

# TiX560 and TiX520 Infrared Cameras

# The Fluke Expert Series

# **Technical Data**



# PREMIUM IMAGE QUALITY

# SPATIAL RESOLUTION

**TiX560 and TiX520** *1.31 mRad* 

#### **RESOLUTION**

# TiX560 and TiX520

320 x 240 (76,800 pixels) and 640x480 (307,200 pixels) with SuperResolution Mode

# FILTER MODE (NETD IMPROVEMENT)

# **TiX560**

≤ 0.03 °C at 30 °C target temp (30 mK)

## TiX520

≤ 0.04 °C at 30 °C target temp (40 mK

### **TEMPERATURE RANGE**

# **TiX560**

-20 °C to +1200 °C (-4 °F to +2192 °F)

# TiX520

-20 °C to +850 °C (-4 °F to +1562 °F)

# **IMAGE SHARPENING**

#### **TiX560**

Image sharpening improves image clarity and quality



# Your view of infrared technology is about to change 180°

- Easily navigate over, under and around objects with the 180° articulating lens and see the image before you capture it
- Premium in-field viewing experience with the only
   5.7 inch responsive touchscreen LCD in its class¹—
   150 % more viewing area³
- Enhanced image quality and temperature measurement accuracy – turn your 320 x 240 images into 640 x 480 images, that's 4x's the resolution and pixels with SuperResolution
- Get an in-focus image with the touch of a button.
   LaserSharp® Auto Focus, exclusive to Fluke, uses a built-in laser distance meter that calculates and displays the distance to your designated target with pinpoint accuracy²
- See the details you need with smart lenses—2x and 4x telephoto, wide angle, and 25 micron macro no calibration required, interchangeable between compatible cameras
- See, save and share from the field and connect to the largest selection of wireless test and measurement tools with Fluke Connect<sup>nst</sup>

 $^{\rm l}\text{Compared}$  to industrial handheld infrared cameras with 320x240 detector resolution as of October 14, 2014.

<sup>&</sup>lt;sup>3</sup>Compared to a 3.5 inch screen.



Get tough shots from any angle with a 180° degree rotating lens and the only 5.7 inch LCD.



LaserSharp® Auto Focus uses a built in laser distance meter that calculates and displays the distance to your designated target with pinpoint accuracy.

<sup>&</sup>lt;sup>2</sup>Up to 30 meters (100 feet).



# **Detailed specifications**

	TiX560	TiX520
Key Features		
IFOV with standard lens (spatial resolution)	1.31 mRad,	D:S 764:1
Detector resolution	320 x 240 (7	76,800 pixels)
Field of view	24 °H	x 17 °V
Minimum focus distance	15 cm (ap	pprox. 6 in)
IFOV with optional 2x telephoto smart lens	0.65 mRad,	D:S 1528:1
Field of view	12 °H	V° 9 x
Minimum focus distance	45 cm (ap	prox. 18 in)
IFOV with optional 4x telephoto smart lens	0.33 mRad	, D:S 3056:1
Field of view	6.0 °H	x 4.5 °V
Minimum focus distance	1.5 m (ap	pprox. 5 ft)
IFOV with optional wide-angle smart lens	2.62 mRad,	D:S 399:1
Field of view	46 °H	x 34 °V
Minimum focus distance	15 cm (ap	pprox. 6 in)
Minimum micron spot size with optional macro smart lens	25 m	icrons
Field of view	36.1°	X 27.1°
Working distance	~8 mm (0.3 in) to ~14 mm (0.6 i	n) with optimal at 10 mm (0.4 in)
SuperResolution	On camera and in software	In software
Image sharpening	Yes	_
LaserSharp® Auto Focus	Yes, for consistently in-focus	images. Every. Single. Time.
Laser distance meter	Yes, calculates distance to the target for precisely	focused images and displays distance on screen
Advanced manual focus	Ye	es .
Streaming video (remote display)	Via HDMI or WiFi hot spot in remote control mode	Via HDMI
Touchscreen display (capacitive)	14.4 cm (5.7 in) diagonal landscape col	or VGA (640 x 480) LCD with backlight
Wireless connectivity	Ye	es .
Wireless compatibility	Yes, to PC, iPhone® and iPad® (iOS 4s and later), And	roid™ 4.3 and up, and WiFi to LAN (where available)
Fluke Connect™ app compatible	Yes (where	available)
Fluke Connect™ tool compatible	Yes (where available). Connects wireless to select Fluke Conn	ect™ enabled tools. Five simultaneous connections supported
IR-Fusion® technology	Ye	is .
AutoBlend™ mode	Ye	is .
Picture-In-Picture (PIP)	Ye	·s
Continuous AutoBlend™	Set AutoBlend™ level across continuum	_
Rugged, ergonomic design	Rotatable (articulating	g lens) >180 degrees
Thermal sensitivity (NETD)	≤ 0.045 °C at 30 °C target temp (45 mK)	≤ 0.05 °C at 30 °C target temp (50 mK)
Filter Mode (NETD improvement)	≤ 0.03 °C at 30 °C target temp (30 mK)	≤ 0.04 °C at 30 °C target temp (40 mK)
Level and span	Smooth auto and	manual scaling
Touchscreen adjustable level/span	Yes. Span and level can be easy and qu	ickly set by simply touching the screen
Fast auto toggle between manual and auto modes	Ye	is .
Fast auto-rescale in manual mode	Ye	es .
Minimum span (in manual mode)	2.0 °C (	3.6 °F)
Minimum span (in auto mode)	3.0 ℃ (	
Built-in digital camera (visible light)	5 megapixel indus	
Frame rate	60 Hz or 9 F	
Laser pointer	Ye	
LED light (torch)	Ye	
Digital Zoom	2x, 4x, 8x	2x, 4x
g 200m	ZII, IA, VA	way IA



