## HANDHELD

# FLUKE®

Technicians and contractors who need quality images and feature rich affordability for quick scans and/or intermittent inspections.

#### Where used

- Electrical inspections
- HVAC/R inspections
- Mechanical

- Residential home inspections
- Light commercial maintenance
- Building diagnostics
- Building envelope
- Commercial/industrial facilities







	TiS60+	TiS20+	PTi120
Infrared resolution	320 x 240 (76,800 pixels)	120 x 90 (10	,800 pixels)
IFOV (spatial resolution)	1.86 mRad 7.6 mRad		ıRad
Field of view	34.1 °H x 25.6 °V	50° H x 38° V	
Distance to spot	532:1	130	0:1
Thermal sensitivity*	≤ 0.045 °C at 30 °C target temp (45 mK)  Target temp at or over 0 °C (60 mK)		over 0 °C (60 mK)
Temperature range	-20 °C to 400 °C (-4 °F to 752 °F)	-20 ° C to 150 ° C	(-4 °F to +302 °F)
Focus system	Fixed Focus		
level and span	Smooth auto and manual scaling	Smooth auto and manual scaling	_
Optional lenses			
Wireless connectivity**	Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN		
IR-Fusion*	Yes, 4 levels 0%, 25%, 50%, 75%, 100%	Continuous Touchscre	en IR-Fusion 0-100%
Display	3.5 inch (8.9 cm landscape) 320 x 240 LCD		
Design	Pistol-grip design for one-handed use		Pocket sized, one-handed use
Frame rate	< 9 Hz or 30 Hz		Iz
Software	Full analysis and reporting software with access to Fluke Connect Desktop		
Voice annotation	60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)	_	
Text annotation	Yes. Including standard shortcuts as well as user programmable options		well as user programmable options
Video recording	-	_	
Battery life	4 hours continuous use per battery pack (without WiFi)	≥ 5 hours continuous (without WiFi)	≥ 2 hours continuous (without WiFi)
Remote control operation	_		
Alarms	High temperature, low temperature, isotherms (within range)		
Warranty	2 year warranty		
Asset tagging	- Automatically organize and file		rmal images by scanning QR codes

\*Best possible

\*\*Fluke Connect™ not available in all countries.

## HANDHELD

# FLUKE®

Professional in-house, service, and contract thermographers as well as maintenance personnel who need quality images and advanced features and specifications for use in multiple applications.

#### Where used

- Industrial maintenance
- Heavy commercial facility maintenance
- Oil and gas maintenance
- Veterinary

- Reliability inspections (PdM)
- Heavy building diagnosticsBuilding envelope
- Construction defects
- Electrical, water, gas utilities
- Chemical processing
- Machinery, instrumentation and appliances







	Ti480 PRO	Ti401 PRO	Ti300+
Infrared resolution	640 x 480 (307,200 pixels)	640 x 480 (307,200 pixels)	320 x 240 (76,800 pixels)
Super resolution	Yes, in software. Captures and combines 4x the data to create a 1280 x 960 image	T .	īo
IFOV (spatial resolution)	0.9	3 mRad	1.86 mRad
Field of view		34° H x 24° V	
Distance to spot	10	065:1	532:1
Thermal sensitivity*	$\leq$ 0.05 °C at 30 °C target temp (50 mK)	≤ 0.075 °C at 30 °C	target temp (75 mK)
Temperature range	-10 °C to +1,000 °C (-4 °F to +1,832 °F)	-20 °C to +650 °C	(-4 °F to +1,202 °F)
MultiSharp™ Focus	Yes	The state of the s	To Control of the Con
LaserSharp™ Auto Focus	LaserSharp™ Auto Focus for consistently in-focus images		
Manual focus	Yes		
Laser distance meter	Yes, calculates distance to the target for precisely focused images and displays distance on screen		
Optional lenses	Pre-calibrated smart optional lenses: wide angle, 2x and 4x telephoto, macro-25 micron		
Wireless connectivity**	Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN		
IR-Fusion®	Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image		
Display	3.5 inch touchscreen LCD, 640 x 480 pixel resolution		
Design	Pistol-grip design for one-handed use		
Frame rate	60 Hz or 9 Hz versions		
Software	Full analysis and reporting software with access to Fluke Connect Desktop		
Voice annotation	60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required		
Text annotation	Yes. Including standard shortcuts as well as user programmable options		
Video recording	Standard and radiometric –		
Streaming video (remote display)	Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect Desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor		
Remote control operation	Yes, through Fluke Connect™ mobile app		
Alarms	High temperature, low temperature, and isotherms (within range)		

\*Best possible

Warranty

\*\*Fluke Connect™ not available in all countries.

## **ARTICULATING**



Engineers, R&D professionals and advanced thermographers who require premium image quality and an unsurpassed level of detail in every infrared image.

