p>The RasMobile platform enables the user to access remote sites at any time and from virtually anywhere and to view images directly using a PDA with the Windows Mobile operating system (5.0 or higher) or Android.</p>	
	<b>RASMOBILE/ IPHONE</b>	<p>The RasMobile platform for iPhone® enables the user to access remote sites at any time and from virtually anywhere and to view images directly using an iPod Touch® or an iPhone® (OS 4.0 or higher) from Apple®.</p>	
	<b>DVRNS</b>	<p>The use of static IP addresses on LAN/WLAN networks requires higher management charges and this increases costs. It is essential that digital video recorders (DVRs) are able to support dynamic IP addresses on networks that use the DHCP protocol (Dynamic Host Configuration Protocol). This reduces costs and increases the benefits to users of the system.</p>	

# ANALOG DVR HARD DISK

	<b>49323</b>	<b>500 GB SATA Hard Disk, specific for video surveillance.</b>	
	<b>49324</b>	<b>1 TB SATA Hard Disk, specific for video surveillance.</b>	

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**ANALOG**

## KEYBOARDS, MATRICES

- flexible installation
- easy system operation and configuration
- standalone and multipoint applications, plus full integration into the iRAS platform





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MATRICES 77



# ANALOG

## KEYBOARDS AND MATRICES

### KEYBOARDS

	<b>40705</b>	<b>RS485 keyboard, CONTROLLER series.</b> Type of display : LCD Type of joystick : Movement on 3 axes, variable-speed Backlighting colour : Green Type of connections/ports : 2 x RS485, 1 x RS232 Main functions : Management of slave keyboards, PTZ cameras, DVR DC supply voltage : 12 V Absorption : 6 W Product width (mm) : 405 Product height (mm) : 107 Product depth (mm) : 176	 MIDDLE
	<b>40707</b>	<b>RS485 keyboard for analog matrix, CONTROLLER series.</b> Type of display : LCD Type of joystick : Movement on 3 axes, variable-speed Backlighting colour : Green Type of connections/ports : 2 x RS485, 1 x RS232 Main functions : Management of slave keyboards, PTZ cameras, DVR, matrix art. 45332 DC supply voltage : 12 V Absorption : 6 W Product width (mm) : 405 Product height (mm) : 176 Product depth (mm) : 107	 MIDDLE

# ANALOG KEYBOARDS AND MATRICES MATRICES

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**45316**

## **Digital video matrix with 16 inputs, MATRIX series.**

Video input : 16 (BNC) + loop  
Video output : 9 (BNC - 1 multiscreen, 4 quad/full-screen, 4 full-screen)  
Ports : RS485, Ethernet 10/100  
Alarm Inputs/Outputs : 16/2  
Main functions : Motion Detection, Video Loss  
AC supply voltage : 100 - 240 V  
Absorption : 30 W  
Product width (mm) : 430  
Product height (mm) : 88  
Product depth (mm) : 400

MIDDLE

**45332**

## **ANALOG video matrix with 32 inputs, MATRIX series.**

### **Power supply in equipment.**

Video input : 32 (BNC)  
Video output : 8 (BNC)  
Ports : RS485, RS232  
Alarm Inputs/Outputs : 16/2  
Main functions : Programming of 80 sequences, 80 Groups, 80 Macro, access via Password  
DC supply voltage : 12 V  
Absorption : 15 W  
Product width (mm) : 432  
Product height (mm) : 88  
Product depth (mm) : 310

HIGH



**ANALOG**

## HOUSINGS AND LIGHTING SYSTEMS

- vast range for all applications
- perfect recording, even in poor light
- LED lighting



## ANALOG

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# ANALOG

## HOUSINGS AND ILLUMINATORS

### STANDARD SERIES

	44030	Short wall/ceiling bracket for cameras, maximum load 2 kg, length 140 mm, made of aluminium painted with epoxy-polyester powders, aluminium colour.	
	44130	Waterproof outdoor/indoor housing with sunshield, thermostat-controlled heating, power supply 230 VAC, sliding opening action, case in ABS and die-cast aluminium, IP66 waterproof, RAL9002 colour, useful dimensions (W x H x D) 76 x 76 x 270 mm, weight 2.13 kg. Bracket included.	<div data-bbox="1353 647 1449 667" style="border: 1px solid red; width: 60px; height: 10px; display: inline-block;"></div> START
	44131	Pole mount accessory for housing art. 44130, pole diameter from 50 to 110 mm.	

# ANALOG HOUSINGS AND ILLUMINATORS UNICA SERIES

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	<p><b>44120</b></p>	<p><b>Waterproof outdoor/indoor housing with sunshield, UNICA series, protected cable passage, thermostat-controlled heater, power supply 230 VAC, back opening, die-case aluminium housing, IP66 waterproof, RAL9002 colour, useful dimensions (W x H x D) 100 x 75 x 270 mm, weight 4 kg. Bracket included.</b></p> <p>Product width (mm) : 135,42 Product height (mm) : 226,67 Product depth (mm) : 468,1</p>	<p><b>HIGH</b></p>
	<p><b>44122</b></p>	<p><b>Waterproof outdoor/indoor housing with sunshield, UNICA series, vandalproof, protected cable passage, thermostat-controlled heater and ventilation, power supply 24 VAC, back opening, die-case aluminium housing, IP66 waterproof, RAL9002 colour, useful dimensions (W x H x D) 100 x 75 x 270 mm, weight 4 kg. Bracket included.</b></p> <p>Product width (mm) : 135,42 Product height (mm) : 226,67 Product depth (mm) : 468,1</p>	<p><b>HIGH</b></p>
	<p><b>44124</b></p>	<p><b>Waterproof outdoor/indoor housing with sunshield, UNICA series, vandalproof with unbreakable glass, protected cable passage, thermostat-controlled heater and ventilation, power supply 24 VAC, back opening, die-case aluminium housing, IP66 waterproof, RAL9002 colour, useful dimensions (W x H x D) 100 x 75 x 270 mm, weight 4 kg. Bracket included.</b></p> <p>Product width (mm) : 135,42 Product height (mm) : 226,67 Product depth (mm) : 468,1</p>	<p><b>HIGH</b></p>

## ANALOG


**HOUSINGS AND ILLUMINATORS**

## ACCESSORIES UNICA SERIES

	<b>44102</b>	Medium ceiling bracket for housing UNICA series, maximum load 15 kg, length 450 mm, made of die-cast aluminium painted with epoxy-polyester powders, RAL9002 colour.	
	<b>44103</b>	Pole mount accessory for housing bracket UNICA series, maximum load 20 kg, made of aluminium painted with epoxy-polyester powders, RAL9002 colour, integrated cable passage, pole diameter from 50 to 140 mm.	
	<b>44104</b>	Pole mount accessory for housing bracket UNICA series, maximum load 40 kg, made of aluminium painted with epoxy-polyester powders, RAL9002 colour, integrated cable passage, pole diameter from 50 to 140 mm. Possibility to install two housings.	
	<b>44106</b>	Corner accessory for housing brackets UNICA series, maximum load 20 kg, made of aluminium painted with epoxy-polyester powders, RAL9002 colour.	
	<b>44194</b>	Power supply unit for housing, input 230 VAC / 50-60 Hz, output 12 VDC / 0.4A, suitable for housing art. 44120, 44122.	
	<b>44195</b>	Transformer unit for housing, input 230 VAC / 50-60 Hz, output 24 VAC / 0.4A, suitable for housing art. 44120, 44122.	
	<b>44121</b>	Ventilation kit for UNICA series housing art. 44120, power supply 230 VAC.	

# ANALOG HOUSINGS AND ILLUMINATORS

## ACCESSORIES UNICA SERIES

	<b>44129</b>	<b>Adapter to mount the infrared led illuminators art. 44671, 44672, 44673 and 44674 on housings UNICA series.</b>	
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# ANALOG

## HOUSINGS AND ILLUMINATORS

### EXTREME 1 SERIES

	<b>44180</b>	Waterproof housing, EXTREME series, for outdoor/indoor environment with sunshield, thermostat-controlled heater, temperature from -40°C to +50°C, AISI 316L stainless steel case, waterproof IP66, power supply from 100 to 240 VAC, useful dimensions (W x H x D) 85 x 92 x 251 mm, weight 6 kg. Wall bracket art. 44160 NOT included.	 HIGH
	<b>44181</b>	Waterproof housing, EXTREME series, for outdoor/indoor environment with sunshield, thermostat-controlled heater, temperature from -40°C to +50°C, AISI 316L stainless steel case, waterproof IP66, power supply 24 VAC, useful dimensions (W x H x D) 85 x 92 x 251 mm, weight 6 kg. Wall bracket art. 44160 NOT included.	 HIGH
	<b>44183</b>	Waterproof housing, EXTREME series, for outdoor/indoor environment with sunshield, thermostat-controlled heater, temperature from -40°C to +50°C, AISI 316L stainless steel case, waterproof IP66, germanium glass, spacer for camera, power supply from 100 to 240 VAC, useful dimensions (W x H x D) 85 x 92 x 251 mm, weight 6 kg. Wall bracket art. 44160 NOT included.	 HIGH
	<b>44184</b>	Waterproof housing, EXTREME series, for outdoor/indoor environment with sunshield, thermostat-controlled heater, temperature from -40°C to +50°C, AISI 316L stainless steel case, waterproof IP66, wiper, power supply from 100 to 240 VAC, useful dimensions (W x H x D) 85 x 92 x 251 mm, weight 6 kg. Wall bracket art. 44160 NOT included.	 HIGH

# ANALOG HOUSINGS AND ILLUMINATORS

## ACCESSORIES EXTREME 1 SERIES

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**44186**

**25-liters tank for housing EXTREME series art. 44184.**

## ANALOG

## HOUSINGS AND ILLUMINATORS

## EXTREME 2 SERIES

	44140	<p>Waterproof housing, EXTREME series, for outdoor/indoor environment with sunshield, liquid cooled, thermostat-controlled heater, maximum temperature 130°C (400°C with Vycor glass art. 44145), power supply from 100 to 240 VAC, AISI 316L stainless steel case, waterproof IP68 for immersion up to 10 meters, 2 cable glands M16x1.5, useful dimensions (W x H x D) 85 x 85 x 282 mm, weight 11.9 kg.</p> <p>Wall bracket art. 44160 NOT included.</p>	 HIGH
	44141	<p>Waterproof housing, EXTREME series, for outdoor/indoor environment with sunshield, liquid cooled, thermostat-controlled heater, maximum temperature 130°C (400°C with Vycor glass art. 44145), power supply 24 VAC, AISI 316L stainless steel case, waterproof IP68 for immersion up to 10 meters, 2 cable glands M16x1.5, useful dimensions (W x H x D) 85 x 85 x 282 mm, weight 11.9 kg.</p> <p>Wall bracket art. 44160 NOT included.</p>	 HIGH

# ANALOG HOUSINGS AND ILLUMINATORS

## ACCESSORIES EXTREME 2 SERIES

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	<b>44143</b>	<b>Flange with air barrier to clean the glass on housing EXTREME series art. 44140 and 44141.</b>	
	<b>44144</b>	<b>Group of filters compressed air with pressure gauge for air barrier EXTREME series art. 44143.</b>	
	<b>44145</b>	<b>Vycor glass for high temperatures (only available in combination with art. 44143) for EXTREME series housing art. 44140 and 44141.</b>	
	<b>44146</b>	<b>Infrared filter (only available in combination with art. 44147) for EXTREME series housing art. 44140 and 44141.</b>	
	<b>44147</b>	<b>Infrared filter holder (only available in combination with art. 44146) for EXTREME series housing art. 44140 and 44141.</b>	



# ANALOG





## HOUSINGS AND ILLUMINATORS

### EXTREME 3 SERIES

	44150	Waterproof housing, EXTREME series, ATEX and IECEX certified, for indoor/outdoor environment classified 1-21 and areas in which potentially explosive atmospheres may form, thermostat-controlled heating, cable glands for gas categories IIA (propane) and IIB (ethylene), cable glands size 1/2" or 3/4" on request, temperature from -20°C to +50°C, anticorrosional aluminium case IP66/67, useful dimensions (W x H x D) 110 x 84 x 220 mm, weight 11 kg. Wall bracket art. 44160 NOT included.	 HIGH
	44151	Waterproof housing, EXTREME series, ATEX and IECEX certified, for indoor/outdoor environment classified 1-21 and areas in which potentially explosive atmospheres may form, thermostat-controlled heating, cable glands for gas categories IIA (propane) and IIB (ethylene), cable glands size 1/2" or 3/4" on request, temperature from -20°C to +50°C, anticorrosional aluminium case IP66/67, germanium glass and grid, useful dimensions (W x H x D) 110 x 84 x 220 mm, weight 11 kg. Wall bracket art. 44160 NOT included.	 HIGH
	44152	Waterproof housing, EXTREME series, ATEX and IECEX certified, for indoor/outdoor environment classified 1-21 and areas in which potentially explosive atmospheres may form, thermostat-controlled heating, cable glands for gas categories IIC (acetylene and hydrogen), cable glands size 1/2" or 3/4" on request, temperature from -20°C to +50°C, anticorrosional aluminium case IP66/67, useful dimensions (W x H x D) 110 x 84 x 220 mm, weight 11 kg. Wall bracket art. 44160 NOT included.	 HIGH
	44153	Waterproof housing, EXTREME series, ATEX and IECEX certified, for indoor/outdoor environment classified 1-21 and areas in which potentially explosive atmospheres may form, thermostat-controlled heating, cable glands for gas categories IIC (acetylene and hydrogen), cable glands size 1/2" or 3/4" on request, temperature from -20°C to +50°C, anticorrosional aluminium case IP66/67, germanium glass with grid, useful dimensions (W x H x D) 110 x 84 x 220 mm, weight 11 kg. Wall bracket art. 44160 NOT included.	 HIGH
	44154	Waterproof housing, EXTREME series, ATEX and IECEX certified, for indoor/outdoor environment classified 1-21 and areas in which potentially explosive atmospheres may form, thermostat-controlled triple-heating, cable glands for gas categories IIA (propane), IIB (ethylene) and IIC (acetylene and hydrogen), cable glands size 1/2" or 3/4" on request, temperature from -50°C to +50°C, anticorrosional aluminium case IP66/67, useful dimensions (W x H x D) 110 x 84 x 220 mm, weight 11 kg. Wall bracket art. 44160 NOT included.	 HIGH

# ANALOG HOUSINGS AND ILLUMINATORS

## EXTREME 3 SERIES

	44155	<p>Waterproof housing, EXTREME series, ATEX and IECEX certified, for indoor/outdoor environment classified 1-21 and areas in which potentially explosive atmospheres may form, thermostat-controlled triple-heating, cable glands for gas categories IIC (acetylene and hydrogen), cable glands size 1/2" or 3/4" on request, temperature from -50°C to +50°C, anticorrosional aluminium case IP66/67, useful dimensions (W x H x D) 110 x 84 x 220 mm, weight 11 kg.</p> <p>Wall bracket art. 44160 NOT included.</p>	 HIGH
	44156	<p>Waterproof housing, EXTREME series, ATEX and IECEX certified, for mines (firedump gas), thermostat-controlled heating, cable glands for gas categories IIC (acetylene and hydrogen), cable glands size 1/2" or 3/4" on request, temperature from -20°C to +50°C, stainless steel AISI316L or brass B14 case, protection degree IP66/67, useful dimensions (W x H x D) 110 x 84 x 220 mm, weight 11 kg.</p> <p>Wall bracket art. 44160 NOT included.</p>	 HIGH

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# HOUSINGS AND ILLUMINATORS

ACCESSORIES EXTREME 3 SERIES

**44159**

**Protective glass grid for housing EXTREME series art. 44150, 44151, 44152, 44153, 44154, 44155, 44156.**

# ANALOG HOUSINGS AND ILLUMINATORS

## ACCESSORIES EXTREME 1-2-3 SERIES

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	<b>44160</b>	<b>Stainless steel INOX 316L wall bracket for all housings EXTREME series, weight 2.9 kg.</b>	
	<b>44161</b>	<b>Sunshield in stainless steel INOX 316L for EXTREME series housings art. 44150, 44151, 44152, 44153, 44154, 44155, 44156.</b>	
	<b>44162</b>	<b>Stainless steel INOX 316L angle adapter, for all EXTREME series housings.</b>	
	<b>44163</b>	<b>Stainless steel INOX 316L pole adapter for all EXTREME series housings.</b>	
	<b>44164</b>	<b>Stainless steel INOX 316L ceiling adapter for all EXTREME series housings.</b>	
	<b>44173</b>	<b>Thermostat-controlled heating powered at 100/230 VAC, suitable for EXTREME series housings.</b>	
	<b>44174</b>	<b>Thermostat-controlled heating powered at 12 VDC, suitable for EXTREME series housings.</b>	

## ANALOG

# HOUSINGS AND ILLUMINATORS

## ACCESSORIES EXTREME 1-2-3 SERIES

	<b>44175</b>	Thermostat-controlled heating powered at 24 VAC, suitable for EXTREME series housings.	
	<b>44176</b>	Thermostat-controlled triple-heating powered at 100/230 VAC, suitable for EXTREME series housings.	
	<b>44177</b>	Thermostat-controlled triple-heating powered at 12 VDC, suitable for EXTREME series housings.	
	<b>44178</b>	Thermostat-controlled triple-heating powered at 24 VAC, suitable for EXTREME series housings.	