Data storage and image capture  Potal storage and image capture  Extensive memory options  Removable micro SD memory card, on-board flash memory, save-to-USE flash drive capability, direct download via USB-to-PC connecting options, review, and save capability.  Pota-capture image editing (on camera)  Avanced text Annotation  Pota-capture image editing (on camera)  Avanced text Annotation  Pota-capture greine  Removable micro SD memory card, on-board flash memory, save-to-USE flash drive capability, direct download via USB-to-PC connective, review, and save capability.  Pota-capture image editing (on camera)  Avanced text Annotation  Removable flag or flally radiometric (is2); no analysis of in-Bed results  Removable greine  Removable formats with SmartViews and twarter (bmp) or (jpeg) or fully radiometric (is2); no analysis or in-Bed resulted for non-radiometric (bmp, jpg and avi)  Removable formats with SmartViews software  Potar flag formats with SmartViews software  Report file formats wide  Report file formats wide  Report file formats video  Report
Extensive memory options         Removable micro SD memory card, on-board flash memory, save-to-USB flash drive capability, direct download via USB-to-PC counting acquire, review, save mechanism           Fost-capture, review, save mechanism         One-handed image capture, review, and save capability           Fost-capture image editing (on camera)         Processory of the comment of the comm
Magic capture, review, save mechanism   One-handed image capture, review, and save capability   Post-capture image editing (on camera)   Yes. Conduct on camera analysis for in-field results   Advanced text Annotation   Non-radiometric (hmp) or (jpeg) or fully radiometric (laS); no analysis for in-field results   Non-radiometric (hmp) or (jpeg) or fully radiometric (laS); no analysis for in-field results   Non-radiometric (hmp) or (jpeg) or fully radiometric (laS); no analysis for in-field results   Non-radiometric (hmp) or (jpeg) or fully radiometric (laS); no analysis for in-field results   Non-radiometric (hmp) or (jpeg) or fully radiometric (laS); no analysis for in-field results   Non-radiometric (laS); no analysis mad review selection   Saturature (laS); n
Post-capture image editing fon camera)         Yes. Conduct on camera analysis for in-field results           Advanced text Annotation         Yes. Including standard shortcuts as well as user programmable options           Pile formats         Non-radiometric (.bmp) or (.jpeg) or fully radiometric (.js2); no nanalysis software required for non-radiometric (.bmp., .jpg and .av))           Memory review         SmartView® software         SmartView® software (where available), and SmartView® Mobile App—full analysis and reporting software           Export file formats with SmartView® software         BMP, DIB, GIF, JPE, JPE, JPEG, JPG, PNG, TIF, and TIFF           Voice annotation         60 seconds maximum recording time per image; review=hile playback on camera; Bluetoth headset provided*           Re-PhotoNotes®         Yes           Video recording         Standard and and and and and analy interval (.js3)           Remote control operation         Yes         —           Remote control operation         Yes         —           Battery         Properative (legical replaceable, rechargeable)         Two lithium ion smart battery packs with five-segment LED display to show charge level           Battery life         Two lithium ion smart battery packs with five-segment LED display to show charge level           Battery life         Properative (legical respiration)         Properative (legical respiration)         Properative (legical respiration)         Properative (legical respiration) <t< td=""></t<>
Advanced text Annotation    Yes. Including standard shortcuts as well as user programmable options   Non-radiometric (Lomp) or (Jopeg) or fully radiometric (Los2); no analysis software required for non-radiometric (Lomp), jpg and avi)   Memory review
Pile formats   Non-radiometric (Loopp) or (Jopeg) or fully radiometric [1.52]; no analysis software required for non-radiometric (Loopp, Jopg and Lavi)