#### Where used

- Industrial maintenance
- Oil and gas predictive maintenance
- Power generation/transmission
- Research and development
- ElectricalMechanical
- Sciences

- Quality control
- Plus the industries included under the handheld series









	TiX1000	TiX620	TiX580	TiX501
Detector resolution	1024 x 768 (786,432 pixels) SuperResolution mode: 2048 x 1536 (3,145,728 pixels)	640 x 480 (307,200 pixels) SuperResolu	ion mode: 1280 x 960 (1,228,800 pixels)	640 x 480 (307,200 pixels)
IFOV (spatial resolution)	0.57 mRad	0.85 mRad	0.93 mRad	
Field of view	32.4° H x 24.7° V	32.7° H x 24.0° V	34 °Н х	24 °V
Distance to spot	1765:1 1065:1		1065:1	
Thermal sensitivity*	≤ 0.05 °C at 30 °C target temp (50 mK)	$\leq$ 0.04 °C at 30 °C target temp (40 mK)	$\leq$ 0.05 °C at 30 °C target temp (50 mK)	≤ 0.075 °C at 30 °C target temp (75 mK)
Temperature range	-40 °C to +1,200 °C (-40 °F to +2,192 °F) High temperature option—request at time of order: up to 2000 °C (3,632 °F)	-40 °C to +600 °C (-40 °F to +1112 °F)	-20 °C to +1,000 °C (-4 °F to +1,832 °F)	-20 °C to +650 °C (-4 °F to +1,202 °F)
Focus systems	LaserSharp™ Auto Focus, auto focus, manual focus, and EverSharp multifocal recording		MultiSharp™ Focus, LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus	LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus
Laser distance meter	Yes, Accuracy: Ł} 1.5 mm, Range: 70 m (76.5 ft.), Wavelength: 635 nm (red), Laser class: 2		Yes, calculates distance to the target for precisely focused images and displays distance on screen	
Optional lenses	2 wide angle, 2 telephoto, 3 macro and 1 standard	1 wide angle and 1 telephoto	Pre-calibrated smart optional lenses: wide angle, 2x and 4x telephoto, macro-25 micron lens	
Wireless connectivity**	_		Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN	
IR-Fusion®	Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image			
Display	5.6 inch color TFT display, 1,280 x 800 pixel resolution, suitable for daylight operation		5.7 inch touchscreen LCD, 640 x 480 pixel resolution	
Design	Camcorder with handle, Tiltable LCoS color viewfinder display, $800 \times 600$ pixel resolution		240° rotating (articulating) lens	
Frame rate	30 Hz or 9 Hz versions	30 Hz version	60 Hz or 9 Hz versions	
<b>Subwindowing modes available</b> (add-on at time of order—subwindowing options are not available on 9 Hz models)	Option 1: 640 × 480 (60 fps) Option 2: 384 × 288 (120 fps) Option 3: 1024 × 96 (240 fps)	384 × 288 (60 fps)	_	
Software	Full analysis and reporting software with access to Fluke Connect Desktop			
Voice annotation	60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required			
Text annotation	Yes. Including standard shortcuts as well as user programmable options			
Video recording	Standard and radiometric Standard		Standard	
Streaming video (remote display)	Via HDMI; GigE Ethernet available in Fluke Connect Desktop software		Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect Desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor	
Remote control operation	Yes Remote display and control operation through Fluke Connect Remote display through Fluke Connect		Remote display through Fluke Connect	
Alarms	High temperature, low temperature, and isotherms (within range)			

\*Best possible

Warranty

\*\*Fluke Connect™ not available in all countries.

Two-years (standard), extended warranties are available

### **MOUNTED**

R&D professionals, scientists and engineers who require a mounted infrared camera to continuously stream, measure and analyze data

#### Where used

- Research and development
- Electrical
- Mechanical
- Biology/sciences
- Quality control
   Pre- and post- production testing