# ANALOG HOUSINGS AND ILLUMINATORS

## INFRARED ILLUMINATORS

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	44671	Infrared LED illuminator, power supply 230 VAC, twilight switch built-in, angle of illumination 15°, distance of illumination 150 m, wavelength 850nm, absorption 16W, dimensions (W x H x D) 192 x 195 x 83 mm, weight 2,160 Kg.	 MIDDLE
	44672	Infrared LED illuminator, power supply 230 VAC, twilight switch built-in, angle of illumination 30°, distance of illumination 100 m, wavelength 850nm, absorption 16W, dimensions (W x H x D) 192 x 195 x 83 mm, weight 2,160 Kg.	 MIDDLE
	44673	Infrared LED illuminator, power supply 230 VAC, twilight switch built-in, angle of illumination 60°, distance of illumination 70 m, wavelength 850nm, absorption 16W, dimensions (W x H x D) 192 x 195 x 83 mm, weight 2,160 Kg.	 MIDDLE
	44674	Infrared LED illuminator, power supply 230 VAC, twilight switch built-in, angle of illumination 120°, distance of illumination 35 m, wavelength 850nm, absorption 16W, dimensions (W x H x D) 192 x 195 x 83 mm, weight 2,160 Kg.	 MIDDLE
	44129	Adapter to mount the infrared led illuminators art. 44671, 44672, 44673 and 44674 on housings UNICA series.	
	44660	Photoelectric cell-operated twilight switch, contact load 5A (1200W at 230 VAC), switch-on delay 10 seconds, switch-off delay 240 seconds, IP66 waterproof polycarbonate case.	



**ANALOG**

## TRANSMISSION AND ACCESSORIES

- video signal distribution and transmission
- transporting the images over various distances.



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TRANSMISSION AND ACCESSORIES

WIRELESS TRANSMISION

	48086	Multifunctional all-in-one data transceiver 5GHz, built-in 13dBi antenna, IEEE 802.11a (compatible 808.11h), interface by LAN 10/100, configurable as Access Point, Client, WDS Bridge, Repeater, router WISP or router AP, PoE power supply (power supply in equipment), waterproof plastic housing.	<div></div> <div>HIGH</div>
	48087	Wall/pole metallic mounting kit for video transceiver art. 48086.	

# TRANSMISSION AND ACCESSORIES

## FIBER OPTIC TRANSMISSION

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	48201	Miniaturised video transmitter (PAL/SECAM/NTSC) via multimodal optical fiber, wavelength 850 nm, BNC-type video input connector, ST-type optical connector, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48211	19" rack (1 slot) video transmitter (PAL/SECAM/NTSC) via multimode optical fiber, wavelength 850 nm, BNC-type video input connector, ST-type optical connector, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48212	19" rack (1 slot) video transmitter (PAL/SECAM/NTSC) via 2 multimode optical fibers, 2 video inputs, wavelength 850 nm, BNC-type video input connectors, ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48221	Stand-alone video transmitter (PAL/SECAM/NTSC) via multimode optical fiber, wavelength 850 nm, BNC-type video input connector, ST-type optical connector, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48222	Stand-alone video transmitter (PAL/SECAM/NTSC) via 2 multimode optical fibers, 2 video inputs, wavelength 850 nm, BNC-type video input connectors, ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48291	Stand-alone RS485 data transmitter via multimode optical fiber, wavelength 850 nm, Mini DIN-type data input connector, ST-type optical connector, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48311	19" rack (1 slot) video receiver (PAL/SECAM/NTSC) via multimode optical fiber, wavelength 850 nm, BNC-type video output connector, ST-type optical connector, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH

# ANALOG TRANSMISSION AND ACCESSORIES

## FIBER OPTIC TRANSMISSION

	48312	19" rack (1 slot) video receiver (PAL/SECAM/NTSC) via 2 multimode optical fibers, 2 video outputs, wavelength 850 nm, BNC-type video output connectors, ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48321	Stand-alone video receiver (PAL/SECAM/NTSC) via multimode optical fiber, wavelength 850 nm, BNC-type video output connector, ST-type optical connector, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48322	Stand-alone video receiver (PAL/SECAM/NTSC) via 2 multimode optical fibers, 2 video outputs, wavelength 850 nm, BNC-type video output connectors, ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48391	Stand-alone RS485 data receiver via multimode optical fiber, wavelength 850 nm, Mini DIN-type data output connector, ST-type optical connector, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48400	Stand-alone transceiver via 2 multimode optical fibers, video transmitter, data transceiver (RS232/RS485/RS422), wavelength 850 nm, BNC-type video input connector, Mini DIN-type data connector, 2 ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48401	Stand-alone transceiver via 2 multimode optical fibers, video receiver, data transceiver (RS232/RS485/RS422), wavelength 850 nm, BNC-type video output connector, Mini DIN-type data connector, 2 ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48410	19" rack (1 slot) transceiver via 2 multimode optical fibers, video transmitter, data transceiver (RS232/RS485/RS422), wavelength 850 nm, BNC-type video input connector, Mini DIN-type data connector, 2 ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH

# ANALOG TRANSMISSION AND ACCESSORIES

## FIBER OPTIC TRANSMISSION

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	48411	19" rack (1 slot) transceiver via 2 multimode optical fibers, video receiver, data transceiver (RS232/RS485/RS422), wavelength 850 nm, BNC-type video output connector, Mini DIN-type data connector, 2 ST-type optical connectors, power supply 12 VDC, aluminium case, aluminium colour.	 HIGH
	48442	Active converter from LAN 10/100 Base to multimode optical fiber and from multimode optical fiber to LAN 10/100 Base, RJ45-type connector for LAN, 2 ST-type optical connectors, half/full duplex, power supply 5 VDC, plastic case, anthracite colour, power supply included.	 HIGH
	48501	19" rack (3 units) case for transmitters/receivers via optical fibers, 14 slots (10 for the transmission/reception modules), front-loading, aluminium case, aluminium colour.	 HIGH
	48502	19" rack (3 units) case for transceivers via optical fiber, 10 slots available for the transmission/reception modules, front-loading, aluminium case, aluminium colour, power supply included.	 HIGH
	48506	Blank panel for 19" rack case (1 slot), made in aluminium, aluminium colour, suitable for art. 48501 and 48502.	 HIGH
	48511	Power supply unit for 19" rack case (4 slots), power supply from 85 to 264 VAC / 50-60 Hz, output voltage 12 VDC, protected against short-circuits and overloads, aluminium case, aluminium colour, suitable for art. 48501.	 HIGH
	48650	19" rack case (2.5 units) for converters from LAN 10/100 Base to multimode optical fiber / from multimode optical fiber to LAN 10/100 Base, 15 slots, front-loading, power supply 230 VAC, metallic case, black colour, suitable for art. 48442.	 HIGH

## ANALOG

## TRANSMISSION AND ACCESSORIES

## FIBER OPTIC TRANSMISSION

	48652	19" rack (1 unit) optical box, 24 empty positions for ST-ST dowels, painted sheet metal case, colour gray RAL7035.	 HIGH
	48654	Pass-through connector type ST-ST for multimode optical fiber, panel mount, suitable for art. 48652.	 HIGH
	48656	Bi-fiber strap for 50/125 multimode optical fiber, length 2 metres, terminated at both ends with ST-ST connectors.	 HIGH

# TRANSMISSION AND ACCESSORIES

## ANALOG

### UTP TRANSMISSION

ANALOG















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	<b>SUTP610C</b>	Passive kit for the conversion of the video signal on the cable CAT5/UTP and vice-versa, BNC connectors for video signal input/output, screw terminals for connecting the cable CAT5/UTP, maximum distance 300 m (colour) / 600 m (black and white), plastic cases, black color.	 START
	<b>48611</b>	Passive transmitter/receiver of video signal on CAT5/UTP cable and vice-versa, BNC-type connectors for video signal input/output, terminal screws for the connection of UTP/CAT 5 cable, maximum distance 300 metres (colour) / 600 metres (black & white), plastic case, black colour.	 START
	<b>48613</b>	Active video signal transmitter on UTP/CAT5 cable, BNC-type connector for video input, screw terminals for connection of UTP/CAT5 cable and power supply, maximum distance 1200 metres (colour) / 2000 metres (black & white) with active video signal receiver art. 48615, plastic case, black colour, power supply included.	 START
	<b>48615</b>	Active video signal receiver on UTP/CAT5 cable, BNC-type connector for video signal output, screw terminals for connection of UTP/CAT5 cable and power supply, maximum distance 1200 metres (colour) / 2000 metres (black & white) with active video signal transmitter art. 48613, plastic case, black colour, power supply included.	 START
	<b>48621</b>	19" rack (1 unit) video signal passive receiver on UTP/CAT5 cable, 16 BNC-type connectors for video signal output, terminal screws for UTP/CAT5 cable connection, maximum distance 300 metres (colour) / 600 metres (black & white) with passive transmitter, metallic case, black colour.	 START
	<b>48623</b>	19" rack (1 unit) video signal active receiver on UTP/CAT5 cable, 16 BNC-type connectors for video signal output, terminal screws for UTP/CAT5 cable connection, maximum distance 1200 metres (colour) / 2000 metres (black & white) with active transmitter, power supply 12 VDC, metallic case, black colour.	 START
	<b>48752</b>	Passive converter from RS232 to RS485 (PTZ and Dome cameras), 1 DB9-type connector for RS232 input, 1 screw terminal for RS485 output (32 ID max), half duplex, baud rate auto-configuration, plastic case, gray colour.	 START

ANALOG

TRANSMISSION AND ACCESSORIES

UTP TRANSMISSION



SCON752B

Active converter from RS232 to RS485 (PTZ and Dome cameras), 1 DB9-type connector for RS232 input, 1 screw terminal for RS485 output (32 ID max), half duplex, baud rate auto-configuration, 5 VDC power supply (power supply included), plastic case, gray colour.

START

# TRANSMISSION AND ACCESSORIES

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	48758	19" rack (1 unit) serial active distributor from RS232/RS485 to 8 x RS485, 1 DB9-type connector for RS232 input, two screw terminals for RS485 input, 8 screw terminals for RS485 outputs, maximum distance 1200 metres, 12 VDC power supply, metallic case, black colour, power supply included.	
	43012	Converter voltage-stabilised, input from 20 to 28 VAC / from 16 to 30 VDC, output 12 VDC / 0.5 A.	
	43202	Protection against electrostatic discharge on the coaxial cable, metal case.	
	43208	Protection against electrostatic discharge on the coaxial cable, on the data cable and on the low-voltage power cable, black metal case.	
	43212	Passive filter corrector, eliminates the interference caused by different earth/ground potentials (ground loop).	
	4555/A	video distributor, 1 input, 4 outputs, 12 VDC power supply, din plastic cladding (4 modules), white colour scheme.	
	43112	Amplified video distributor, 1 video input, 2 video outputs, maximum distance using RG59 cable 1000 metres, 12 VDC power supply, plastic case, power supply included.	



# ANALOG

## TRANSMISSION AND ACCESSORIES

### MISCELLANEOUS

	43116	19" rack amplified video distributor, 8 video inputs, 16 video outputs, maximum distance using RG59 cable 1000 metres, 12 VDC power supply, metal case, power supply included.	
	43117	19" rack video distributor, 8 video inputs, 16 video-programmable outputs, 12 VDC power supply, metal case, power supply included.	
	43132	19" rack amplified video distributor, 16 inputs, 32 outputs, maximum distance using RG59 cable 1000 metres, 12 VDC power supply, metal case, power supply included.	
	43528	Programmable video distributor, 2 inputs, 8 outputs, PAL/NTSC, 12 VDC power supply, metal case, colour grey, power supply included.	
	43600	3.5" LCD video tester, resolution 320x240, power supply with rechargeable batteries, plastic case, 1 video input, 1 video output. Additional functions: measuring video signal level, AC & DC tester, PTZ test, test monitor. Battery charger included.	
	43610	Ultra-sensitive microphone with 45 cm of cable, 12 VDC power supply.	
	44950	Audio/video modulator, bands S and III, audio/video inputs with RCA connectors, modulated output available with TV connector, 230 VAC power supply, plastic case, black colour.	

# TRANSMISSION AND ACCESSORIES

ANALOG  
MISCELLANEOUS



## SVGA671B

Active converter from composite video signal (PAL/NTSC) to VGA signal, 1 BNC connector for video input, 1 VGA connector for video output, built-in ESD protection, 5 VDC power supply, metallic case, black colour, power supply included.

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## ANALOG

## TRANSMISSION AND ACCESSORIES

## COAX TRANSMISSION

	43660	BNC connector to be welded and screwed, body of nickel-plated brass with teflon insulation, appropriate for cable item 43751-RG/59U (box of 50 units).	
	43661	BNC connector to be crimped, body of nickel-plated brass with teflon insulation, appropriate for cable item 43751-RG59/U (box of 50 units).	
	43662	Adapter from socket BNC to socket BNC, body of nickel-plated brass with polyester insulation, appropriate for connectors art. 43660, 43661, 43663 and art. 43665 (box of 10 units).	
	43663	BNC connector to be crimped, body of nickel-plated brass with teflon insulation, appropriate for cable art. 43753-RG174, 43754 (box of 50 units).	
	43665	BNC plug with right-angle bracket to be screwed, body of nickel-plated brass with polypropylene insulation, appropriate for cable art. 43751-RG59/U, 43753-RG174 and art. 43754 (box of 50 units).	
	43668	T adapter from BNC plug to dual BNC socket, body of nickel-plated brass with polyester insulation, appropriate for connectors art. 43660, 43661, 43663 and art. 43665 (box of 10 units).	
	43950	Adapter for RCA male connector to BNC female connector, body of nickel-plated brass with PTFE insulation.	

# ANALOG TRANSMISSION AND ACCESSORIES

## COAX TRANSMISSION

ANALOG







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	43952	BNC connector to be welded and screwed, body of nickel-plated brass with Teflon insulation, appropriate for Comelit cable art. 43752-RG11.	
	43960	RCA male connector, body of nickel-plated brass with bakelite insulation, terminals to be welded, cable clamp to crimp.	
	43970	Female jack connector, body of nickel-plated brass, cable clamp to crimp.	
	43971	Male jack connector, body of nickel-plated brass, cable clamp to crimp, diameter of central pin: 2.1 mm.	
	43751	RG59/U coaxial cable, impedance 75 ohm, 0.6 mm wire, copper shielding, solid polythene insulation, PVC sheath, black colour, suitable for medium lengths (300 m max at colour).	
	43752	RG11 coaxial cable, impedance 75 ohm, 0.6 mm wire, copper shielding, solid polythene insulation, PVC sheath, black colour, suitable for long lengths (600 m max at colour).	
	43753	RG174 miniaturized coaxial cable, impedance 75 ohm, 0.6 mm wire, copper shielding, solid polythene insulation, PVC sheath, black colour, suitable for short lengths (15 m max at colour).	

## ANALOG

## TRANSMISSION AND ACCESSORIES

## COAX TRANSMISSION

	<b>43754</b>	<b>RG174 miniaturised coaxial cable + 4 conductors (2x0.5 mm<sup>2</sup>, 2x0.25 mm<sup>2</sup>), impedance 75 ohm, conductor of 0.64 mm, copper screen, cellular polyethylene insulation, PVC sheath, black colour, appropriate for short lengths.</b>	
	<b>43670</b>	<b>Gripper for BNC connectors, funicular action, appropriate for connectors art. 43661.</b>	

# ANALOG TRANSMISSION AND ACCESSORIES

## POWER SUPPLY UNITS

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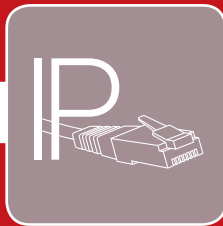
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	1195	transformer applicable to din rail (6 modules), input 230v ac/50-60 hz, output 12v/24v ac with terminal strip.	
	43015	Power supply applicable to din rail (2 modules), input from 110 to 240 VAC/50-60 Hz, output 12 VDC / 1.5 A with screw terminals.	
	43025	Power supply applicable to din rail (6 modules), input from 110 to 254 VAC/50-60 Hz, output 12 VDC/2.5 A with screw terminals.	
	43081	Power supply, input from 100 to 240 VAC/50-60 Hz, output 12 VDC/2.5A with jack connector.	
	43082	Plug power supply, input from 100 to 240 VAC/50-60 Hz, output 12 VDC/1.33A with jack connector.	
	43084	Plug power supply, input 230 VAC/50 Hz, output 12 VDC/0.5 A with jack connector.	