Memory review Thumbnal view navigation and review selection  Software SmartViews software, Fluke Connect™ (where available), and SmartViews Mobile App—full analysis and reporting software  Export file formats with SmartViews software BMP, DIB, GIF, JPE, JPE, DPG, JPG, PNG, TIF, and TIFF  Voice annotation 60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset provided™  R-Photoblotes™ Yes  Video recording Standard and radiometric  File formats video Non-radiometric (MPEG - encoded AVI) and fully radiometric (LIS3)  Remote control operation Yes  Auto capture (temperature and interval) Faither and interval) Two lithium ion smart battery packs with five-segment LED display to show charge level  Battery life Three hours continuous use per battery pack  Battery large time Software Two-bay battery charger or in-imager charging. Optional 12 V automotive charging adapter  AC operation AC operation with included power surply (100 V AC to 240 V AC, 50/60 Hz)  Fowers awing Two-bay battery charger or in-imager charging. Optional 12 V automotive charging adapter  AC operation AC operation with included power surply (100 V AC to 240 V AC, 50/60 Hz)  Fowers awing User selectable sleep and power off modes  Temperature measurement range (100 × 100
Software SmartViews software, Pluke Connect™ (where available), and SmartViews Mobile App—full analysis and reporting software Export file formats with SmartViews software BMP, DIB, GIF, JPE, JPEG, JPG, PNG, TIF, and TIFF  Voice annotation 60 seconds maximum recording time per image: reviewable playback on camera; Bluetooth headset provided*  IR-PhotoNotes™ Jvs  Video recording Standard and radiometric  Pile formats video Non-radiometric (MPEG - encoded AVI) and fully radiometric (IS3)  Remote control operation Yes
Export file formats with SmartViews software  8MP, DIB, GIF, JPE, JFE, JFEG, JPG, PNG, TIF, and TIFF  Voice annotation  80 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset provided*  IR-PhotoNotes**  Text annotation  Yes  Video recording  File formats video  Non-radiometric (MPEG - encoded- AVI) and fully radiometric (IS3)  Remote control operation  Yes  Fattery  Auto capture (temperature and interval)  Pattery  Battery  Battery  Battery life  Battery slife   Three hours continuous use per battery pack  Battery life  Battery charge time  Battery charging system  AC operation  AC operation  AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)  Power saving  Fower saving  Conscreen emissivity correction  Pemperature measurement range (not calibrated below -10 °C)  Accuracy  Conscreen reflected background temperature consensivity correction  Conscreen reflected background temperature compensation  On-screen reflected background temperature  On-screen transmission correction  Selection  Yes  Cotraplettes  Selection  Selection of S
Noise annotation 60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset provided*  IR-PhotoNotes™ Text annotation Ves Video recording
IR-PhotoNotesess  Text annotation  Yes  Video recording  Standard and radiometric  File formats video  Non-radiometric [MPEG = encoded .AVI] and fully radiometric [IS3)  Remote control operation  Yes  Auto capture (temperature and interval)  Fattery  Battery  Battery (field-replaceable, rechargeable)  Battery (field-replaceable, rechargeable)  Battery harge time  Battery harge time  Battery harge time  AC operation  AC operation  AC operation with included power surply (100 V AC to 240 V AC, 50/60 Hz)  Power saving  Temperature measurement  Temperature measurement  Temperature measurement range for calibrated below -10 °C)  Accuracy  AC or 2 % (at 25 °C no minul, whichever is greater)  On-screen emissivity correction  On-screen emissivity correction  On-screen transmission correction  S: Ironbow, Blue-Red, High Contrast, Amber, Insterted, Hot Metal, Grayscale, Grayscale Inverted  S: Ironbow, Blue-Red, High Contrast, Amber, Insterted, Hot Metal, Grayscale, Grayscale Inverted  Text annotation  Yes  Core and the contract of the total contract
Text annotation         Year annotation           Video recording         Standard and and indervic           File formats video         Non-radiometric (MPEG - encoded AVI) and fully radiometric (1S3)           Remote control operation         Yes           Auto capture (temperature and interval)         Temperature and interval)           Battery         Batteries (field-replaceable, rechargeable)         Two lithium ion smart battery packs with five-segment LED display to show charge level           Battery life         Three hours continuous per partery pack           Battery charge time         2.5 hours to all charge           Battery charges time         A Coperation           AC operation         A Coperation with included power supply (100 V AC to 240 V AC, 50/60 Hz)           Temperature measurement           Temperature measurement range (not calibrated below -10 °C)         -20 °C to +1200 °C (-4 °F to +2192 °F)         -20 °C to +850 °C (-4 °F to +1562 °F)           Accuracy         -20 °C to +850 °C (-4 °F to +1562 °F)           On-screen enissivity correction         Yes (both vacure is greater)           On-screen reflected background temperature compensation         -20 °C to +850 °C (-4 °F to +1562 °F) <t< td=""></t<>
