

Detailed Specifications	
<b>Key Features</b>	
IFOV (spatial resolution)	2.09 mRad
Detector resolution	200x150 (30,000 pixels)
Field of view	24 °H x 17 °V
Minimum focus distance	15 cm (approx. 6 in)
Optional lenses	Telephoto lens, wide angle lens
Focus system	LaserSharp® Auto Focus for consistently in-focus images, manual focus
Laser distance meter	Yes
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 <sup>1</sup>
IR-Fusion® technology	IR-Fusion® AutoBlend™ mode and Picture-in-Picture
Display	Touchscreen capacitive 3.5 inch diagonal landscape color VGA (640 x 480) LCD with backlight
Design	Rugged, ergonomic design for one-handed use
Thermal sensitivity (NETD)	≤ 0.075 °C at 30 °C target temp (75 mK)
Temperature measurement range	-20 °C to +650 °C (-4 °F to +1202 °F)
Built-in digital camera (visible light)	5 megapixel industrial performance
Frame rate	60 Hz or 9 Hz versions
<b>Data Storage and Image Capture</b>	
Extensive memory options	Removable micro SD memory card, on-board flash memory, save-to-USB capability, direct download via USB-to-PC connection
File formats image	Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2) No analysis software required for non-radiometric (.bmp, .jpg and .avi) files
SmartView® software	SmartView® software, Fluke Connect® <sup>1</sup> , and SmartView® Mobile App—full analysis and reporting software
Voice annotation	60 seconds maximum recording time per image; reviewable playback on camera
IR-PhotoNotes™	Yes
Video recording	Standard and radiometric
Streaming video (remote display)	Via USB or WiFi hot spot to PC or via HDMI to HDMI compatible screen
Auto capture (temperature and interval)	Yes
<b>Battery</b>	
Batteries (field-replaceable, rechargeable)	Two lithium ion smart battery packs with five-segment LED display to show charge level
AC battery charging system	Two-bay battery charger or in imager charging. Optional 12 V automotive charging adapter
<b>Temperature Measurement</b>	
Accuracy	± 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>General Specifications</b>	
<b>Color palettes</b>	8 standard and 8 Ultra Contrast™: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
<b>Color alarms (temperature alarms)</b>	High-temperature, low-temperature, and isotherm
<b>Spot temp</b>	Hot and cold spot markers
<b>User-definable spot markers</b>	3 user definable spot markers on camera and in SmartView® software
<b>Center box</b>	Expandable-contractible measurement box with MIN-MAX-AVG temp
<b>Drop</b>	Engineered to withstand 2 meter (6.5 feet) drop with standard lens
<b>Size (H x W x L)</b>	27.7 cm x 12.2 cm x 16.7 cm (10.9 in x 4.8 in x 6.5 in)
<b>Weight (battery included)</b>	1.04 Kg (2.3 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