# IP VIDEO SURVEILLANCE: HIGH-RESOLUTION IMAGES ALWAYS ALLOW YOU TO SEE EVERY DETAIL.

- solutions for FULL IP systems
- simplicity, scalability, flexibility



IP

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## Megapixel, FULL HD and HD: **resolutions: superior image quality**

High resolutions make it possible to see more detail. No more grainy enlarged images, but FULL HD details which allow you to optimise your video surveillance system usage.



1920x1080 FULL HD



1280x720 HD



720x576



IP

START  
SERIES

HIGH  
SERIES

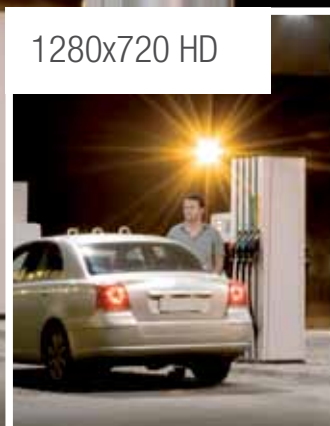
The actual image displayed depends on the type of camera selected and the distance of the item being filmed. Refer to the table "Guide to choosing a camera"



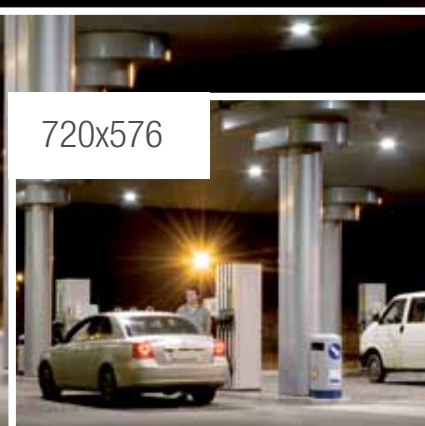
1920X1080 FULL HD



1280x720 HD



720x576





Full  
HD

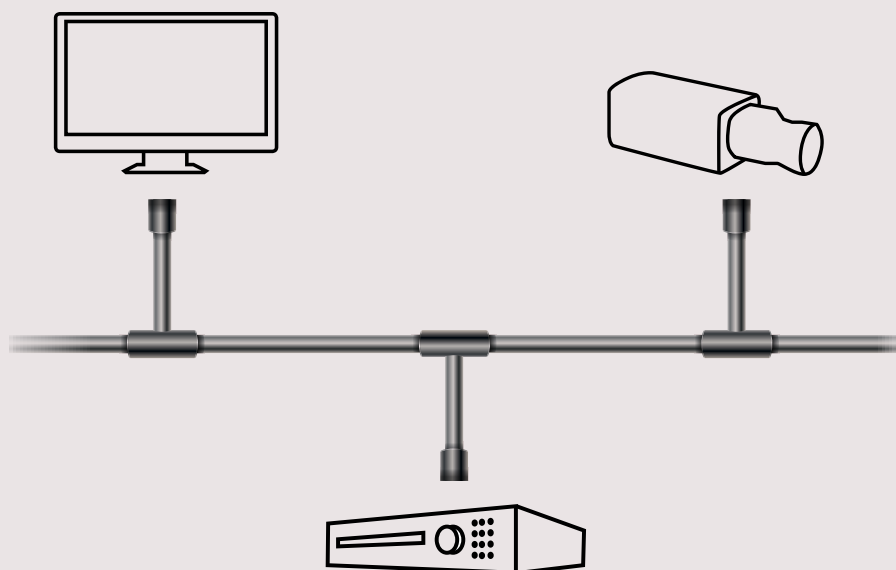
D1



## Intelligent cameras

The high performance IP cameras are “intelligent” devices which can perform numerous procedures independently. They compress video signals, send emails when an event occurs and record locally.





## “Network” power serving surveillance

Unlimited distances and easy transmission; with the minimum guaranteed bandwidth it is easy to view / record images at any point of the network.

IP

START  
SERIES

HIGH  
SERIES

## POE: easy installation

The network cable is the only wiring needed. This cable can carry data and supply power. PoE devices require less wiring and make the process easier.



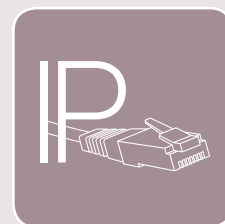
# IP solutions: START


  
START

This solution uses the NVR recording unit, which records and manages the IP cameras. The Comelit Video Surveillance Client software manages the NVR devices (live and recorded viewing) from any point of the network.

## CAMERAS

	IPCAM101B	HD resolution (720p), 3.6 mm fixed lens, Motion detection, Privacy zones, IR LEDs with range of 15 metres, Waterproof IP66, PoE
	IPCAM102A	FULL-HD resolution (1080p), 4.2 mm fixed lens, Motion detection, Privacy zones, IR LEDs with range of 15 metres, Waterproof IP66, PoE
	IPCAM152A	FULL-HD resolution (1080p), Motion detection, Privacy zones, two-way audio, PoE
	IPCAM162A	FULL-HD resolution (1080p), 2.8-12 mm varifocal lens, Motion detection, Privacy zones, IR LEDs with range of 50 metres, Waterproof IP66, PoE
	IPCAM168A	FULL-HD resolution (1080p), 2.8-12 mm varifocal lens, Motion detection, Privacy zones, IR LEDs with range of 15 metres, Waterproof IP66, PoE
	IPPTZ773A IPPTZ779A	FULL-HD resolution (1080p), 20x optical zoom / 12x digital zoom, Preset, Scan, Tour, Pattern, Wide Dynamic Range, Privacy zones, with or without IR LEDs with range up to 100 metres, pan/tilt, waterproof IP66 or IP67



## NVR MANAGEMENT SOFTWARE

Displays LIVE and recorded images; can be used to search for and export files, as well as manage and monitor PTZ cameras and graphic maps

### SWITCH



IPSWC005A  
IPSWC008A  
IPSWC024A  
5 / 8 / 24 ports  
LAN 10 / 100 / 1000

IPSWP005A  
IPSWP008A  
IPSWP009A  
5 / 8 / 9 ports  
LAN 10 / 100 / 1000,  
PoE

### NVR



IPNVR109A  
IPNVR116A  
9 / 16 FULL-HD network inputs (1080p),  
4 inputs / 2 alarm outputs, HDMI and VGA  
video outputs, USB and RS485 ports, 1  
TB Hard Disk included, ONVIF compatible

## MOBILE VIEWING

Allows viewing and management via connection with Android devices, iPhones and iPads



IP

START  
SERIES

HIGH  
SERIES

# IP solutions: HIGH

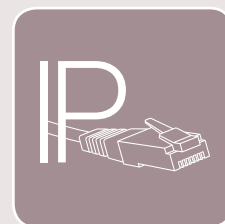
HIGH

Comelit Ras Solution, the Video Management Software from Comelit, completely scalable, with advanced video streaming recording and management functions available directly from PC workstations or via NVR.

## CAMERAS

	IPCAM700A	Day & Night all-in-one colour IP camera, 3.7 mm fixed lens, FULL-HD resolution (1080p) @30 ips, waterproof IP67 housing, 24 infrared lights with a range of 20 metres, ONVIF 2.2.1 compatible.	
	IPCAM720A	Day & Night minidome colour IP camera, 3.7 mm fixed lens, FULL-HD resolution (1080p) @30 ips, housing suitable for use in indoor environments, 24 infrared lights with a range of 20 metres, ONVIF 2.2.1 compatible.	
	IPCAM722A	Day & Night minidome colour IP camera, 3.7 mm fixed lens, FULL-HD resolution (1080p) @30 ips, anti-vandal waterproof IP66 housing, 24 infrared lights with a range of 20 metres, ONVIF 2.2.1 compatible.	
	IPCAM702A	Day & Night minidome colour IP camera, 3.5-16 mm varifocal lens, FULL-HD resolution (1080p) @30 ips, anti-vandal waterproof IP66 housing, 36 infrared lights with a range of 20 metres, ONVIF 2.2.1 compatible.	
	IPCAM727A	Day & Night minidome colour IP camera, 3.5-16 mm varifocal lens, FULL-HD resolution (1080p) @30 ips, anti-vandal waterproof IP66 housing, 36 infrared lights with a range of 20 metres, ONVIF 2.2.1 compatible.	
	IPCAM742A	Day & Night box colour IP camera, FULL-HD resolution (1080p) @30 ips, ONVIF 2.2.1 compatible.	
		IPCAM752A	Day & Night all-in-one colour IP camera, 3-9 mm motorised varifocal lens, FULL-HD resolution (1080p) @30 ips, waterproof IP66 housing, 32 infrared lights with a range of 25 metres, ONVIF 2.2.1 compatible.
		IPCAM767A	Day & Night minidome colour IP camera, 3-9 mm motorised varifocal lens, FULL-HD resolution (1080p) @30 ips, anti-vandal waterproof IP66 housing, 24 infrared lights with a range of 20 metres, ONVIF 2.2.1 compatible.
	IPPTZ773A	Day & Night PTZ minidome colour IP camera, 12x optical zoom, FULL-HD resolution (1080p) @60 ips, waterproof IP66 housing, ONVIF 2.2.1 compatible.	
	IPPTZ777A	Day & Night PTZ dome colour IP camera, 30x optical zoom, FULL-HD resolution (1080p) @60 ips, ONVIF 2.2.1 compatible.	
	IPPTZ779A	Day & Night PTZ dome all-in-one colour IP camera, 30x optical zoom, FULL-HD resolution (1080p) @60 ips, waterproof IP66 housing, synchronised infrared lights with a range of up to 150 metres, ONVIF 2.2.1 compatible.	





## VIDEO MANAGEMENT SOFTWARE

### NVR



IPNVR704A

IPNVR708A

IPNVR746A

4 / 8 / 16 FULL-HD network inputs  
(1080p), 4 alarm outputs, HDMI and VGA  
video outputs, USB ports, 1 TB Hard Disk  
included

## MOBILE VIEWING

Allows viewing and management via connection with Android devices, iPhones and iPads.



IP

START  
SERIES

HIGH  
SERIES



# IP HIGH: Wi-Fi solution

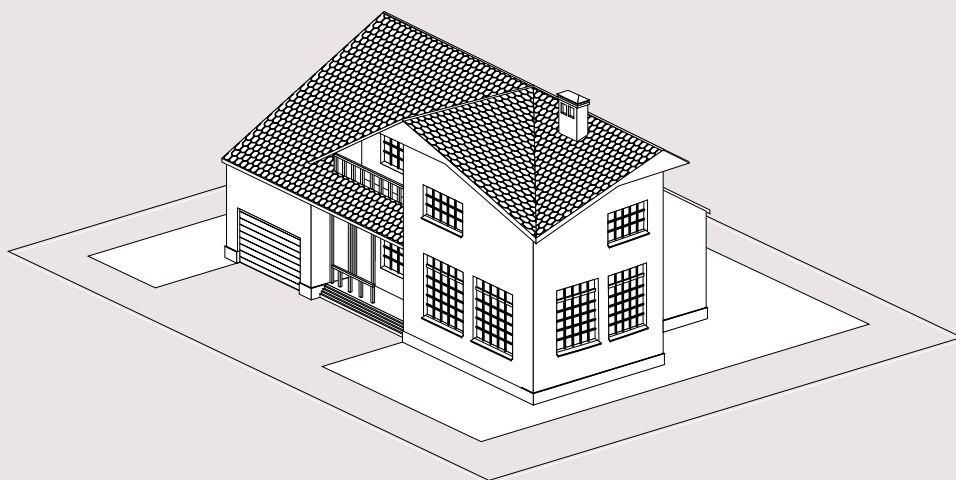
HIGH

WPS FUNCTION.  
AUTOMATIC CAMERA  
CONFIGURATION  
USING WPS BUTTON.



## IPCAM791A

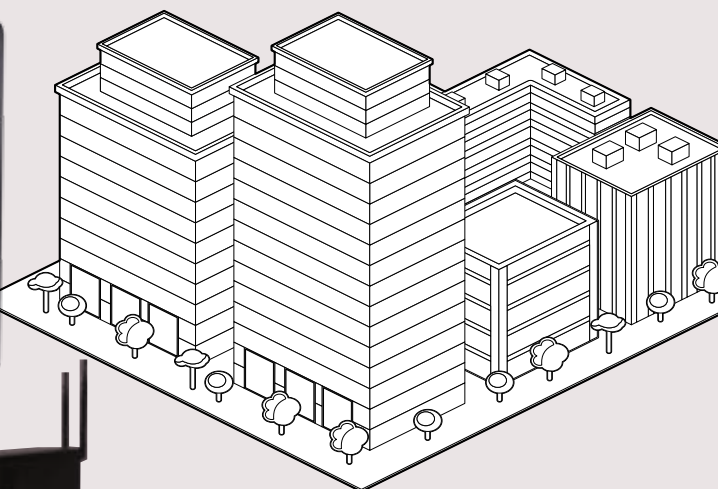
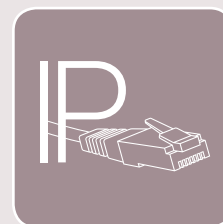
HD resolution (720p), 2.6 mm fixed lens, two-way audio, micro-SD card slot, Motion detection, Privacy zones, integrated motion detector, infrared light



## IPCAM794A

FULL-HD resolution (1080p), 3.7 mm fixed lens, two-way audio, micro-SD card slot, Motion detection, Privacy zones, PoE

## COMELIT RAS SOLUTION MANAGEMENT SOFTWARE



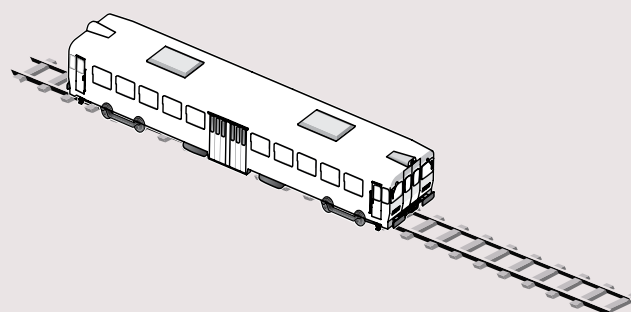
### IPNVR700A

FULL-HD network inputs (1080p), Wi-Fi Access Point, USB ports, 1 TB Hard Disk included



#### Features

- MJPEG, H.264, G.711
- Two-way audio
- Local recording
- Simultaneous viewing of up to 24 cameras
- Remote camera setting



### MOBILE VIEWING

Allows viewing and management via connection with Android devices, iPhones and iPads

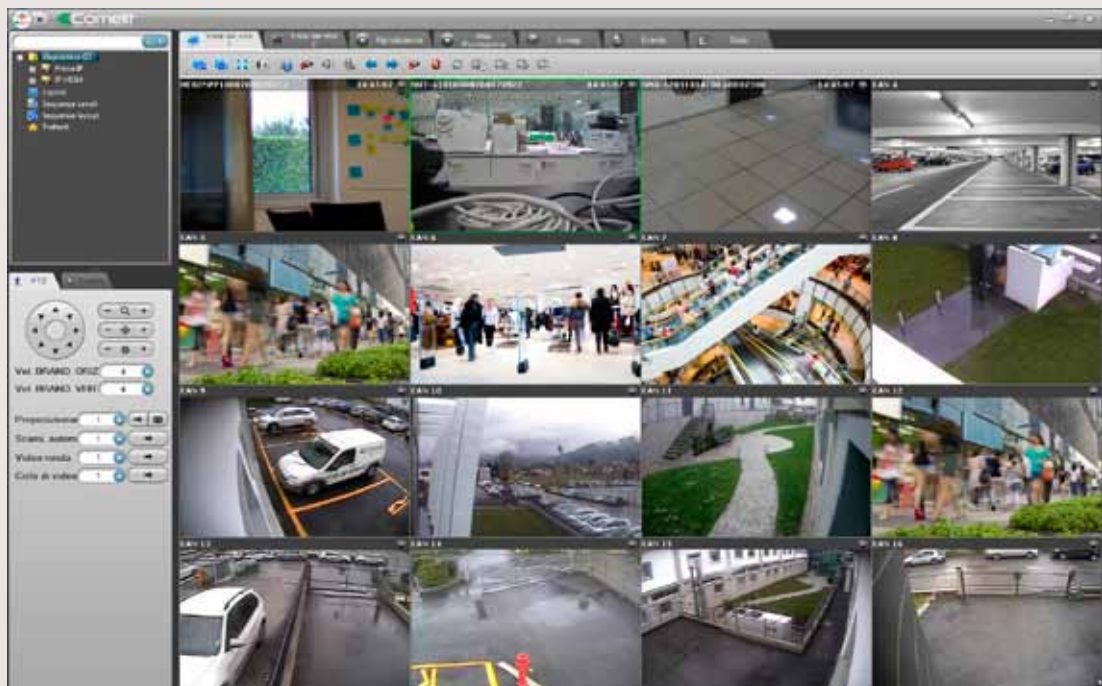
IP

START  
SERIES

HIGH  
SERIES

# IP solutions: **Comelit RAS Solution**

VMS solution / Video Management Software - Recording of up to 64 cameras @2Mbps connected directly - Direct NVR management.