Standard and radiometric   File formats video   Non-radiometric (MPEG - encoded to the fully radiometric (1S3)   Remote control operation   Yes   - Auto capture (temperature and interval)   Two lithium ion smart battery packs with five-segment LED display to show charge level   Battery   Head   Two lithium ion smart battery packs with five-segment LED display to show charge level   Battery Large time   Two-bay battery charger or in-imager charging system   Two-bay battery pack
File formats video  Non-radiometric (MPEG - encoded - AVI) and fully radiometric (LIS3)  Remote control operation  Yes  Battery  Batteries (field-replaceable, rechargeable)  Battery Iffe  Battery under time  Battery charge time the bottlery pack  Battery charge time the bottlery pack  Battery charge time have been battery pack  Battery charge time to show charge level  Battery charge time have settlery pack  Battery charge time have settlery pack with five-segment LED display to show charge level  Battery charge time have settlery pack  Battery charge time have settlery pack with five-segment LED display to show charge level  Battery charge time the have settlery pack with five-segment LED display to show charge level  Battery charge time the have settlery pack with five-segment LED display to show charge level  Battery charge time the have settlery pack with five-segment LED display to show charge level  Battery charge the settlery pack with five-segment LED display to show charge level  Battery charge the settlery pack with five-segment LED display to show charge level  Battery charge the settlery pack with five-segment LED display to show charge the level  Battery charg
Remote control operation  Yes  Temperature and interval)  Pattery  Battery
Auto capture (temperature and interval)  Battery  Batteries (field-replaceable, rechargeable)  Battery life  Battery life  Battery charge time  Battery charge time  Battery charge time  Battery charge time  Battery charging system  Two-bay battery charger or in-imager charging. Optional 12 V automotive charging adapter  AC operation  AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)  Power saving  Battery thanks and the supplementation of the supplementat
Batteries (field-replaceable, rechargeable)  Batteries (field-replaceable, rechargeable)  Battery life  Three hours continuous use per battery pack  Battery charge time  2.5 hours to full charge  Battery charging system  Two-bay battery charger or in-imager charging. Optional 12 V automotive charging adapter  AC operation  AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)  Power saving  User selectable sleep and power off modes  Temperature measurement  Temperature measurement range (not calibrated below -10 °C)  Accuracy  2°C to +1200 °C (-4°F to +2192°F)  -20°C to +850°C (-4°F to +1562°F)  Accuracy  2°C or 2% (at 25°C nominal, whichever is greater)  On-screen emissivity correction  Yes (both value and table)  On-screen reflected background temperature compensation  On-screen transmission correction  Yes  Color palettes  Standard palettes  8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Batteries (field-replaceable, rechargeable)  Battery life  Three hours continuous use per battery pack  Battery charge time  2.5 hours to full charge  Battery charging system  Two-bay battery charger or in-imager charging. Optional 12 V automotive charging adapter  AC operation  AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)  Power saving  User selectable sleep and power off modes  Temperature measurement  Temperature measurement range (not calibrated below -10 °C)  Accuracy  \$\frac{20 \circ \text{to} + 1200 \circ \circ 4 \circ \text{F} \text{ to} + 2192 \circ \text{P}}{\text{c}}  \text{ at 25 \circ O nominal, whichever is greater}}  On-screen emissivity correction  Yes (both value and table)  On-screen transmission correction  Yes  Color palettes  St. Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
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AC operation AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)  Power saving User selectable sleep and power off modes  Temperature measurement  Temperature measurement range (not calibrated below -10 °C)  Accuracy
