

Key Features	
IFOV (spatial resolution)	3.9 mRad
Detector resolution	160x120
Field of view	35.7 ° x 26.8 °
Distance to spot	257:1
Wireless connectivity	Yes
Fluke Connect® app compatible	Yes (where available)
IR-Fusion® Technology	
AutoBlend™ mode	5 presets (0%, 25%, 50%, 75%, 100%)
Picture-In-Picture (PIP)	5 presets (0%, 25%, 50%, 75%, 100%)
Focus system	Manual focus, Minimum focus distance, 0.15 m (6 in)
Ruggedized display	3.5 inch (landscape) 320x240 LCD
Rugged, ergonomic design for one-handed use	Yes
Thermal sensitivity (NETD)	≤0.09 °C at 30 °C target temp (90 mK)
Temperature measurement range (not calibrated below -10 °C)	-20 °C to +350 °C (-4 °F to 662 °F)
Level and span	Smooth auto and manual scaling
Fast auto toggle between manual and auto modes	Yes
Fast auto-rescale in manual mode	Yes
Minimum span (manual mode)	2.5 °C
Minimum span (auto mode)	5 °C
Built-in digital camera (visible light)	5 MP
Frame rate	9 Hz or 30 Hz
Laser pointer	-
Data storage and Image Capture	
Extensive SD memory system	Internal 4 GB memory and 4 GB removable micro SD card
Image capture, review, save mechanism	One-handed image capture, review, and save capability
Image file formats	Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2); No analysis software required for non-radiometric (.bmp, .jpg) files
Instant Upload	Instantly upload captured images to Fluke Connect server with the use of a WiFi connection
Memory review	Thumbnail review
Software	SmartView® software - full analysis and reporting software and Fluke Connect® (where available)
Export file formats with SmartView® software	BMP, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and TIFF
Voice annotation	-
IR-PhotoNotes™	-

Standard video recording	-
Radiometric video recording	-
Video file formats	-
Streaming video (remote display)	-
Battery	
Batteries (field-replaceable, rechargeable)	One lithium ion smart battery pack with five-segment LED display to show charge level
Battery life	Four+ hours
Battery charge time	2.5 hours to full charge
Battery charging system	In-imager charging (optional external charger sold separately)
AC operation	AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)
Temperature Measurement	
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	Yes
On-screen transmission correction	Yes
Color Palettes	
Standard palettes	7: Ironbow, Blue-Red, High-Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Ultra Contrast™ palettes	-
General Specifications	
Color alarms (temperature alarms)	High temperature, low temperature
Infrared spectral band	7.5 µm to 14 µm
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Storage temperature	-20 °C to +50 °C (-4 °F to 122 °F)
Relative humidity	10% to 95%, non-condensing
Center-point temperature measurement	-
Spot temperature	Yes
User-definable spot markers	1
Center box	-
Safety standards	EN 61010-1: CAT none, pollution degree 2, EN 60825-1: Class 2, EN 60529, EN 62133 (lithium battery)
Electromagnetic compatibility	EN 61326-1:2006, EN 55011: Class A, EN 61000-4-2, EN 61000-4-3
C Tick	IEC/EN 61326-1
US FCC	EN61326-1; FCC Part 5, EN 55011: Class A, EN 61000-4-2, EN 61000-4-3
Vibration and shock	2G, IEC 68-2-6 and 25G, IEC 68-2-29
Drop	Engineered to withstand 2 m (6.5 ft) drop

Size (H x W x L)	26.7 x 10.1 x 14.5 cm (10.5 x 4.0 x 5.7 in)
Weight (battery included)	Fixed focus .72 kg (1.6 lb), Manual focus .77 kg (1.7 lb)
Enclosure rating	IP54 (protected against dust, limited ingress; protection against water spray from all directions)
Warranty	Two-years (standard), extended warranties are available
Recommended calibration cycle	Two-years (assumes normal operation and normal aging)
Supported languages	Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and Turkish