### SMART FOCUS

Function available  
with IPCAM752A and  
IPCAM767A cameras



### IP EVENT MANAGEMENT

Via event log and display window



### PTZ CONTROL

From control panel or directly through  
the image



### GRAPHICS MAPS

With Synoptic function on event



Monitoring

Event



Cameras



Alarms



Outputs for activation

EXAMPLES OF OBJECTS THAT CAN BE POSITIONED ON THE MAP,  
WITH INTERACTION OPTION

IP

START  
SERIES

HIGH  
SERIES



## USER MANAGEMENT

The system makes it possible to add new users easily, with the option of choosing whether to access specific functions only from specific devices.



## IMAGE MANAGEMENT

Quick and intuitive search and export



## MONITORING / DIAGNOSTICS

**Device status.** Displays the connection status of the devices, information relating to audio/video, resolution and registration status

**System status.** Displays bar charts with the indication of the use of system resources and system logs

**System log / Event and Diagnostics log.** Can be used to obtain and export the system log and event log of the devices



DEVICE STATUS

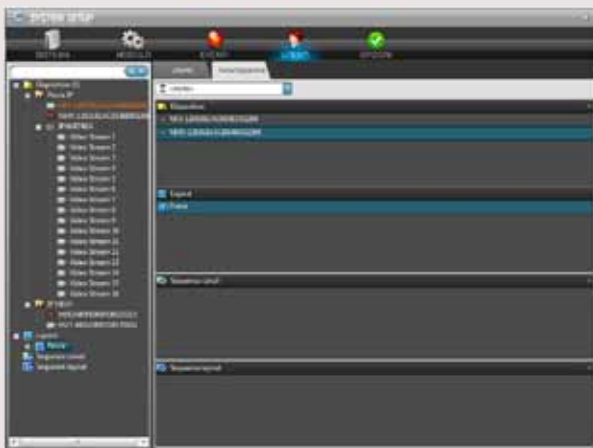


SYSTEM STATUS



SYSTEM LOG  
EVENT AND DIAGNOSTICS LOG





IP

START  
SERIES

HIGH  
SERIES





IP

## START SERIES

- Full HD recording in real time over all inputs
- Automatic configuration of IP addresses



IP

START  
SERIES

HIGH  
SERIES

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## START

			
	<b>Art. IPCAM101B</b>	<b>Art. IPCAM102A</b>	
Lens	Fixed, 2.8 mm	Fixed, 4.2 mm	
Image sensor	1/4" OV CMOS Progressive Scan	1/2.8" CMOS Sony	
Resolution	720p (HD)	1080p (FULL-HD)	
IR filter mechanical removal	Yes	Yes	
Integrated infrared illumination	Yes, 30 led	Yes, 30 led	
Maximum distance infrared illumination (m)	15	15	
Minimum Illumination (lux)	0 (led IR ON)	0 (led IR ON)	
Main/Special functions	Privacy Zones, Motion Detection	Privacy Zones, Motion Detection	
Micro-SD Card Slot	-	-	
Digital Noise Reduction (DNR)	-	-	
Case	All-in-one	All-in-one	
IP degree protection	66	66	
Power supply	12 VDC, PoE	12 VDC, PoE	

## HIGH

			
	<b>Art. IPPTZ773A</b>	<b>Art. IPPTZ779A</b>	
Lens	Varifocal, 5.32 ÷ 62.61 mm	Varifocal, 4.3 ÷ 129 mm	
Image sensor	1/2.8" CMOS Sony Progressive Scan	1/2.8" CMOS Sony Progressive Scan	
Resolution	1080p (FULL-HD)	1080p (FULL-HD)	
IR filter mechanical removal	Yes	Yes	
Integrated infrared illumination	-	Yes	
Maximum distance infrared illumination (m)	-	150	
Minimum Illumination (lux)	0.5 (color) / 0.1 (b&w)	0.5 (color) / 0.1 (b&w)	
Main/Special functions	PTZ, optical Zoom 12x, digital Zoom 16x, 240 Preset, 8 Tour, WDR, DIS, Privacy Zones, Motion Detection, Video analytics, bidirectional audio, local audio message, ONVIF	PTZ, optical Zoom 30x, digital Zoom 16x, 240 Preset, 8 Tour, WDR, DIS, Privacy Zones, Motion Detection, Video analytics, bidirectional audio, local audio message, ONVIF	
Micro-SD Card Slot	-	-	
Digital Noise Reduction (DNR)	Yes	Yes	
Case	Minidome	Dome all-in-one	
IP degree protection	66	66	
Power supply	12 VDC, 24 VAC, PoE	12 VDC (power supply included)	

## START

			
	<b>Art. IPNVR109A</b>	<b>Art. IPNVR116A</b>	
IP inputs	9 (FULL-HD), 16 (HD)	16 (FULL-HD), 20 (HD)	
Main video outputs	1 VGA, 1 HDMI	1 VGA, 1 HDMI	
Ethernet Switch onboard	-	-	
Hard Disk in equipment (SATA)	1 TB	1 TB	
Additional Hard Disk (SATA)	1	1	
Alarm inputs	4	4	
Alarm outputs	2	2	
Audio inputs	1	1	
Audio outputs	1	1	
IPS in recording	225@FULL-HD (1080p) Real Time	400@FULL-HD (1080p) Real Time	
Recording mode	Manual, Scheduled, Event	Manual, Scheduled, Event	
Remote access	Web, Viewer	Web, Viewer	
Remote access via mobile device	iPhone, iPad, Android (owner Viewer)	iPhone, iPad, Android (owner Viewer)	
Ports	Ethernet, RS485, 2 x USB	Ethernet, RS485, 2 x USB	
Backup	USB, Network	USB, Network	

# IP START SERIES







Art. IPCAM162A	Art. IPCAM152A	Art. IPCAM168A
Varifocal, 2.8 ÷ 12 mm	-	Varifocal, 2.8 ÷ 12 mm
1/2.8" CMOS Sony	1/2.8" CMOS Sony	1/2.8" CMOS Sony
1080p (FULL-HD)	1080p (FULL-HD)	1080p (FULL-HD)
Yes	Yes	Yes
Yes, 66 led	-	Yes, 18 led
50	-	15
0 (led IR ON)	0.2 (color) / 0.02 (b&w)	0 (led IR ON)
Privacy Zones, Motion Detection	Privacy Zones, Motion Detection, bidirectional Audio	Privacy Zones, Motion Detection
-	-	-
-	-	-
All-in-one	Box	Minidome
66	-	66
12 VDC, PoE	12 VDC, PoE	12 VDC, PoE

IP

START  
SERIES

HIGH  
SERIES

# IP START SERIES CAMERAS

	<b>IPC101B</b>	<p><b>All-in-one Day &amp; Night colour IP camera, 2.8 mm fixed lens, HD (720p)@30 ips resolution, case IP66 waterproof, 30 infrared leds with range of up to 15 meters.</b></p> <p>Camera sensor : 1/4" OV CMOS Progressive Scan  Video trasmission : Dual streaming (H264, MJPEG)  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : Privacy zone, Motion detection, Web browser  POE power supply camera : Yes  DC supply voltage : 12 V  Absorption : 7.2 W  Diameter (mm) : 66  Product depth (mm) : 167.7</p>	 START
	<b>IPC102A</b>	<p><b>All-in-one Day &amp; Night colour IP camera, 4.2 mm fixed lens, FULL-HD (1080p)@30 ips resolution, case IP66 waterproof, 30 infrared leds with range of up to 15 meters.</b></p> <p>Camera sensor : 1/2.8" CMOS Sony  Video trasmission : Dual streaming (H264, MJPEG)  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : Privacy zone, Motion detection, Web browser  POE power supply camera : Yes  DC supply voltage : 12 V  Absorption : 6 W  Diameter (mm) : 66  Product depth (mm) : 167.7</p>	 START
	<b>IPC162A</b>	<p><b>All-in-one Day &amp; Night colour IP camera, 2.8-12 mm varifocal lens, FULL-HD (1080p)@30 ips resolution, case IP66 waterproof, 66 infrared leds with range of up to 50 meters.</b></p> <p>Camera sensor : 1/2.8" CMOS Sony  Video trasmission : Dual streaming (H264, MJPEG)  Sensitivity (lux) : 0 (leds IR ON)  Mechanical removal of IR filter : Yes  Main functions : Privacy zone, Motion detection, Web browser  POE power supply camera : Yes  DC supply voltage : 12 V  Absorption : 8 W  Product width (mm) : 121  Product height (mm) : 83  Product depth (mm) : 241</p>	 START

# IP START SERIES CAMERAS



## IPCAM152A

### Box Day & Night colour IP camera, FULL-HD (1080p)@30 ips resolution.

Camera sensor : 1/2.8" CMOS Sony  
 Video trasmission : Dual streaming (H264, JPEG)  
 Sensitivity (lux) : 0.1 (colour) / 0.01 (B/W)  
 Mechanical removal of IR filter : Yes  
 Type of audio signal : Bidirectional  
 Main functions : Privacy mask, Motion detection, Web browser  
 POE power supply camera : Yes  
 DC supply voltage : 12 V  
 Absorption : 5 W  
 Product width (mm) : 58  
 Product height (mm) : 62  
 Product depth (mm) : 138

START



## IPCAM168A

### Minidome Day & Night colour IP camera, 2.8-12 mm varifocal lens, FULL-HD (1080p)@30 ips resolution, case IP66 waterproof, 18 infrared leds with a range of up to 15 meters.

Camera sensor : 1/2.8" CMOS Sony  
 Horizontal resolution (TVL) : FULL-HD (1080p)@30 ips  
 Video trasmission : Dual streaming (H264, MJPEG)  
 Sensitivity (lux) : 0 (leds IR ON)  
 Mechanical removal of IR filter : Yes  
 Vandal Resistant IK : 10  
 Main functions : Privacy mask, Motion detection, Web browser  
 POE power supply camera : Yes  
 DC supply voltage : 12 V  
 Absorption : 6 W  
 Diameter (mm) : 150  
 Product height (mm) : 112

START

IP

START  
SERIES

HIGH  
SERIES

# IP START SERIES CAMERAS



## IPPTZ773A

**PTZ minidome Day & Night colour IP camera, optical zoom 12x, FULL-HD (1080p)@60 ips resolution, case IP66 waterproof, 2.2.1 ONVIF compatible.**

Camera sensor : 1/2.8" CMOS Sony Exmor Progressive Scan  
 Camera lens : 5.32 - 62.61 mm, autofocus  
 Camera digital zoom : 16x  
 Video trasmission : Triple streaming  
 Sensitivity (lux) : 0.5 (color) / 0.1 (B&W)  
 Mechanical removal of IR filter : Yes  
 Alarm Input / Output : 1 / 1  
 Type of audio signal : Bidirectional, Local audio alarm message  
 Main functions : 240 Preset, 8 Tour, WDR, DNR, DIS, Privacy mask, Motion detection, Video analytics, Web browser  
 Additional functions : RS485  
 Network security : Multi-user authorization, IP filtering, HTTPS, SSL  
 AC supply voltage : 24 V  
 POE power supply camera : Yes  
 DC supply voltage : 12 V  
 Absorption : 12 W  
 Diameter (mm) : 154  
 Product height (mm) : 150

HIGH



## IPPTZ779A

**PTZ dome Day & Night all-in-one colour IP camera, optical zoom 30x, FULL-HD (1080p)@60 ips resolution, case IP66 waterproof, synchronized infrared leds with a range up to 150 meters, 2.2.1 ONVIF compatible.**

**Power supply included.**

Camera sensor : 1/2.8" CMOS Sony Progressive Scan  
 Camera lens : Varifocal, 4.3-129  
 Camera digital zoom : 16x  
 Sensitivity (lux) : 0.5 (colour) / 0.1 (B&W)  
 Mechanical removal of IR filter : Yes  
 Alarm Input / Output : 1 / 1  
 Type of audio signal : Bidirectional, Local audio alarm message  
 Main functions : 240 Preset, 8 Tour, WDR, DNR, DIS, Privacy mask, Motion detection, Video analytics, Web browser  
 Additional functions : RS485  
 Network security : Multi-user authorization, IP filtering, HTTPS, SSL  
 DC supply voltage : 12 V  
 Absorption : 36 W  
 Diameter (mm) : 202  
 Product height (mm) : 371  
 Product depth (mm) : 349

HIGH

# IP START SERIES

## HOUSINGS AND ACCESSORIES

	<b>44126</b>	<p><b>Waterproof housing, UNICA series, for indoor/outdoor with sunshield, PoE technology (standard IEEE802.3at draft - 30 W), protected cable passage, back opening, power splitter integrated compatible with 1 Gigabit networks with waterproof RJ45 connector, heating and ventilation thermostated, die-cast aluminum housing, IP66 waterproof, RAL9002 colour, dimensions (W x H x D) 100 x 75 x 270, weight 4 kg. Bracket included.</b></p> <p>Product width (mm) : 135.42 Product height (mm) : 226.67 Product depth (mm) : 468.1</p>	
	<b>44128</b>	<p><b>Waterproof housing, UNICA series, for indoor/outdoor with sunshield, vandalproof with shatterproof glass, PoE technology (standard IEEE802.3at draft - 30 W), protected cable passage, back opening, power splitter integrated compatible with 1 Gigabit networks with waterproof RJ45 connector, heating and ventilation thermostated, die-cast aluminum housing, IP66 waterproof, RAL9002 colour, dimensions (W x H x D) 100 x 75 x 270, weight 4 kg. Bracket included.</b></p> <p>Product width (mm) : 135.42 Product height (mm) : 226.67 Product depth (mm) : 468.1</p>	
	<b>44125</b>	<p><b>PoE injector (standard IEEE802.3at - 33.6 W) for UNICA series housing art. 44126 and 44128.</b></p> <p>AC supply voltage : 100-240 V Product width (mm) : 65 Product height (mm) : 36 Product depth (mm) : 155</p>	
	<b>44103</b>	<p><b>Pole mount accessory for housing bracket UNICA series, maximum load 20 kg, made of aluminium painted with epoxy-polyester powders, RAL9002 colour, integrated cable passage, pole diameter from 50 to 140 mm.</b></p>	
	<b>40722</b>	<p><b>Corner installation accessory for universal dome housing, compatible with art. 40728, 40729 (with adapter art. 40725) and 40734, and with AFCAM series cameras (with adapter art. 40723).</b></p>	
	<b>40726</b>	<p><b>Pole-mounting accessory (pole diameter from 80 to 140 mm) for universal dome housing, can be used for art. 40728 , 40729 (with adapter art. 40725) and 40734 and AFCAM series cameras (with adapter art. 40723).</b></p>	




IP

START  
SERIES

HIGH  
SERIES









# IP START SERIES

## HOUSINGS AND ACCESSORIES

	<b>40728</b>	Wall mount bracket for dome housing art. 40731 and dome cameras art. 40768, 40801, MPTZ768B, MPTZ801B and IPPTZ779A.	
	<b>40732</b>	Ceiling mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.	
	<b>40734</b>	Wall mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.	