Power saving  Temperature measurement  Temperature measurement range (not calibrated below -10 °C)  Accuracy  -20 °C to +1200 °C (-4 °F to +2192 °F)  -20 °C to +850 °C (-4 °F to +1562 °F)  Accuracy  ± 2 °C or 2 % (at 25 °C nominal, whichever is greater)  On-screen emissivity correction  Yes (both value and table)  On-screen reflected background temperature compensation  On-screen transmission correction  Yes  Color palettes  Standard palettes  8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Temperature measurement range (not calibrated below -10 °C)  Accuracy  -20 °C to +1200 °C (-4 °F to +2192 °F)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  Accuracy  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C) (not calibrated below -10 °C)  -20 °C to +850 °C (-4 °F to +1562 °F) (not calibrated below -10 °C) (not calibrated below
Temperature measurement range (not calibrated below -10 °C)  Accuracy  \$\frac{\frac{1}{2} \cdot \text{C to } +1200 \cdot \text{C (-4 °F to } +2192 \cdot \text{F})}{\frac{1}{2} \cdot \text{C or 2 % (at 25 °C nominal, whichever is greater)}}\$  On-screen emissivity correction  Yes (both value and table)  On-screen reflected background temperature compensation  Yes  Color palettes  Standard palettes  8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
(not calibrated below -10 °C)  Accuracy  Dn-screen emissivity correction  Conscreen emissivity correction  Conscreen reflected background temperature compensation  Conscreen transmission correction  Yes  Color palettes  Standard palettes  8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
On-screen emissivity correction  On-screen reflected background temperature compensation  On-screen transmission correction  Yes  Color palettes  Standard palettes  8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
On-screen reflected background temperature compensation  On-screen transmission correction  Yes  Color palettes  Standard palettes  8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
compensation res On-screen transmission correction Yes  Color palettes Standard palettes 8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Color palettes  Standard palettes  8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Standard palettes 8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Ultra Contrast <sup>100</sup> palettes (8) Ironbow Ultra, Blue-Red Ultra, High Contrast Ultra, Amber Ultra, Amber Inverted Ultra, Hot Metal Ultra, Grayscale Ultra, Grayscale Inverted Ultra, Grayscale Ultra, Grayscale Inverted Ultra, High Contrast Ultra, Grayscale Ultra, Grayscale Ultra, Grayscale Inverted Ultra, Grayscale Ultra, Grayscale Ultra, Grayscale Inverted Ultr
General specifications
Color alarms (temperature alarms)  High-temperature
Infrared spectral band 7.5 µm to 14 µm (long wave)
Temperature Operating: -10 °C to +50 °C (14 °F to 122 °F); Storage: -20 °C to +50 °C (-4 °F to 122 °F) without batteries
Relative humidity 10 % to 95 % non-condensing
Center-point temperature measurement Yes
Spot temperature Hot and cold spot markers
User-definable spot markers 3 user-definable spot markers
Center box Expandable-contractible measurement box with MIN-MAX-AVG temp
Safety IEC 61010-1: Overvoltage Category II, Pollution degree 2
Electromagnetic compatibility IEC 61326-1: Basic EM Environment; CISPR11, Group 1, Class A
Australian RCM IE 61326-1
US FCC CFR 47, Part 15 Subpart B
US FCC         CFR 47, Part 15 Subpart B           Vibration         0.03 g2/Hz (3.8 grms), 2.5g IEC 68-2-6
US FCC CFR 47, Part 15 Subpart B  Vibration 0.03 g2/Hz (3.8 grms), 2.5g IEC 68-2-6  Shock/Drop 25 g, IEC 68-2-29/Engineered to withstand 1 meter (3.3 feet) drop with standard lens
US FCC         CFR 47, Part 15 Subpart B           Vibration         0.03 g2/Hz (3.8 grms), 2.5g IEC 68-2-6           Shock/Drop         25 g, IEC 68-2-29/Engineered to withstand 1 meter (3.3 feet) drop with standard lens           Size (H x W x L)/Weight (battery included)         27.3 cm x 15.9 cm x 9.7 cm (10.8 in x 6.3 in x 3.8 in)/1.54 kg (3.4 lb)
US FCC CFR 47, Part 15 Subpart B  Vibration 0.03 g2/Hz (3.8 grms), 2.5g IEC 68-2-6  Shock/Drop 25 g, IEC 68-2-9/Engineered to withstand 1 meter (3.3 feet) drop with standard lens  Size (H x W x L)/Weight (battery included) 27.3 cm x 15.9 cm x 9.7 cm (10.8 in x 6.3 in x 3.8 in)/1.54 kg (3.4 lb)  Enclosure rating IEC 60529: IP54 (protected against dust, limited ingress; protection against water spray from all directions)
US FCC         CFR 47, Part 15 Subpart B           Vibration         0.03 g2/Hz (3.8 grms), 2.5g IEC 68-2-6           Shock/Drop         25 g, IEC 68-2-29/Engineered to withstand 1 meter (3.3 feet) drop with standard lens           Size (H x W x L)/Weight (battery included)         27.3 cm x 15.9 cm x 9.7 cm (10.8 in x 6.3 in x 3.8 in)/1.54 kg (3.4 lb)