	RSE600	RSE300
Infrared resolution	640 x 480 (307,200 pixels)	320 x 240 (76,800 pixels)
IFOV (spatial resolution)	0.93 mRad	1.85 mRad
Field of view	34° H x	25.5° V
Thermal sensitivity*	≤ 0.040 °C at 30 °C target temp (40 mK)*	$\leq$ 0.030 °C at 30 °C target temp (30 mK)*
Temperature range	-10 °C to +1200 °C	(14 °F to +2192 °F)
Focus systems	Focus is adjusted in Fluke Connect Desl	xtop software (manual or MultiSharp™)
Laser distance meter	-	-
Optional lenses	Pre-calibrated smart lenses: wide an	gle, 2x telephoto, 4x telephoto, macro
Wireless connectivity**	-	-
IR-Fusion*	Yes, in Fluke Connect Desktop software. Five Picture-in-Picture (PIP), IR/Visible alarm, Full IR, Fu to your infra	ll visible light) add the context of the visible details
Display	-	-
Design	Can be mounted to a stand or wall br	racket for continuous data streaming
Frame rate	60 Hz or 9 I	Hz versions
Software	Fluke Connect Desktop software—fo Compatible with MATLAB	
Voice annotation	Yes, in Fluke Connec	ct Desktop software
Text annotation	Yes, in Fluke Connec	ct Desktop software
Video recording	Radiometric, in Fluke Connect Desktop software, v	with exports to standard non-radiometric formats
Streaming video (remote display)	Yes, see the live stream of the camera on your PC, or WiFi network to Fluke Connect Desktop software	
Remote control operation	Yes, through ethernet or Fluk	e Connect Desktop software
Alarms	Yes, in Fluke Connect Desktop software–high (within	
Warranty	Two years (standard), extend	led warranties are available

#### \*Best possible

### **GAS DETECTION**



Two-in-one tool capability for professional in-house, contract and service thermographers who need quality infrared images plus the added benefit of  $SF_{\epsilon}$  gas detection

#### Where used

- SF<sub>6</sub> gas detection
- Electrical Utilities
- Substation Maintenance
- Industrial maintenance
- Heavy commercial facility maintenance
- Oil and gas maintenance
- Reliability inspections (PdM)
- Heavy building diagnostics
- Building envelope
- Construction defects