# IP START SERIES

## ASPHERICAL LENSES

	42246	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 2.4 to 6 mm, F1.2-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH
	42308	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 3 to 8 mm, F1-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH
	42412	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 4 to 12 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH
	42550	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 5 to 50 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH

IP

START  
SERIES

HIGH  
SERIES



# IP START SERIES

## RECORDING UNITS



### IPNVR109A

#### Stand-alone NVR with 9 IP inputs FULL-HD (1080p) or 16 IP inputs HD (720p), ONVIF 2.2.1 compatible.

Video compression : H264, MJPEG  
 Operating system : Linux Embedded  
 Video inputs : 9 (FULL-HD) / 16 (HD)  
 Main video output : 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : 1/1  
 Alarm Inputs/Outputs : 4/2  
 Display / recording frame rate : 225 ips @ FULL-HD Real Time / 400 ips @ HD  
 Hard disk capacity supplied : 1 TB (3 TB max)  
 Additional hard disks (SATA) : 1 (3 TB max)  
 Recording methods : Manual, Scheduled, Event  
 Protocols supported : HTTP, TCP/IP, UPnP, SMTP, DHCP, DDNS, IP Filtering  
 Remote control via browser : Internet Explorer  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB, RS485, Ethernet 10/100  
 DC supply voltage : 12 V  
 Absorption : 20 W  
 Product width (mm) : 360  
 Product height (mm) : 44  
 Product depth (mm) : 250

START



### IPNVR116A

#### Stand-alone NVR with 16 IP inputs FULL-HD (1080p) or 20 IP inputs HD (720p), ONVIF 2.2.1 compatible.

Video compression : H264, MJPEG  
 Operating system : Linux Embedded  
 Video inputs : 16 (FULL-HD) / 20 (HD)  
 Main video output : 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : 1/1  
 Alarm Inputs/Outputs : 4/2  
 Display / recording frame rate : 400 ips @ FULL-HD Real Time / 500 ips @ HD  
 Hard disk capacity supplied : 1 TB (3 TB max)  
 Additional hard disks (SATA) : 1 (3 TB max)  
 Recording methods : Manual, Scheduled, Event  
 Protocols supported : HTTP, TCP/IP, UPnP, SMTP, DHCP, DDNS, IP Filtering  
 Remote control via browser : Internet Explorer  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB, RS485, Ethernet 10/100  
 DC supply voltage : 12 V  
 Absorption : 20 W  
 Product width (mm) : 360  
 Product height (mm) : 44  
 Product depth (mm) : 250

START

# IP START SERIES SOFTWARE

## COMELIT\_VSC



**COMELIT VIDEO SURVEILLANCE CLIENT** management software for IP devices **START** series.

### Main functions:

- Monitoring windows for live viewing and playback
- Viewing E-map (electronic map)
- Support NVR
- Multiple recording modes
- Multiple search modes
- Remote configuration of network devices
- Easy control of PTZ functions, digital zoom and alarms
- Users and permission levels management

## MEYE



**Mobile device software "MEYE"** for IP devices **START** series.

### Main functions:

- Viewing images
- PTZ control
- Support NVR
- Available for iOS and Android








IP

START  
SERIES

HIGH  
SERIES

# IP START SERIES




## SWITCH AND TRANSMISSION

	<b>IPSWP005A</b>	<b>Network switch, 5 ports (4 PoE, 15 W each).</b> <b>Power supply included.</b> LAN ports number : 1 (10/100) LAN PoE ports number : 4 (10/100) x 48 VDC (60 W max) DC supply voltage : 48 V	
	<b>IPSWP008A</b>	<b>Network switch, 8 PoE ports (15 W each).</b> <b>Power supply included.</b> LAN PoE ports number : 8 (10/100) x 48 VDC (120 W max) DC supply voltage : 48 V	
	<b>IPSWP009A</b>	<b>Network switch, 9 ports (8 PoE, 15 W each).</b> <b>Power supply included.</b> LAN ports number : 1 (10/100/1000) LAN PoE ports number : 8 (10/100) x 48 VDC (120 W max) DC supply voltage : 48 V	
	<b>IPSWC005A</b>	<b>Network switch, 5 Gigabit ports.</b> <b>Power supply included.</b> LAN ports number : 5 (10/100/1000) DC supply voltage : 5 V	
	<b>IPSWC008A</b>	<b>Network switch, 8 Gigabit ports.</b> <b>Power supply included.</b> LAN ports number : 8 (10/100/1000) DC supply voltage : 5 V	
	<b>IPSWC024A</b>	<b>Network switch, 24 Gigabit ports, designed for 19" rack mount (1 unit, adapter included).</b> LAN ports number : 24 (10/100/1000) AC supply voltage : 230 V	
	<b>IPEOC001A</b>	<b>Active converter from LAN 10/100 Base/T to coaxial cable RG59 75 ohm and viceversa for signal transmission of IP equipment, included the PoE power supply. Maximum distance 125 metres, RJ45 connector for LAN, BNC connector for coaxial cable, power supply 48 VDC (power supply included).</b> <b>Tx dimensions (W x H x D): 130 x 27 x 67 mm.</b> <b>Rx dimensions (W x H x D): 117 x 33 x 75 mm.</b>	

IP

# START SERIES

SWITCH AND TRANSMISSION

	<b>48086</b>	Multifunctional all-in-one data transceiver 5GHz, built-in 13dBi antenna, IEEE 802.11a (compatible 808.11h), interface by LAN 10/100, configurable as Access Point, Client, WDS Bridge, Repeater, router WISP or router AP, PoE power supply (power supply in equipment), waterproof plastic housing.	 HIGH
	<b>48087</b>	Wall/pole metallic mounting kit for video transceiver art. 48086.	

IP

START  
SERIES

HIGH  
SERIES



## HIGH SERIES

- FULL HD recording in real time over all inputs.
- NVR with integrated POE switches.
- Smart Focus, for remote focus adjustment control  
(available with cameras IPCAM 752A -IPCAM 767A).



IP

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HIGH

**Art. IPCAM791A****Art. IPCAM794A**

Lens	Fixed, 2.6 mm	Fixed, 3.7 mm
Image sensor	1/4" CMOS Progressive Scan	1/2.8" CMOS Progressive Scan
Resolution	720p (HD)	1080p (FULL-HD)
IR filter mechanical removal	-	-
Integrated infrared illumination	-	-
Maximum distance infrared illumination (m)	-	-
Minimum Illumination (lux)	1 (color - led OFF) / 0 (color - led ON)	0.2 (color)
Main/Special functions	Privacy Zones, Motion Detection, MAT, bidirectional audio, local audio message, PIR, Led lighting, WPS button for Wi-Fi auto-configuration, ONVIF	Privacy Zones, Motion Detection, MAT, bidirectional audio, WPS button for Wi-Fi auto-configuration, ONVIF
Micro-SD Card Slot	Yes	Yes
Digital Noise Reduction (DNR)	2DNR	2DNR
Case	Cube	Minidome
IP degree protection	-	65
Power supply	5 VDC (power supply in equipment)	12 VDC, PoE

HIGH

**Art. IPCAM722A****Art. IPCAM727A**

Lens	Fixed, 3.7 mm	Varifocal, 3.5 ÷ 16 mm
Image sensor	1/2.8" CMOS Progressive Scan	1/2.8" CMOS Progressive Scan
Resolution	1080p (FULL-HD)	1080p (FULL-HD)
IR filter mechanical removal	Yes	Yes
Integrated infrared illumination	Yes, 24 led	Yes, 36 led
Maximum distance infrared illumination (m)	20	20
Minimum Illumination (lux)	0.2 (color) / 0 (b&w - leds IR ON)	1 (color) / 0 (led IR ON)
Main/Special functions	Privacy Zones, Motion Detection, MAT, ONVIF	Privacy Zones, Motion Detection, MAT, ONVIF
Micro-SD Card Slot	Yes	Yes
Digital Noise Reduction (DNR)	2DNR	2DNR
Case	Minidome	Minidome
IP degree protection	66	66
Power supply	12 VDC, PoE	12 VDC, PoE

# IP HIGH SERIES



## Art. IPCAM700A

Fixed, 2.8 mm  
1/2.8" CMOS Progressive Scan  
1080p (FULL-HD)  
Yes  
Yes, 24 led  
20  
0.2 (color) / 0 (led IR ON)

Privacy Zones, Motion Detection, MAT, ONVIF

Yes  
2DNR  
All-in-one  
67  
12 VDC, PoE



## Art. IPCAM702A

Varifocal, 3.5 ÷ 16 mm  
1/2.8" CMOS Progressive Scan  
1080p (FULL-HD)  
Yes  
Yes, 36 led  
20  
1 (color) / 0 (led IR ON)

Privacy Zones, Motion Detection, MAT, ONVIF

Yes  
2DNR  
All-in-one  
66  
12 VDC, PoE



## Art. IPCAM720A

Fixed, 2.8 mm  
1/2.8" CMOS Progressive Scan  
1080p (FULL-HD)  
Yes  
Yes, 24 led  
20  
0.2 (color) / 0 (led IR ON)

Privacy Zones, Motion Detection, MAT, ONVIF

Yes  
2DNR  
Minidome  
-  
12 VDC, PoE



## Art. IPCAM742A

-  
1/2.7" CMOS Progressive Scan  
1080p (FULL-HD)  
Yes  
-  
0.9 (color) / 0.2 (b&w)

Privacy Zones, Motion Detection, MAT, bidirectional audio, local audio message, ONVIF

Yes  
2DNR  
Box  
-  
12 VDC, 24 VAC, PoE



## Art. IPCAM752A

Varifocal 3 ÷ 9 mm, Smart Focus  
1/2.8" CMOS Progressive Scan  
1080p (FULL-HD)  
Yes  
Yes, 32 led  
25  
0.2 (color) / 0 (led IR ON)

Privacy Zones, Motion Detection, MAT, ONVIF

Yes  
2DNR  
All-in-one  
66  
12 VDC, PoE



## Art. IPCAM767A

Varifocal 3 ÷ 9 mm, Smart Focus  
1/2.8" CMOS Progressive Scan  
1080p (FULL-HD)  
Yes  
Yes, 24 led  
20  
0.2 (color) / 0 (led IR ON)

Privacy Zones, Motion Detection, MAT, bidirectional audio, local audio message, ONVIF

Yes  
2DNR  
Minidome  
66  
12 VDC, 24 VAC, PoE

IP

START  
SERIES

HIGH  
SERIES



HIGH



	<b>Art. IPPTZ777A</b>	<b>Art. IPPTZ773A</b>	
Lens	Varifocal, 4.3 ÷ 129 mm	Varifocal, 5.32 ÷ 62.61 mm	
Image sensor	1/2.8" CMOS Sony Progressive Scan	1/2.8" CMOS Sony Progressive Scan	
Resolution	1080p (FULL-HD)	1080p (FULL-HD)	
IR filter mechanical removal	Sì	Sì	
Integrated infrared illumination	-	-	
Maximum distance infrared illumination (m)	-	-	
Minimum Illumination (lux)	0.5 (colori) / 0.1 (bianco e nero)	0.5 (colori) / 0.1 (bianco e nero)	
Main/Special functions	PTZ, Zoom ottico 30x, Zoom digitale 16x, 240 Preset, 8 Tour, WDR, DIS, Zone di Privacy, Motion Detection, MAT, Analisi video, audio bidirezionale, messaggio audio locale, ONVIF		
Micro-SD Card Slot	-	-	
Digital Noise Reduction (DNR)	Sì	Sì	
Case	Dome	Minidome	
IP degree protection	-	66	
Power supply	12 Vcc, 24 Vca, PoE	12 Vcc, 24 Vca, PoE	

HIGH



	<b>Art. IPNVR700A</b>	<b>Art. IPNVR704A</b>	
Ingressi IP	4 (FULL-HD filari o 2 Wi-Fi)	4 (FULL-HD)	
Uscite video principali	-	1 VGA, 1 HDMI	
Switch Ethernet a bordo	-	PoE	
Hard Disk in dotazione (SATA)	1 TB	1 TB	
Hard Disk aggiuntivi (SATA)	eSATA	1 + eSATA	
Ingressi di allarme	8	4	
Uscite di allarme	8	4	
Ingressi audio	-	-	
Uscite audio	-	1	
Frame rate in registrazione	100@FULL-HD (1080p) Real Time	100@FULL-HD (1080p) Real Time	
Modalità di registrazione	Programmata, Evento	Automatica, Manuale, Programmata, Evento	
Accesso da remoto	Web, Viewer	Web, Viewer	
Accesso da remoto tramite dispositivo mobile	iPhone, iPad, Android (Viewer proprietario)	iPhone, iPad, Android (Viewer proprietario)	
Wi-Fi	Sì, pulsante WPS per la configurazione automatica	-	
Porte	Ethernet, 2 x USB	5 x Ethernet (4 PoE), 2 x USB	
Backup	USB, Network	USB, Network	

# IP HIGH SERIES



## Art. IPPTZ779A

Varifocal, 4.3 ÷ 129 mm  
1/2.8" CMOS Sony Progressive Scan  
1080p (FULL-HD)  
Sì  
Sì  
150  
0.5 (colori) / 0.1 (bianco e nero)  
PTZ, Zoom ottico 30x, Zoom digitale 16x,  
240 Preset, 8 Tour, WDR, DIS, Zone di  
Privacy, Motion Detection, Analisi video,  
audio bidirezionale, messaggio audio  
locale, ONVIF  
-  
Sì  
Dome all-in-one  
66  
12 Vcc (alimentatore incluso)



## Art. IPNVR708A

8 (FULL-HD)  
1 VGA, 1 HDMI  
PoE (4 ingressi)  
1 TB  
1 + eSATA  
4  
4  
-  
1  
200@FULL-HD (1080p) Real Time  
Automatica, Manuale, Programmata,  
Evento  
Web, Viewer  
iPhone, iPad, Android (Viewer  
proprietario)  
-  
5 x Ethernet (4 PoE), 2 x USB  
USB, Network



## Art. IPNVR746A

16 (FULL-HD)  
1 VGA, 1 HDMI  
PoE  
1 TB  
3 + eSATA  
16  
4  
-  
1  
400@FULL-HD (1080p) Real Time  
Automatica, Manuale, Programmata,  
Evento  
Web, Viewer  
iPhone, iPad, Android (Viewer  
proprietario)  
-  
17 x Ethernet (16 PoE), 2 x USB  
USB, Network

IP

START  
SERIES

HIGH  
SERIES

# IP HIGH SERIES CAMERAS



## IPCAM791A

**All-in-one colour IP camera, wireless and wired connections, 2.6 mm fixel lens, HD (720p)@30 ips or 2 Megapixel@15 ips resolution, CUBE case suitable for indoor use, WPS button for automatic configuration, PIR sensor, white led with range of up to 5 meters, microphone, loudspeaker, 2.2.1 ONVIF compatible.**

### Power supply included.

Camera sensor : 1/4" CMOS Progressive Scan

Video trasmission : Triple streaming

Sensitivity (lux) : 1 (led OFF) / 0 (led ON)

Type of audio signal : Bidirectional, Local audio alarm message

Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser

Additional functions : MAT

Network security : Multi-user authorization, IP filtering, HTTPS, SSL

DC supply voltage : 5

Absorption : 3.5 W

Product width (mm) : 62

Product height (mm) : 97

Product depth (mm) : 38.5

HIGH



## IPCAM794A

**All-in-one colour Day & Night IP camera, wireless and wired connections, 3.7 mm fixel lens, FULL-HD (1080p)@30 ips resolution, case IP65 waterproof and vandalresistant, WPS button for automatic configuration, microphone, 2.2.1 ONVIF compatible.**

Camera sensor : 1/2.8" CMOS Progressive Scan

Video trasmission : Triple streaming

Sensitivity (lux) : 0.2 (colour)

Mechanical removal of IR filter : Yes

Type of audio signal : Bidirectional

Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser

Additional functions : MAT

Network security : Multi-user authorization, IP filtering, HTTPS, SSL

POE power supply camera : Yes

DC supply voltage : 12





Absorption : 4.5 W

Diameter (mm) : 140

Product height (mm) : 68

HIGH

# IP HIGH SERIES CAMERAS

	<b>IPCAM700A</b>	<p><b>All-in-one Day &amp; Night colour IP camera, 3.7 mm fixed lens, FULL-HD (1080p)@30 ips resolution, case IP67 waterproof, 24 infrared leds with range of up to 20 meters, 2.2.1 ONVIF compatible.</b></p> <p>Camera sensor : 1/2.8" CMOS Progressive Scan</p> <p>Video trasmission : Triple streaming</p> <p>Sensitivity (lux) : 1 (B&amp;W) / 0 (leds IR ON)</p> <p>Mechanical removal of IR filter : Yes</p> <p>Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser</p> <p>Additional functions : MAT</p> <p>Network security : Multi-user authorization, IP filtering, HTTPS, SSL</p> <p>POE power supply camera : Yes</p> <p>DC supply voltage : 12 V</p> <p>Absorption : 6 W</p> <p>Diameter (mm) : 66</p> <p>Product depth (mm) : 173</p>	 HIGH
	<b>IPCAM702A</b>	<p><b>All-in-one Day &amp; Night colour IP camera, 3.5-16 mm varifocal lens, FULL-HD (1080P)@30 ips resolution, case IP66 waterproof, 36 infrared lens with a range of up to 20 meters, 2.2.1 ONVIF compatible.</b></p> <p>Camera sensor : 1/2.8" CMOS Progressive Scan</p> <p>Video trasmission : Triple streaming</p> <p>Sensitivity (lux) : 1 (colour)</p> <p>Mechanical removal of IR filter : Yes</p> <p>Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser</p> <p>Additional functions : MAT</p> <p>Network security : Multi-user authorization, IP filtering, HTTPS, SSL</p> <p>POE power supply camera : Yes</p> <p>DC supply voltage : 12 V</p> <p>Absorption : 6 W</p> <p>Product width (mm) : 87</p> <p>Product height (mm) : 98.4</p> <p>Product depth (mm) : 300</p>	 HIGH