<sup>\*</sup>Bluetooth not available in all countries.



# **Ordering information**

FLK-TiX560 60Hz Thermal Imager; 320x240; 60 Hz FLK-TiX560 9Hz Thermal Imager; 320x240; 9 Hz FLK-TiX520 60Hz Thermal Imager; 320x240; 60 Hz FLK-TiX520 9Hz Thermal Imager; 320x240; 9 Hz

### Included with product

Thermal imager with standard infrared lens; ac power supply and battery pack charger (including universal ac adapters); two, rugged lithium ion smart battery packs; USB cable; HDMI video cable; rugged, hard carrying case, adjustable neck and hand strap, bluetooth headset (where available), warranty registration card and calibration certificate. Flash drive includes product manuals in English, Chinese, German, Portuguese, Spanish, French, Italian, Korean, and Japanese, Russian and Turkish and SmartView® software. (Software is also available via download at www.fluke.com/ smartviewdownload).

# **Optional accessories**

FLK-LENS/TELE2 Infrared Telephoto Lens (2X magnification) FLK-LENS/4XTELE2 Infrared Telephoto Lens (4X magnification) FLK-LENS/WIDE2 Infrared Wide Angle Lens FLK-LENS/25MAC2 25 Micron Macro Infrared Lens TI-CAR-CHARGER Car Charger **BOOK-ITP** Introduction to Thermography Principles Book FLK-TI-SBP4 Additional Smart Battery FLK-TI-SBC3 Additional Smart Battery Charger FLK-TIX5X-LENS CAP Infrared Lens Cover FLK-TIX5XX-NECK Neck strap FLUKE-TIX5XX HAND Hand strap FLK-TI-BLUETOOTH Bluetooth Headset FLK-TIX5XX-HDMI HDMI Cable



# See it. Save it. Share it. All the facts, right in the field.

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