IFOV (spatial resolution)  1.31 mRad  24° H x 17° V  Distance to spot  753:1  Thermal sensitivity¹  ≤ 0.025 °C at 30 °C target temp (25 mK)  Temperature measurement range  -20 °C to +1200 °C [-4° °F to +2192 °F]  MultiSharp™ Pocus, LaserSharp™ Auto Pocus with built-in laser distance meter and advanced manual focus  Laser distance meter  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Prilke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPoda® [iOS 4s and later], Android™ 4.3 and up, and WiFl to LAN  Five modes of image blending [AutoBlend™ mode, Picture-in-Picture [PPP], IR/ Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Design  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Software  Full analysis and reporting software with access to Fluke Connect Desktop  Voice annotation  Fest annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via IDSB, WiFi hotspot, or WiFi network for Plike Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	• Electrical, water, gas utilities	
IFOV (spatial resolution)  1.31 mRad  24° H x 17° V  Distance to spot  753:1  Thermal sensitivity*  ≤ 0.025 °C at 30 °C target temp (25 mK)  Temperature measurement range  -20 °C to +1200 °C (-4 °F to +2192 °F)  MultiSharp™ Focus, LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus  Laser distance meter  Yes  Optional lenses  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to Pc. Phone® and Flued® (50 st and later), Android™ 4.3 and up, and WiF1 to LAN  Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/ Visible alarm, Pull IR, Full visible light) add the context of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Software  Full analysis and reporting software with access to Fluke Connect Desktop  Voice annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV connector of the properties of		Ti450 SF6
Pield of view  Distance to spot  Toshill Stance to spot  Thermal sensitivity*  ≥ 0.025 °C at 30 °C target temp (25 mK)  Temperature measurement range  -20 °C to +1200 °C (-4 °F to +2192 °F)  MultiSharp™ Focus, LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus  Yes  Optional lenses  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® [tOS 4s and later], Android™ 4.3 and up, and WiF1 to LAN  Five modes of image blending [AutoBlend™ mode, Picture-in-Picture [PP], IR/ Visible alarm, Full IR, Full visible light] add the cutset of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Software  Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Pluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Yes, through Fluke Connect™ mobile app1  High temperature, low temperature, and isotherms (within range)	Infrared resolution	
Thermal sensitivity*  ≤ 0.025 °C at 30 °C target temp (25 mK)  Temperature measurement range  -20 °C to +1200 °C (-4 °F to +2192 °F)  MultiSharp™ Focus, LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus  Laser distance meter  Yes  Optional lenses  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® [iOS 4s and later], Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending [AutoBlena™ mode, Picture-in- Picture [PP], IR/ Visible alarm, Full IR, Full visible light] add the cutset of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Software  Full analysis and reporting software with access to Fluke Connect Desktop  Voice annotation  Fext annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	IFOV (spatial resolution)	1.31 mRad
Thermal sensitivity*  ≤ 0.025 °C at 30 °C target temp (25 mK)  Temperature measurement range  -20 °C to +1200 °C (-4 °F to +2192 °F)  MultiSharp™ Focus, LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus  Laser distance meter  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® [iOS 4s and later], Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/ Visible alarm, Full IR, Full visible lightl add the context of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Software  Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect mobile app1  High temperature, low temperature, and isotherms (within range)	Field of view	24° H x 17° V
Temperature measurement range  -20 °C to +1200 °C (-4 °F to +2192 °F)  MultiSharp™ Focus, LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus  Yes  Optional lenses  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/Visible alarm, Full IR, Full visible light) at the context of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Full analysis and reporting software with access to Fluke Connect Desktop  Voice annotation  Fest annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	Distance to spot	753:1
MultiSharp™ Focus, LaserSharp™ Auto Focus with built-in laser distance meter and advanced manual focus  Yes  Optional lenses  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending [AutoBlend™ mode, Picture-in- Picture [PIP], IR/ Visible alarm, Full IR, Full visible light add the context of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Full analysis and reporting software with access to Fluke Connect Desktop  40 Seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect™ mobile appl  High temperature, low temperature, and isotherms (within range)	Thermal sensitivity*	≤ 0.025 °C at 30 °C target temp (25 mK)
Alams  And advanced manual focus  Yes  Yes  Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/  Visible alarm, Full IR, Full visible light add the context of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Full analysis and reporting software with access to Fluke Connect Desktop  40 Seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect™ ware on a PC; via WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot, or WiFi network to Fluke Connect Mayer on a smartphone; or via HDMI to a TV monitor  Yes, through Fluke Connect™ mobile appl  High temperature, low temperature, and isotherms (within range)	Temperature measurement range	-20 °C to +1200 °C (-4 °F to +2192 °F)
Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto  Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/  Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Software  Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	Focus system	
Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later). Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/ Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image  Display  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Software  Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	Laser distance meter	Yes
iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN  Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/ Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image  3.5 inch touchscreen LCD, 640 x 480 pixel resolution  Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Yes, through Fluke Connect™ mobile app1  High temperature, low temperature, and isotherms (within range)	Optional lenses	Pre-calibrated smart lenses: wide angle, 2x and 4x telephoto
IR-Fusion*       Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image         Display       3.5 inch touchscreen LCD, 640 x 480 pixel resolution         Design       Rugged, ergonomic design for one-handed use         Frame rate       60 Hz or 9 Hz versions         Software       Full analysis and reporting software with access to Fluke Connect Desktop         Voice annotation       60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required         Video recording       Standard and radiometric         Video recording       Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect app on a smartphone; or via HDMI to a TV monitor         Remote control operation       Yes, through Fluke Connect mobile app1         High temperature, low temperature, and isotherms (within range)	Wireless connectivity**	Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN
Rugged, ergonomic design for one-handed use  Frame rate  60 Hz or 9 Hz versions  Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor.  Remote control operation  High temperature, low temperature, and isotherms (within range)	IR-Fusion*	Visible alarm, Full IR, Full visible light) add the context of the visible details to
Frame rate  60 Hz or 9 Hz versions  Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect mapp on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	Display	3.5 inch touchscreen LCD, 640 x 480 pixel resolution
Full analysis and reporting software with access to Fluke Connect Desktop  60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	Design	Rugged, ergonomic design for one-handed use
Voice annotation       60 seconds maximum recording time per image, reviewable playback on camera; Bluetooth headset optional, but not required         Text annotation       Yes         Video recording       Standard and radiometric         Streaming video (remote display)       Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor         Remote control operation       Yes, through Fluke Connect™ mobile app1         Alarms       High temperature, low temperature, and isotherms (within range)	Frame rate	60 Hz or 9 Hz versions
Text annotation  Yes  Video recording  Standard and radiometric  Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  High temperature, low temperature, and isotherms (within range)	Software	Full analysis and reporting software with access to Fluke Connect Desktop
Video recording       Standard and radiometric         Streaming video (remote display)       Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor         Remote control operation       Yes, through Fluke Connect™ mobile app1         Alarms       High temperature, low temperature, and isotherms (within range)	Voice annotation	
Yes, see the live stream of the camera display on your PC, smartphone, or TV monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  **Remote control operation**  **High temperature, low temperature, and isotherms (within range)**	Text annotation	Yes
monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or via HDMI to a TV monitor  Remote control operation  Yes, through Fluke Connect™ mobile app1  High temperature, low temperature, and isotherms (within range)	Video recording	Standard and radiometric
Alarms High temperature, low temperature, and isotherms (within range)	Streaming video (remote display)	monitor. Via USB, WiFi hotspot, or WiFi network to Fluke Connect desktop software on a PC; via WiFi hotspot to the Fluke Connect™ app on a smartphone; or
ingir tompotatato, and isotatorino (vitalin rango)	Remote control operation	Yes, through Fluke Connect™ mobile app1
Warranty Two-years (standard), extended warranties are available	Alarms	High temperature, low temperature, and isotherms (within range)
	Warranty	Two-years (standard), extended warranties are available

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<sup>\*\*</sup>Fluke Connect™ not available in all countries.