IP

START  
SERIES

HIGH  
SERIES

# IP HIGH SERIES CAMERAS



## IPC720A

**Minidome Day & Night colour IP camera, 3.7 mm fixed lens, FULL-HD (1080p)@30 ips resolution, case suitable for indoor use, 24 infrared leds with a range of up to 20 meters, 2.2.1 ONVIF compatible.**

Camera sensor : 1/2.8" CMOS Progressive Scan

Video transmission : Triple streaming

Sensitivity (lux) : 0.2 (colour) / 0 (B&W - leds IR ON)

Mechanical removal of IR filter : Yes

Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser

Additional functions : MAT

Network security : Multi-user authorization, IP filtering, HTTPS, SSL

POE power supply camera : Yes

DC supply voltage : 12 V

Absorption : 6 W

Diameter (mm) : 120

Product height (mm) : 87.9

HIGH



## IPC722A

**Minidome Day & Night colour IP camera, 3.7 mm fixed lens, FULL-HD (1080p)@30 ips resolution, case IP66 waterproof and vandalresistant, 24 infrared leds with a range of up to 20 meters, 2.2.1 ONVIF compatible.**

Camera sensor : 1/2.8" CMOS Progressive Scan

Video transmission : Triple streaming

Sensitivity (lux) : 0.2 (colour) / 0 (B&W - leds IR ON)

Mechanical removal of IR filter : Yes

Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser

Additional functions : MAT

Network security : Multi-user authorization, IP filtering, HTTPS, SSL

POE power supply camera : Yes

DC supply voltage : 12 V





Absorption : 6 W

Diameter (mm) : 144

Product height (mm) : 98

HIGH

# IP HIGH SERIES CAMERAS

	<b>IPCAM727A</b>	<p><b>Minidome Day &amp; Night colour IP camera, 3.5-16 mm varifocal lens, FULL-HD (1080p)@30 ips resolution, case IP66 waterproof and vandalresistant, 36 infrared leds with a range of up to 20 meters, 2.2.1 ONVIF compatible.</b></p> <p>Camera sensor : 1/2.8" CMOS Progressive Scan</p> <p>Video trasmission : Triple streaming</p> <p>Sensitivity (lux) : 1 (colour)</p> <p>Mechanical removal of IR filter : Yes</p> <p>Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser</p> <p>Additional functions : MAT</p> <p>Network security : Multi-user authorization, IP filtering, HTTPS, SSL</p> <p>POE power supply camera : Yes</p> <p>DC supply voltage : 12 V</p> <p>Absorption : 6 W</p> <p>Diameter (mm) : 146</p> <p>Product height (mm) : 106</p>	 HIGH
	<b>IPCAM742A</b>	<p><b>Box colour Day &amp; Night IP camera, FULL-HD (1080p)@30 ips resolution, 2.2.1 ONVIF compatible.</b></p> <p>Camera sensor : 1/2.7" CMOS Progressive Scan</p> <p>Video trasmission : Dual streaming</p> <p>Sensitivity (lux) : 0.9 (colour) / 0.2 (B&amp;W)</p> <p>Mechanical removal of IR filter : Yes</p> <p>Alarm Input / Output : 1 / 1</p> <p>Type of audio signal : Bidirectional, Local audio alarm message</p> <p>Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser</p> <p>Additional functions : MAT</p> <p>Network security : Multi-user authorization, IP filtering, HTTPS, SSL</p> <p>AC supply voltage : 24 V</p> <p>POE power supply camera : Yes</p> <p>DC supply voltage : 12 V</p> <p>Absorption : 3.5 W</p> <p>Product width (mm) : 81.6</p> <p>Product height (mm) : 68</p> <p>Product depth (mm) : 123.1</p>	 HIGH

IP

START  
SERIES

HIGH  
SERIES

# IP HIGH SERIES CAMERAS



## IPC752A

**All-in-one Day & Night colour IP camera, 3-9 mm varifocal lens with Smart Focus function, FULL-HD (1080P)@30 ips resolution, case IP66 waterproof, 32 infrared lens with a range of up to 25 meters, 2.2.1 ONVIF compatible.**

Camera sensor : 1/2.8" CMOS Progressive Scan

Camera optical zoom : 3x

Video transmission : Triple streaming

Sensitivity (lux) : 0.2 (colour) / 0 (B&W - leds IR ON)

Mechanical removal of IR filter : Yes

Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser

Additional functions : MAT

Network security : Multi-user authorization, IP filtering, HTTPS, SSL

POE power supply camera : Yes

DC supply voltage : 12 V

Absorption : 24 W

Product width (mm) : 98.4

Product height (mm) : 168.5

Product depth (mm) : 284

HIGH



## IPC767A

**Minidome Day & Night colour IP camera, 3-9 mm varifocal lens with Smart Focus function, FULL-HD (1080p)@30 ips resolution, case IP66 waterproof and vandalresistant, 24 infrared leds with a range of up to 20 meters, 2.2.1 ONVIF compatible.**

Camera sensor : 1/2.8" CMOS Progressive Scan

Camera optical zoom : 3x

Video transmission : Triple streaming

Sensitivity (lux) : 0.2 (colour) / 0 (B&W - leds IR ON)

Mechanical removal of IR filter : Yes

Alarm Input / Output : 1 / 1

Type of audio signal : Bidirectional, Local audio alarm message

Main functions : 2DNR, Privacy mask, Motion detection, Event recording on micro-SD, Web browser

Additional functions : MAT

Network security : Multi-user authorization, IP filtering, HTTPS, SSL

AC supply voltage : 24 V

POE power supply camera : Yes

DC supply voltage : 12 V





Absorption : 6.5 W

Diameter (mm) : 152

Product height (mm) : 120

HIGH

# IP HIGH SERIES CAMERAS

	<b>IPPTZ773A</b>	<p><b>PTZ minidome Day &amp; Night colour IP camera, optical zoom 12x, FULL-HD (1080p)@60 ips resolution, case IP66 waterproof, 2.2.1 ONVIF compatible.</b></p> <p>Camera sensor : 1/2.8" CMOS Sony Exmor Progressive Scan  Camera lens : 5.32 - 62.61 mm, autofocus  Camera digital zoom : 16x  Video trasmission : Triple streaming  Sensitivity (lux) : 0.5 (color) / 0.1 (B&amp;W)  Mechanical removal of IR filter : Yes  Alarm Input / Output : 1 / 1  Type of audio signal : Bidirectional, Local audio alarm message  Main functions : 240 Preset, 8 Tour, WDR, DNR, DIS, Privacy mask, Motion detection, Video analytics, Web browser  Additional functions : RS485  Network security : Multi-user authorization, IP filtering, HTTPS, SSL  AC supply voltage : 24 V  POE power supply camera : Yes  DC supply voltage : 12 V  Absorption : 12 W  Diameter (mm) : 154  Product height (mm) : 150</p>	
	<b>IPPTZ777A</b>	<p><b>PTZ dome Day &amp; Night colour IP camera, optical zoom 30x, FULL-HD (1080p)@60 ips resolution, 2.2.1 ONVIF compatible.</b></p> <p>Camera sensor : 1/2.8" CMOS Sony Exmor Progressive Scan  Camera lens : 4.3 - 129 mm, autofocus  Camera digital zoom : 16x  Video trasmission : Triple streaming  Sensitivity (lux) : 0.5 (color) / 0.1 (B&amp;W)  Mechanical removal of IR filter : Yes  Alarm Input / Output : 2 / 1  Type of audio signal : Bidirectional, Local audio alarm message  Main functions : 240 Preset, 8 Tour, WDR, DNR, DIS, Privacy mask, Motion detection, Video analytics, Web browser  Additional functions : RS485  Network security : Multi-user authorization, IP filtering, HTTPS, SSL  AC supply voltage : 24 V  POE power supply camera : Yes  DC supply voltage : 12 V  Absorption : 16 W  Diameter (mm) : 125  Product height (mm) : 202</p>	

IP

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SERIES



# IP HIGH SERIES CAMERAS



## IPPTZ779A

**PTZ dome Day & Night all-in-one colour IP camera, optical zoom 30x, FULL-HD (1080p)@60 ips resolution, case IP66 waterproof, synchronized infrared leds with a range up to 150 meters, 2.2.1 ONVIF compatible.**

**Power supply included.**

Camera sensor : 1/2.8" CMOS Sony Progressive Scan

Camera lens : Varifocal, 4.3-129

Camera digital zoom : 16x

Sensitivity (lux) : 0.5 (colour) / 0.1 (B&W)

Mechanical removal of IR filter : Yes

Alarm Input / Output : 1 / 1

Type of audio signal : Bidirectional, Local audio alarm message

Main functions : 240 Preset, 8 Tour, WDR, DNR, DIS, Privacy mask, Motion detection, Video analytics, Web browser

Additional functions : RS485

Network security : Multi-user authorization, IP filtering, HTTPS, SSL

DC supply voltage : 12 V

Absorption : 36 W

Diameter (mm) : 202

Product height (mm) : 371

Product depth (mm) : 349

HIGH

# IP HIGH SERIES

## ENCODERS AND DECODERS

### IPCOD691A

#### IP encoder with 1 video input, IPCONVERTER series.

Video input : 1 (BNC)

Video compression : H264, MPEG4, MJPEG

Frame rate : 25 ips @ 4CIF

Ports : USB, RS485, Ethernet 10/100

Audio inputs/outputs : 1/1

Alarm Inputs/Outputs : 2/1

Main functions : Multi-user authorization, IP filtering, Web browser, Privacy mask, Motion detection, Mail notification, ONVIF compatible

AC supply voltage : 24 V

DC supply voltage : 12 V

PoE power supply : Yes

Absorption : 5 W

Product width (mm) : 155

Product height (mm) : 40

Product depth (mm) : 102.4

HIGH



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SERIES

# IP HIGH SERIES

## HOUSINGS AND ACCESSORIES

	44126	<p><b>Waterproof housing, UNICA series, for indoor/outdoor with sunshield, PoE technology (standard IEEE802.3at draft - 30 W), protected cable passage, back opening, power splitter integrated compatible with 1 Gigabit networks with waterproof RJ45 connector, heating and ventilation thermostated, die-cast aluminum housing, IP66 waterproof, RAL9002 colour, dimensions (W x H x D) 100 x 75 x 270, weight 4 kg. Bracket included.</b></p> <p>Product width (mm) : 135.42 Product height (mm) : 226.67 Product depth (mm) : 468.1</p>	
	44128	<p><b>Waterproof housing, UNICA series, for indoor/outdoor with sunshield, vandalproof with shatterproof glass, PoE technology (standard IEEE802.3at draft - 30 W), protected cable passage, back opening, power splitter integrated compatible with 1 Gigabit networks with waterproof RJ45 connector, heating and ventilation thermostated, die-cast aluminum housing, IP66 waterproof, RAL9002 colour, dimensions (W x H x D) 100 x 75 x 270, weight 4 kg. Bracket included.</b></p> <p>Product width (mm) : 135.42 Product height (mm) : 226.67 Product depth (mm) : 468.1</p>	
	44125	<p><b>PoE injector (standard IEEE802.3at - 33.6 W) for UNICA series housing art. 44126 and 44128.</b></p> <p>AC supply voltage : 100-240 V Product width (mm) : 65 Product height (mm) : 36 Product depth (mm) : 155</p>	
	44103	<p><b>Pole mount accessory for housing bracket UNICA series, maximum load 20 kg, made of aluminium painted with epoxy-polyester powders, RAL9002 colour, integrated cable passage, pole diameter from 50 to 140 mm.</b></p>	
	40720	<p><b>False-ceiling installation accessory for dome cameras NAKEDTRAX series art. 40752, 40756, HPTZ752B, HPTZ756B and IPPTZ777A.</b></p>	
	40722	<p><b>Corner installation accessory for universal dome housing, compatible with art. 40728, 40729 (with adapter art. 40725) and 40734, and with AFCAM series cameras (with adapter art. 40723).</b></p>	

# IP HIGH SERIES

## HOUSINGS AND ACCESSORIES

	<b>40725</b>	Fixing/anchoring plate for art. 40729 to be used in combination with art. 40722 and 40726.	
	<b>40726</b>	Pole-mounting accessory (pole diameter from 80 to 140 mm) for universal dome housing, can be used for art. 40728 , 40729 (with adapter art. 40725) and 40734 and AFCAM series cameras (with adapter art. 40723).	
	<b>40727</b>	Ceiling bracket for dome housing art. 40731.	
	<b>40728</b>	Wall mount bracket for dome housing art. 40731 and dome cameras art. 40768, 40801, MPTZ768B, MPTZ801B and IPPTZ779A.	
	<b>40729</b>	Wall bracket, with transformer and quick-fit connection, for dome cameras art. 40768, 40801, MPTZ768B, MPTZ801B and for dome housing art. 40731.	
	<b>40731</b>	Dome housing for outdoor use without bracket, thermostat-controlled and fan-cooled, power supply 24 VAC, for dome cameras NAKEDTRAX series art. 40752, 40756, HPTZ752B, HPTZ756B and dome IP art. IPPTZ777A.	
	<b>40732</b>	Ceiling mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.	

IP

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HIGH  
SERIES

# IP HIGH SERIES









## HOUSINGS AND ACCESSORIES

**40734**

Wall mount bracket for dome cameras MINITRAX series art. 40767, MPTZ767B, HCAM633B, HCAM634B, HCAM635B, 40762 and minidome IP art. IPCAM722A, IPCAM727A and IPPTZ773A.

# IP HIGH SERIES

## ASPHERICAL LENSES

	42246	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 2.4 to 6 mm, F1.2-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH
	42308	Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 3 to 8 mm, F1-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH
	42412	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 4 to 12 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH
	42550	Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 5 to 50 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.	 HIGH

IP

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SERIES

# IP HIGH SERIES

## RECORDING UNITS



### IPNVR700A

**Stand-alone NAS with 4 IP inputs D1 or 2 IP inputs FULL-HD (1080p), wireless, WPS button for automatic configuration, 2.2.1 ONVIF compatible.**

Video compression : H264  
 Video inputs : 4 (D1) / 2 (FULL-HD)  
 Alarm Inputs/Outputs : 8 / 8  
 Display / recording frame rate : 120 ips@D1 (4 CH) / 120 ips@FULL-HD (2CH) Real Time  
 Hard disk capacity supplied : 1 TB (3 TB max)  
 Additional hard disks (SATA) : 1 (ext)  
 Recording methods : Scheduled, Event  
 Protocols supported : HTTP, TCP/IP, DHCP, DDNS, ONVIF  
 Remote control via browser : Yes  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB, RS232, Ethernet 10/100/1000  
 Main functions : Web server, HDD monitoring via S.M.A.R.T., Watermarking  
 DC supply voltage : 12 V  
 Absorption : 36 W  
 Product width (mm) : 60  
 Product height (mm) : 190  
 Product depth (mm) : 218

HIGH



### IPNVR704A

**Stand-alone NVR with 4 IP inputs FULL-HD (1080p), 2.2.1 ONVIF compatible.**

Video compression : H264  
 Video inputs : 4 (FULL-HD, PoE-82.5 W max)  
 Main video output : 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : - / 1 (RCA)  
 Alarm Inputs/Outputs : 4 / 4  
 Display / recording frame rate : 120 ips @ FULL-HD Real Time  
 Hard disk capacity supplied : 1 TB (3 TB max)  
 Additional hard disks (SATA) : 1 (3 TB max) + eSATA  
 Recording methods : Auto at start up, Manual, Scheduled, Event  
 Protocols supported : HTTP, TCP/IP, DHCP, DDNS, ONVIF  
 Remote control via browser : Yes  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB, Ethernet 10/100/1000  
 Main functions : Auto IP, PiP, Zoom, e-Map, Web server, HDD monitoring via S.M.A.R.T., Watermarking  
 DC supply voltage : 48 V  
 Absorption : 150 W  
 Product width (mm) : 272  
 Product height (mm) : 85  
 Product depth (mm) : 265

HIGH

# IP HIGH SERIES

## RECORDING UNITS

### IPNVR708A

#### Stand-alone NVR with 8 IP inputs FULL-HD (1080p), 2.2.1 ONVIF compatible.

Video compression : H264  
 Video inputs : 8 (FULL-HD, 4 PoE-82.5 W max)  
 Main video output : 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : - / 1 (RCA)  
 Alarm Inputs/Outputs : 4 / 4  
 Display / recording frame rate : 240 ips @ FULL-HD Real Time  
 Hard disk capacity supplied : 1 TB (3 TB max)  
 Additional hard disks (SATA) : 1 (3 TB max) + eSATA  
 Recording methods : Auto at start up, Manual, Scheduled, Event  
 Protocols supported : HTTP, TCP/IP, DHCP, DDNS, ONVIF  
 Remote control via browser : Yes  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB, Ethernet 10/100/1000  
 Main functions : Auto IP, PiP, Zoom, e-Map, Web server, HDD monitoring via S.M.A.R.T., Watermarking  
 DC supply voltage : 48 V  
 Absorption : 150 W  
 Product width (mm) : 272  
 Product height (mm) : 85  
 Product depth (mm) : 265

HIGH



### IPNVR746A

#### Stand-alone NVR with 16 IP inputs FULL-HD (1080p), 2.2.1 ONVIF compatible.

Video compression : H264  
 Video inputs : 16 (FULL-HD, PoE-100 W max)  
 Main video output : 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : - / 1 (RCA)  
 Alarm Inputs/Outputs : 16 / 4  
 Display / recording frame rate : 480 ips @ FULL-HD Real Time  
 Hard disk capacity supplied : 1 TB (3 TB max)  
 Additional hard disks (SATA) : 3 (9 TB max) + eSATA  
 Recording methods : Auto at start up, Manual, Scheduled, Event  
 Protocols supported : HTTP, TCP/IP, DHCP, DDNS, ONVIF  
 Remote control via browser : Yes  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 2 x USB, Ethernet 10/100/1000  
 Main functions : Auto IP, PiP, Zoom, e-Map, Web server, HDD monitoring via S.M.A.R.T., Watermarking  
 DC supply voltage : 48 V  
 Absorption : 160 W  
 Product width (mm) : 435  
 Product height (mm) : 85  
 Product depth (mm) : 350

HIGH



IP

START  
SERIES

HIGH  
SERIES



# IP HIGH SERIES

## SOFTWARE



### COMELIT\_RAS\_SOLUTION

COMELIT RAS SOLUTION management software for 64 network inputs for IP devices HIGH series.

