

<b>Key Features</b>	
<b>IFOV (spatial resolution)</b>	5.2 mRad
<b>Detector resolution</b>	120x90
<b>Field of view</b>	35.7 ° x 26.8 °
<b>Distance to spot</b>	193:1
<b>Wireless connectivity</b>	Yes
<b>Fluke Connect® app compatible</b>	Yes (where available)
<b>IR-Fusion® Technology</b>	
<b>AutoBlend™ mode</b>	3 presets (0%, 50%, 100%)
<b>Picture-In-Picture (PIP)</b>	-
<b>Focus system</b>	Fixed focus, Minimum focus distance 0.45 m (1.5 ft)
<b>Ruggedized display</b>	3.5 inch (landscape) 320x240 LCD
<b>Rugged, ergonomic design for one-handed use</b>	Yes
<b>Thermal sensitivity (NETD)</b>	≤0.10 °C at 30 °C target temp (100 mK)
<b>Temperature measurement range (not calibrated below -10 °C)</b>	-20 °C to +350 °C (-4 °F to 662 °F)
<b>Level and span</b>	Smooth auto and manual scaling
<b>Fast auto toggle between manual and auto modes</b>	Yes
<b>Fast auto-rescale in manual mode</b>	Yes
<b>Minimum span (manual mode)</b>	2.5 °C
<b>Minimum span (auto mode)</b>	5 °C
<b>Built-in digital camera (visible light)</b>	5 MP
<b>Frame rate</b>	9 Hz
<b>Laser pointer</b>	-
<b>Data storage and Image Capture</b>	
<b>Extensive SD memory system</b>	Internal 4 GB (optional 4 GB micro SD card sold separately)
<b>Image capture, review, save mechanism</b>	One-handed image capture, review, and save capability
<b>Image file formats</b>	Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2); No analysis software required for non-radiometric (.bmp, .jpg) files
<b>Instant Upload</b>	Instantly upload captured images to Fluke Connect server with the use of a WiFi connection
<b>Memory review</b>	Thumbnail review
<b>Software</b>	SmartView® software - full analysis and reporting software and Fluke Connect® (where available)
<b>Export file formats with SmartView® software</b>	BMP, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and TIFF
<b>Voice annotation</b>	-
<b>IR-PhotoNotes™</b>	-

<b>Standard video recording</b>	-
<b>Radiometric video recording</b>	-
<b>Video file formats</b>	-
<b>Streaming video (remote display)</b>	-
<b>Battery</b>	
<b>Batteries (field-replaceable, rechargeable)</b>	One lithium ion smart battery pack with five-segment LED display to show charge level
<b>Battery life</b>	Four+ hours
<b>Battery charge time</b>	2.5 hours to full charge
<b>Battery charging system</b>	In-imager charging (optional external charger sold separately)
<b>AC operation</b>	AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)
<b>Temperature Measurement</b>	
<b>Accuracy</b>	±2 °C or 2% (at 25 °C nominal, whichever is greater)
<b>On-screen emissivity correction</b>	Yes (both value and table)
<b>On-screen reflected background temperature compensation</b>	Yes
<b>On-screen transmission correction</b>	Yes
<b>Color Palettes</b>	
<b>Standard palettes</b>	6: Ironbow, Blue-Red, High-Contrast, Amber, Hot Metal, Grayscale
<b>Ultra Contrast™ palettes</b>	-
<b>General Specifications</b>	
<b>Color alarms (temperature alarms)</b>	-
<b>Infrared spectral band</b>	7.5 µm to 14 µm
<b>Operating temperature</b>	-10 °C to +50 °C (14 °F to 122 °F)
<b>Storage temperature</b>	-20 °C to +50 °C (-4 °F to 122 °F)
<b>Relative humidity</b>	10% to 95%, non-condensing
<b>Center-point temperature measurement</b>	-
<b>Spot temperature</b>	Yes
<b>User-definable spot markers</b>	-
<b>Center box</b>	-
<b>Safety standards</b>	EN 61010-1: CAT none, pollution degree 2, EN 60825-1: Class 2, EN 60529, EN 62133 (lithium battery)
<b>Electromagnetic compatibility</b>	EN 61326-1:2006, EN 55011: Class A, EN 61000-4-2, EN 61000-4-3
<b>C Tick</b>	IEC/EN 61326-1
<b>US FCC</b>	EN61326-1; FCC Part 5, EN 55011: Class A, EN 61000-4-2, EN 61000-4-3
<b>Vibration and shock</b>	2G, IEC 68-2-6 and 25G, IEC 68-2-29
<b>Drop</b>	Engineered to withstand 2 m (6.5 ft) drop
<b>Size (H x W x L)</b>	26.7 x 10.1 x 14.5 cm (10.5 x 4.0 x 5.7 in)

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

