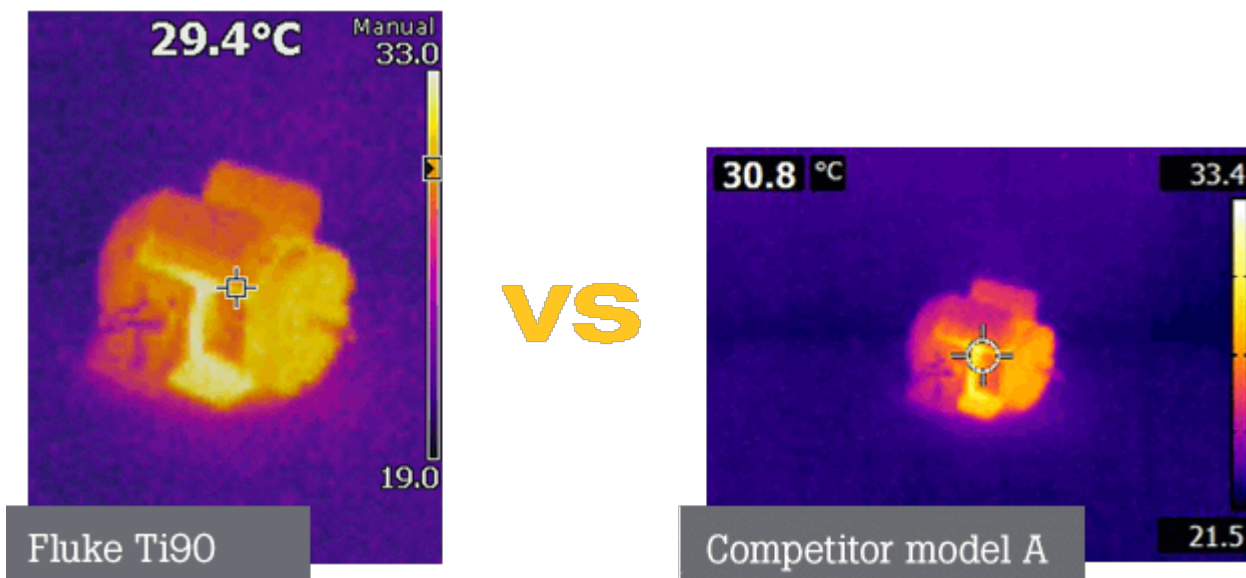# Fluke Ti90 Infrared Camera

Key features

- The only wireless industrial infrared camera in its price class[1] – take advantage of the benefits of Fluke Connect® by seamlessly gathering and sharing inspection results instantly
- Superior image quality, up to 84% better spatial resolution than other competitive models in this price class[1]
- 80 x 60 resolution
- Removable 4 GB SD memory card
- 8 GB Fluke Connect® wireless SD Card
- Get context for the infrared image by switching to the full visible (IR-Fusion® AutoBlend™ mode and Picture-in-Picture available in SmartView® software)
- 2 megapixel built-in digital camera
- 3.5 in LCD
- Smart Battery System - Lithium ion smart battery pack with five-segment LED display to show charge level
- Rugged, lightweight, point–and–shoot infrared camera

[1] Class is defined as an industrial handheld infrared camerain the same price range based on MSRP as of May 1, 2014.

Product overview: Fluke Ti90 Infrared Camera

BETTER detail, BIGGEST display, BEST VALUE in their class[1]

Images were captured under the same conditions and from the same distance of 1.2 m (4 ft) by a professional thermographer and exported in a JPEG format. Except for the captions in the lower, left-hand corner of each image, images are displayed as saved by each infrared camera.

Features rich affordability at your fingertips with DIFFERENCES YOU CAN SEE.
- See more detail with 84% better spatial resolution[1] – increases the detail in your inspection target
- Easier to see potential problems with a 32% larger display[1]

Prevent unexpected loss of power with pop in/pop out replaceable smart batteries with handy LED charge level indicator.

Easy image transfer and more flexibility with replaceable 12 GB of memory capacity (8 GB Fluke Connect® wireless card and 4 GB memory card).

Fluke Connect® compatible - save and share measurements faster and easier from the field[2].

[1]Compared to industrial handheld infrared cameras with list prices up to $2,000.00 (USD) as of September 17, 2014.
[2]Within provider's wireless service area.

Specifications: Fluke Ti90 Infrared Camera

Key Features	
IFOV (spatial resolution)	5.6 mRad
Detector resolution	80x60 (4,800 pixels)
Field of view	19.5 °H x 26 °V
Minimum focus distance	46 cm (18 in)
Focus system	Focus free (fixed focus)
Wireless connectivity	Fluke Connect™ app compatible with included wireless SD Card[1]
IR-Fusion® technology	Only full visible on camera (IR-Fusion® AutoBlend™ mode available in SmartView® software)
Display	3.5 inch diagonal (poait format)
Design	Rugged, lightweight, ergonomic design for one-handed use

https://fluke.com.au/en-us/product/thermal-cameras/ti90

Thermal sensitivity (NETD)	0.15 °C at 30 °C target temp (150 mK)
Temperature measurement range	-20 °C to +250 °C (-4 °F to +482 °F)
Built-in digital camera (visible light)	2 megapixel industrial performance
Frame rate	9 Hz
Data Storage and Image Capture	
Extensive memory options	Removable 4 Gb SD memory card and 8 Gb wireless SD card (where available); 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) files
SmartView® software	SmartView® software, Fluke Connect™[1], and SmartView® Mobile App—full analysis and reporting software
Baery	
Baeries (field-replaceable, rechargeable)	One lithium ion smart baery pack with five-segment LED display to show charge level
AC baery charging system	In-imager charging. Optional two-bay baery charger or optional 12 V automotive charging adapter
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
General Specifications	
Color palees	3 standard: Ironbow, Blue-Red, Grayscale
Drop	Engineered to withstand 2 meter (6.5 feet) drop
Size (H x W x L)	28.4 cm x 8.6 cm x 13.5 cm (11.2 in x 3.4 in x 5.3 in)
Weight (baery included)	0.73 kg (1.6 lb)
Enclosure rating	IP54 (protected against dust, limited ingress; protection against water spray from all directions)
Warranty	Two-years (standard), extended warranties are available
Notes	
[1]Fluke Connect™ not available in all couies	

Preventive maintenance simplified. Rework eliminated.

Save time and improve the reliability of your maintenance data by wirelessly syncing measurements using the Fluke Connect® system.

- Eliminate data-entry errors by saving measurements directly from the tool and associating them with the work order, report or asset record.
- Maximize uptime and make confident maintenance decisions with data you can trust and trace.
- Access baseline, historical and current measurements by asset.
- Move away from clipboards, notebooks and multiple spreadsheets with a wireless one-step measurement transfer.
- Share your measurement data using ShareLive™ video calls and emails.

Find out more at **flukeconnect.com**

All trademarks are the property of their respective owners. WiFi or cellular service required to share data. Smartphone, wireless service and data plan not included with purchase. First 5 GB of storage is free. Phone support details can be viewed at **fluke.com/phones**.

Smart phone wireless service and data plan not included with purchase. Fluke Connect is not available in all countries.