#### Main functions:

- Various monitoring windows for live viewing, playback and system status
- Multi-level E-map (electronic map) viewing
- NVR support
- Unlimited disk recording space and assigning devices and configurable multiple disks
- Multiple recording modes
- Various search methods
- Remote configuration of network devices
- Easy control of PTZ functions, Smart Focus and alarms
- Users and permission levels management
- Auto / manual control of updates and update online
- Reporting, search and event notification



### COMELIT\_IP\_RAS

Mobile device software "COMELIT IP RAS" for devices IP HIGH series.

#### Main functions:

- Viewing of 24 video streams
- Cameras setup
- Search / Playback
- PTZ control
- Bidirectional audio
- Supports network cameras and NVR
- Available for iOS and Android

# IP HIGH SERIES KEYBOARDS

## USBKY700A



**USB control keyboard for IPNVR704A, IPNVR708A, IPNVR746A and Comelit RAS Solution management software.**

Type of display : LCD

Type of joystick : Movement on 3 axes, variable-speed

Backlighting colour : Green

Type of connections/ports : USB / RS485 / RS232

DC supply voltage : 12 V

Absorption : 6 W

Product width (mm) : 405

Product height (mm) : 107

Product depth (mm) : 176

HIGH





IP

START  
SERIES

HIGH  
SERIES

# IP HIGH SERIES



## SWITCH AND TRANSMISSION

	<b>IPSWP005A</b>	<b>Network switch, 5 ports (4 PoE, 15 W each).</b> <b>Power supply included.</b> LAN ports number : 1 (10/100) LAN PoE ports number : 4 (10/100) x 48 VDC (60 W max) DC supply voltage : 48 V	
	<b>IPSWP008A</b>	<b>Network switch, 8 PoE ports (15 W each).</b> <b>Power supply included.</b> LAN PoE ports number : 8 (10/100) x 48 VDC (120 W max) DC supply voltage : 48 V	
	<b>IPSWP009A</b>	<b>Network switch, 9 ports (8 PoE, 15 W each).</b> <b>Power supply included.</b> LAN ports number : 1 (10/100/1000) LAN PoE ports number : 8 (10/100) x 48 VDC (120 W max) DC supply voltage : 48 V	
	<b>IPSWC005A</b>	<b>Network switch, 5 Gigabit ports.</b> <b>Power supply included.</b> LAN ports number : 5 (10/100/1000) DC supply voltage : 5 V	
	<b>IPSWC008A</b>	<b>Network switch, 8 Gigabit ports.</b> <b>Power supply included.</b> LAN ports number : 8 (10/100/1000) DC supply voltage : 5 V	
	<b>IPSWC024A</b>	<b>Network switch, 24 Gigabit ports, designed for 19" rack mount (1 unit, adapter included).</b> LAN ports number : 24 (10/100/1000) AC supply voltage : 230 V	
	<b>IPEOC001A</b>	<b>Active converter from LAN 10/100 Base/T to coaxial cable RG59 75 ohm and viceversa for signal transmission of IP equipment, included the PoE power supply. Maximum distance 125 metres, RJ45 connector for LAN, BNC connector for coaxial cable, power supply 48 VDC (power supply included).</b> <b>Tx dimensions (W x H x D): 130 x 27 x 67 mm.</b> <b>Rx dimensions (W x H x D): 117 x 33 x 75 mm.</b>	

IP

HIGH SERIES

SWITCH AND TRANSMISSION

	48086	Multifunctional all-in-one data transceiver 5GHz, built-in 13dBi antenna, IEEE 802.11a (compatible 808.11h), interface by LAN 10/100, configurable as Access Point, Client, WDS Bridge, Repeater, router WISP or router AP, PoE power supply (power supply in equipment), waterproof plastic housing.	<div></div> <div>HIGH</div>
	48087	Wall/pole metallic mounting kit for video transceiver art. 48086.	

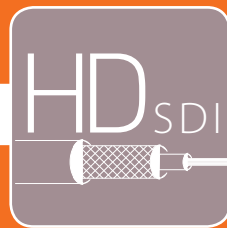
IP

START  
SERIES

HIGH  
SERIES

# HD-SDI VIDEO SURVEILLANCE: HIGH DEFINITION OVER A COAXIAL CABLE.

- image transmission without compression
- no data loss
- at full frame-rate
- no delay during viewing



HD-SDI

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# High definition over a 1080p coaxial cable

CCTV systems just as you have always created them: THE SAME COAXIAL CABLE, DIFFERENT RESULTS.

ANALOG



D1



HD-SDI



FULL HD

## No networking knowledge required

No networking knowledge is necessary and no IP address is required: all products use PLUG & PLAY technology. The camera remains a camera and is connected to a video recorder, but in FULL HD.

- after the infrastructure has been checked. For detailed information, please contact your local Comelit retailer.



# Image FULL HD



The FULL HD signal means every detail can be captured; both live and recording mode (1920 x 1080) offer astounding image quality. No more grainy enlarged images, but FULL HD details which allow you to optimise your video surveillance system usage. The FULL HD signal means every detail can be captured; both live and recording mode (1920 x 1080) offer astounding image quality.

## NO DELAY - IMAGES IN REAL TIME

The signal is neither compressed nor sent via network protocol; there is no transmission delay, meaning the FULL HD images travel in real time.



1920x1080 FULL HD



720x576

HD-SDI

CAMERAS AND LENSES

ENCODERS AND  
DECODERS

DVR



# HD-SDI solution

## DEFOG FUNCTION



ON

OFF

### HDCAM502A

BOX camera  
IR cut  
2/3 DNR  
DEFOG



### HDCAM601A

3.6 mm  
20 m IR  
IR cut  
2/3 DNR



### HDCAM602A

2.8 - 12 mm  
30 m IR  
IR cut  
2/3 DNR



### HDREP001A REPEATER function



### HDCAM651A

3.6 mm  
IR cut  
2/3 DNR



### HDCAM652A



### HDCAM360A

HD CCTV 5M  
5 Megapixel CMOS sensor  
180° and 360° panoramic view  
Virtual PTZ control  
Set Preset / Recall Preset /  
Automatic Preset  
Tilt / Mirror / Rotation  
Multiple display mode  
Motion Tracking  
Privacy Zones  
Microphone



## NOTE

we recommend the use of cables:  
Belden type DV series 40, 80, 140  
BetaCavi type HD series 4-8-14.



A BELDEN COMPANY



### HDDVR040A

Full HD recording  
4 inputs  
H264 compression  
Dual Stream



HDMI



### HDDVR 080A

Full HD recording  
8 inputs  
H264 compression  
Dual Stream

LOCAL  
MANAGEMENT



### HDDVR160A

Full HD recording  
16 inputs  
H264 compression  
Dual Stream

REMOTE  
MANAGEMENT







HD-SDI

CAMERAS AND LENSES

ENCODERS AND  
DECODERS


DVR

			
	<b>Art. HDCAM360A</b>	<b>Art. HDCAM502A</b>	
Lens	Fixed, 1.19 mm	-	
System	Colour	Day & Night	
Image sensor	1/3.2" Color CMOS QXGA, 5 Megapixel	1/3" CMOS, 2 Megapixel	
Resolution	1080p (FULL-HD)	1080p (FULL-HD)	
IR filter mechanical removal	-	-	
Integrated infrared illumination	-	-	
Maximum distance infrared illumination (m)	-	-	
Minimum Illumination (lux)	-	0.02	
Main/Special function	Panoramic view 360°, angle of view: horizontal 185°, vertical 185°, diagonal 185°, Autotracking	Defog, Camera title, Sense-Up (x2, x30), Mirror, OSD menu	
Electronic shutter	Auto, x3, x2, x1, 1/100, 1/120, 1/250	Auto, 1/50 ÷ 1/50.000 s / Flk	
Backlight compensation	-	BLC, HSBL, OFF	
Wide Dynamic Range (ACCE)	-	Low, Middle, High, OFF	
Digital Noise Reduction (DNR)	-	2DNR, 3DNR, Smart NR	
White balance	Auto	AWC, Manual, Indoor, Outdoor, ATW	
Video output	1 (HDMI), 1 (HD-SDI), 4 (BNC)	1 (HD-SDI), 1 (RCA)	
Serial	RS485	-	
Case	Minidome	Box	
IP degree protection	-	-	
Power supply	12 VDC	12 VDC	

			
	<b>Art. HDDVR040A</b>	<b>Art. HDDVR080A</b>	
HD-SDI video input	4	8	
Video output	1 BNC, 1 VGA, 1 HDMI	1 BNC, 1 VGA, 1 HDMI	
Video compression	H264	H264	
HDD (SATA) in equipment	1 TB	1 TB	
Additional HDD (SATA)	1	7	
Audio inputs	4	8	
Audio outputs	1	1	
Alarm inputs	4	8	
Alarm outputs	4	4	
Recording IPS	25@1080p	100@1080p	
Recording methods	Continuous, Scheduled, Motion, Alarm, Manual	Continuous, Scheduled, Motion, Alarm, Manual	
Remote access	Web, Viewer (single and multiple)	Web, Viewer (single and multiple)	
Remote access by mobile device	iPhone, iPad, Android (owner Viewer)	iPhone, iPad, Android (owner Viewer)	
Streaming	Double (local, remote)	Double (local, remote)	
Ports	Ethernet 10/100/1000, RS485, USB	Ethernet 10/100/1000, RS485, USB, e-SATA	
Backup	USB, Network	USB, Network	

# HD-SDI CAMERAS

			
<b>Art. HDCAM601A</b>	<b>Art. HDCAM602A</b>	<b>Art. HDCAM651A</b>	<b>Art. HDCAM652A</b>
Fixed, 3.6 mm	Varifocal, 2.8 ÷ 12 mm	Fixed, 3.6 mm	Varifocal, 2.8 ÷ 12 mm
Day & Night	Day & Night	Day & Night	Day & Night
1/3" CMOS, 2 Megapixel	1/3" CMOS, 2 Megapixel	1/3" CMOS, 2 Megapixel	1/3" CMOS, 2 Megapixel
1080p (FULL-HD)	1080p (FULL-HD)	1080p (FULL-HD)	1080p (FULL-HD)
Yes	Yes	Yes	Yes
Yes, 42 leds	Yes, 56 leds	-	Yes, 21 leds
20	30	-	15
0.02	0.02	0.02	0.02
-	-	-	-
Auto, 1/50 ÷ 1/50.000 s / Flk	Auto, 1/50 ÷ 1/50.000 s / Flk	Auto, 1/50 ÷ 1/50.000 s / Flk	Auto, 1/50 ÷ 1/50.000 s / Flk
-	-	-	-
-	-	-	-
2DNR, 3DNR, Smart NR	2DNR, 3DNR, Smart NR	2DNR, 3DNR, Smart NR	2DNR, 3DNR, Smart NR
-	-	-	-
1 (HD-SDI), 1 (BNC - 700 TVL)	1 (HD-SDI), 1 (BNC - 700 TVL)	1 (HD-SDI), 1 (BNC - 700 TVL)	1 (HD-SDI), 1 (BNC - 700 TVL)
-	-	-	-
All-in-one	All-in-one	Minidome	Minidome
67	66	65	65
12 VDC	12 VDC	12 VDC	12 VDC


<b>Art. HDDVR160A</b>
16
1 BNC, 1 VGA, 1 HDMI
H264
1 TB
7
16
1
16
4
200@1080p
Continuous, Scheduled, Motion, Alarm, Manual
Web, Viewer (single and multiple)
iPhone, iPad, Android (owner Viewer)
Double (local, remote)
Ethernet 10/100/1000, RS485, USB, e-SATA
USB, Network









HD-SDI

CAMERAS





ENCODERS AND  
DECODERS

DVR









# HD-SDI CAMERAS CAMERAS

	<b>HDCAM360A</b>	<p><b>Minidome HD-SDI colour camera, 1.19 mm fixed lens, 1080p / 1080i/ 720p resolution, 5 megapixel, case suitable for indoor use.</b></p> <p>Camera sensor : 1/3.2" color CMOS QXGA          Camera digital zoom : Yes          Main functions : 360° and 180° panorama view, Virtual PTZ, Auto Pan function, Privacy mask, Multi-screen display, Microphone, Autotracking          DC supply voltage : 12 V          Absorption : 6.6 W          Diameter (mm) : 145          Product height (mm) : 80</p>	 MIDDLE
	<b>HDCAM502A</b>	<p><b>Box HD-SDI Day &amp; Night colour camera, FULL-HD (1080P)@25 ips resolution, 2 megapixel.</b></p> <p>Camera sensor : 1/3" CMOS          Sensitivity (lux) : 0.02 (colour)          Electronic removal of IR filter : Yes          Main functions : Defog, ACCE (WDR), AGC, BLC, HSBL, Smart NR, 2DNR, 3DNR          DC supply voltage : 12 V          Absorption : 5.6 W          Product width (mm) : 56          Product height (mm) : 50          Product depth (mm) : 125.7</p>	 MIDDLE
	<b>HDCAM601A</b>	<p><b>All-in-one HD-SDI Day &amp; Night colour camera, 3.6 mm fixed lens, FULL-HD (1080p)@25 ips resolution, 2 megapixel, case IP67 waterproof, 42 infrared leds with range of up to 20 meters.</b></p> <p>Camera sensor : 1/3" CMOS          Sensitivity (lux) : 0.02 (colour)          Mechanical removal of IR filter : Yes          Main functions : 2DNR, 3DNR          DC supply voltage : 12 V          Absorption : 5.88 W          Product width (mm) : 77.3          Product height (mm) : 173          Product depth (mm) : 158</p>	 MIDDLE
	<b>HDCAM602A</b>	<p><b>All-in-one HD-SDI Day &amp; Night colour camera, 2.8-12 mm varifocal lens, FULL-HD (1080p)@25 ips resolution, 2 megapixel, case IP66 waterproof, 56 infrared leds with range of up to 30 meters.</b></p> <p>Camera sensor : 1/3" CMOS          Sensitivity (lux) : 0.02 (colour)          Mechanical removal of IR filter : Yes          Main functions : 2DNR, 3DNR          DC supply voltage : 12 V          Absorption : 8.28 W          Product width (mm) : 85          Product height (mm) : 176          Product depth (mm) : 188.5</p>	 MIDDLE

# HD-SDI CAMERAS CAMERAS

	<b>HDCAM651A</b>	<b>Minidome HD-SDI Day &amp; Night colour camera, 3.6 mm fixed lens, FULL-HD (1080p)@25 ips resolution, 2 megapixel, case IP65 waterproof.</b> Camera sensor : 1/3" CMOS Sensitivity (lux) : 0.02 (colour) Mechanical removal of IR filter : Yes Main functions : 2DNR, 3DNR DC supply voltage : 12 V Absorption : 4.68 W Diameter (mm) : 110 Product height (mm) : 80.2	 MIDDLE
	<b>HDCAM652A</b>	<b>Minidome HD-SDI Day &amp; Night colour camera, 2.8-12 mm varifocal lens, FULL-HD (1080p)@25 ips resolution, 2 megapixel, case IP65 waterproof, 21 infrared leds with range of up to 15 meters.</b> Camera sensor : 1/3" CMOS Sensitivity (lux) : 0.02 (colour) Mechanical removal of IR filter : Yes Main functions : 2DNR, 3DNR DC supply voltage : 12 V Absorption : 4.68 W Diameter (mm) : 140 Product height (mm) : 99.6	 MIDDLE

## ASPHERICAL LENSES

	<b>42246</b>	<b>Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 2.4 to 6 mm, F1.2-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.</b>	 HIGH
	<b>42308</b>	<b>Megapixel varifocal autoiris ASPHERICAL TAMRON DC-Drive lens from 3 to 8 mm, F1.2-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.</b>	 HIGH
	<b>42412</b>	<b>Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 4 to 12 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.</b>	 HIGH
	<b>42550</b>	<b>Megapixel varifocal autoiris ASPHERICAL TAMRON DC Drive lens from 5 to 50 mm, F1.4-360, dimension 1/3", CS mount, manual zoom and focus, iris adjustable on the camera, minimum distance from object being filmed of 0.3 m, pre-fitted connector.</b>	 HIGH

HD-SDI



CAMERAS

ENCODERS AND  
DECODERS

DVR

# HD-SDI CAMERAS

## ENCODERS AND DECODERS

	<b>HDREP001A</b>	<b>HD-SDI video signal repeater/splitter, 1 HD-SDI input, 1 HD-SDI output, 1 HDMI output, supported formats 1080p - 1080i - 720p, maximum distance 100 meters with RG6/U cable, power supply 12 VDC, metallic case, black colour. Dimensions (W x H x D) 71.5 x 115.39 x 25 mm, weight 180 g.</b>	
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## DVR

	<b>HDDVR040A</b>	<b>Stand-alone HD-SDI DVR with 4 inputs, Pentaplex function.</b> Video compression : H264 Operating system : Linux Embedded Video inputs : 4 (HD-SDI) Main video output : 1 (BNC), 1 (VGA), 1 (HDMI) Audio inputs/outputs : 4 (RCA) / 1 (RCA) Alarm Inputs/Outputs : 4/4 Display / recording frame rate : 25 ips@1080p Hard disk capacity supplied : 1 TB Additional hard disks (SATA) : 1 Recording methods : Auto at start up. Manual, Scheduled, Event Protocols supported : TCP/IP, PPPoE, DHCP, DDNS Remote control via browser : Internet Explorer Remote control by software : Yes Remote control by mobile : Yes Type of connections/ports : 1 x RS485, 2 x USB 2.0 DC supply voltage : 12 Absorption : 30 W Product width (mm) : 430 Product height (mm) : 65 Product depth (mm) : 30	
	<b>HDDVR080A</b>	<b>Stand-alone HD-SDI DVR with 8 inputs, Pentaplex function.</b> Video compression : H264 Operating system : Linux Embedded Video inputs : 8 (HD-SDI) Main video output : 1 (BNC), 1 (VGA), 1 (HDMI) Audio inputs/outputs : 8 (RCA) / 1 (RCA) Alarm Inputs/Outputs : 8/4 Display / recording frame rate : 100 ips@1080p Hard disk capacity supplied : 1 TB Additional hard disks (SATA) : 7 + eSATA Recording methods : Auto at start up. Manual, Scheduled, Event Protocols supported : TCP/IP, PPPoE, DHCP, DDNS Remote control via browser : Internet Explorer Remote control by software : Yes Remote control by mobile : Yes Type of connections/ports : 1 x RS485, 2 x USB 2.0 AC supply voltage : 110 - 220 Absorption : 40 W Product width (mm) : 430 Product height (mm) : 89 Product depth (mm) : 450	

## HDDVR160A

### Stand-alone HD-SDI DVR with 16 inputs, Pentaplex function.

Video compression : H264  
 Operating system : Linux Embedded  
 Video inputs : 16 (HD-SDI)  
 Main video output : 1 (BNC), 1 (VGA), 1 (HDMI)  
 Audio inputs/outputs : 16 (RCA) / 1 (RCA)  
 Alarm Inputs/Outputs : 16/4  
 Display / recording frame rate : 200 ips@1080p  
 Hard disk capacity supplied : 1 TB  
 Additional hard disks (SATA) : 7 + eSATA  
 Recording methods : Auto at start up. Manual, Scheduled, Event  
 Protocols supported : TCP/IP, PPPoE, DHCP, DDNS  
 Remote control via browser : Internet Explorer  
 Remote control by software : Yes  
 Remote control by mobile : Yes  
 Type of connections/ports : 1 x RS485, 2 x USB 2.0  
 AC supply voltage : 110 - 220  
 Absorption : 40 W  
 Product width (mm) : 430  
 Product height (mm) : 89  
 Product depth (mm) : 450

MIDDLE



## SOFTWARE

### CMS

#### CMS software management for DVR HD-SDI series.

##### Main functions:

- Graphical interface
- Viewing images in live and recorded images on the DVR
- Management of graphical maps
- DVR remote configuration
- Recording and playing in local



### SUPERLIVE\_PRO

#### Management software for mobile devices SUPERLIVE PRO for DVR HD-SDI series.

##### Main functions:

- Viewing Live images
- Search / Playback of images recorded on the DVR or locally
- PTZ control
- Available for iOS and Android



HD-SDI

CAMERAS

ENCODERS AND  
DECODERS

DVR



## MONITORS: TOTAL CONTROL.

- colour monitor
- different sizes for all requirements
- standard and hi-res, for maximum image quality

## MONITORS

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# MONITOR

## MONITOR

### STANDARD



#### SMON156A

#### Colour monitor with 15.6" LED display, display ratio 16:9, HD resolution.

Type of display : 15.6" LED  
 Displayable colours (million) : 16.7  
 Display contrast ratio : 5000000:1 (DCR)  
 Display brightness (cd/m2) : 220  
 Angle of view (°, right / left / high / low) : 150 / 150 / 135 / 135  
 Response time (Tr/Td -ms) : 3  
 Video inputs : 1 (VGA)  
 Audio inputs/outputs : 1/2 (speakers, 2W)  
 AC supply voltage : 100 - 240 V (50-60 Hz)  
 Absorption : 20 W max  
 Product width (mm) : 378.53  
 Product height (mm) : 295.91

  
 START







#### SMON185A

#### Colour monitor with 18.5" LED display, display ratio 16:9, HD resolution.

Type of display : 18.5" LED  
 Displayable colours (million) : 16.7  
 Display contrast ratio : 5000000:1 (DCR)  
 Display brightness (cd/m2) : 250  
 Angle of view (°, right / left / high / low) : 170 / 170 / 160 / 160  
 Response time (Tr/Td -ms) : 3  
 Video inputs : 1 (VGA)  
 Audio inputs/outputs : 1/2 (speakers, 2 W)  
 AC supply voltage : 100 - 240 V (50 - 60 Hz)  
 Absorption : 20 W max  
 Product width (mm) : 444.13  
 Product height (mm) : 334.16

  
 START

	<b>MMON185A</b>	<b>Colour monitor with 18.5" LED display, display ratio 16:9, HD resolution.</b> Type of display : 18.5" LED Displayable colours (million) : 16.7 Display contrast ratio : 10000:1 (DCR) Display brightness (cd/m2) : 250 Angle of view (°, right / left / high / low) : 178 / 178 / 178 / 178 Response time (Tr/Td -ms) : 3 Video inputs : 1 (VGA), 1 (BNC + 1 loop), 1 (HDMI), 1 (S-Video) Audio inputs/outputs : 1/2 (speakers, 2 W) AC supply voltage : 100 - 240 V (50 - 60 Hz) Absorption : 30 W max Product width (mm) : 452.14 Product height (mm) : 340.97	 MIDDLE
	<b>MMON215A</b>	<b>Colour monitor with 21.5" LED display, display ratio 16:9, FULL-HD resolution.</b> Type of display : 21.5" LED Displayable colours (million) : 16.7 Display contrast ratio : 5000000:1 (DCR) Display brightness (cd/m2) : 250 Angle of view (°, right / left / high / low) : 170 / 170 / 160 / 160 Response time (Tr/Td -ms) : 3 Video inputs : 1 (VGA), 1 (HDMI) Audio inputs/outputs : 1/2 (speakers, 2 W) AC supply voltage : 100 - 240 V (50 - 60 Hz) Absorption : 25 W max Product width (mm) : 516.60 Product height (mm) : 376.10	 MIDDLE

Available on demand following monitors:

32" - HMON032B  
42" - HMON042B  
55" - HMON055B

# COMELIT WORLDWIDE

With over fifty years' experience and commitment to constant innovation, Comelit designs and manufactures the world's best video door entry, CCTV, security and home automation systems. Despite its international stature, Comelit retains the entrepreneurial vibrancy and customer focus of a truly global business. Comelit products are available in more than 70 countries worldwide via the company's local technical and sales networks, and feature the guaranteed quality resulting from our field-leading technological research, continual process and application optimisation and our hallmark Italian design.



 **United States  
of America**

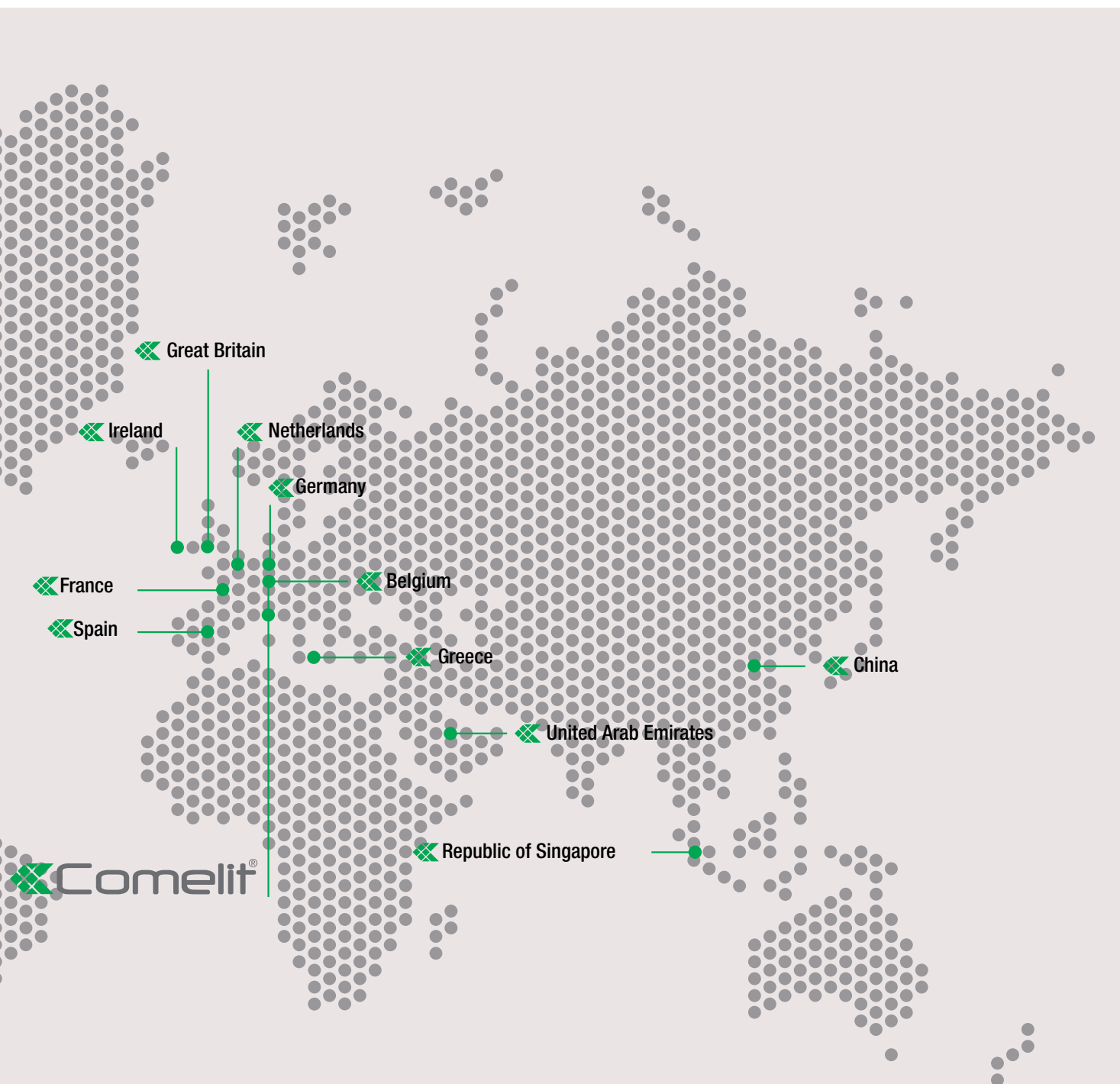
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## START CAMERAS AND DVRS



## START CAMERAS AND DVRs WITH PTZ





## MIDDLE / HIGH CAMERAS AND DVRs WITH PTZ



## START IP SERIES CAMERAS AND NVRS

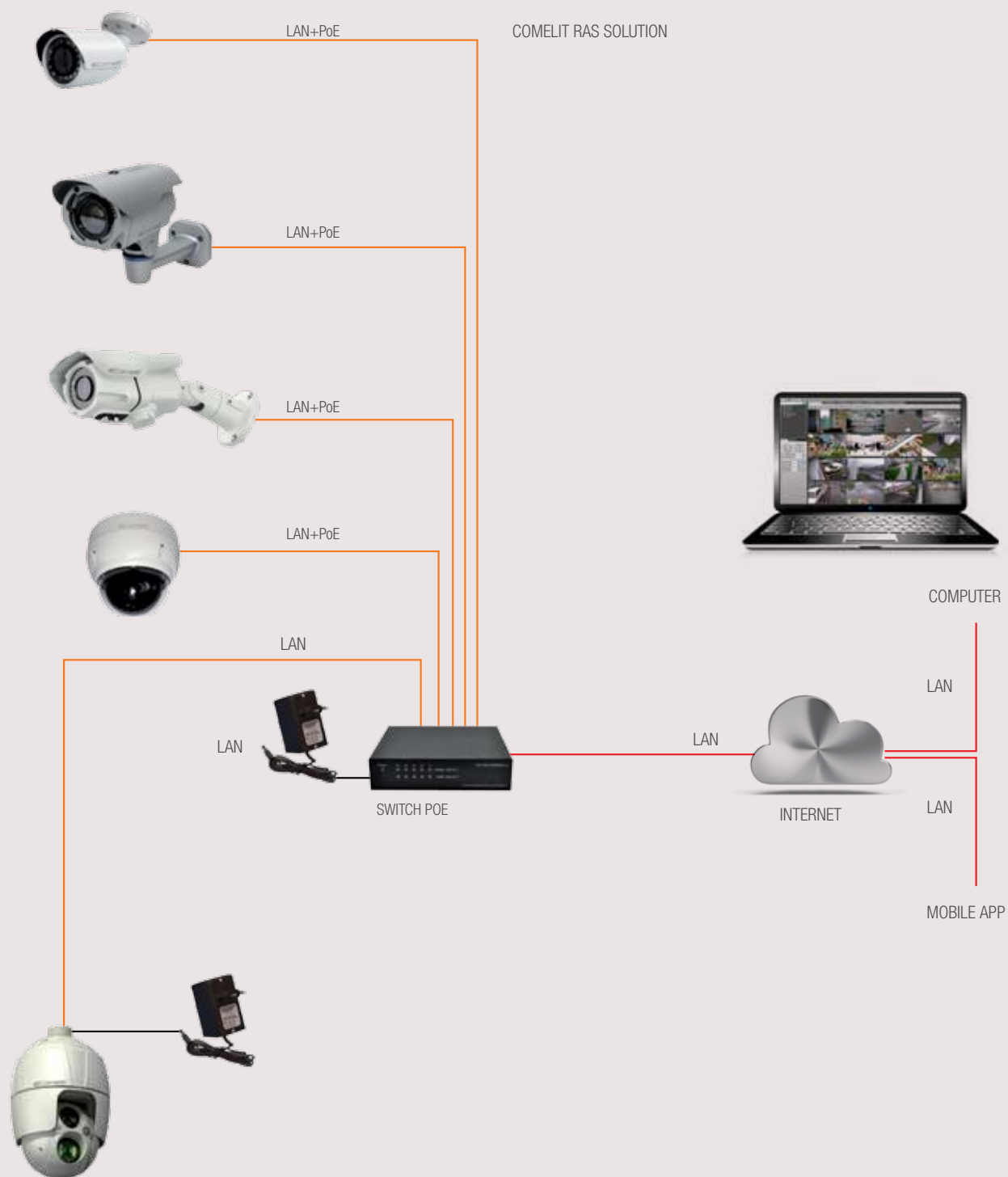


## HIGH IP SERIES CAMERAS WITH NVR



COMELIT RAS SOLUTION

## HIGH IP SERIES CAMERAS WITHOUT NVR



## HD-SDI



## NOTES

## NOTES

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## NOTES

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