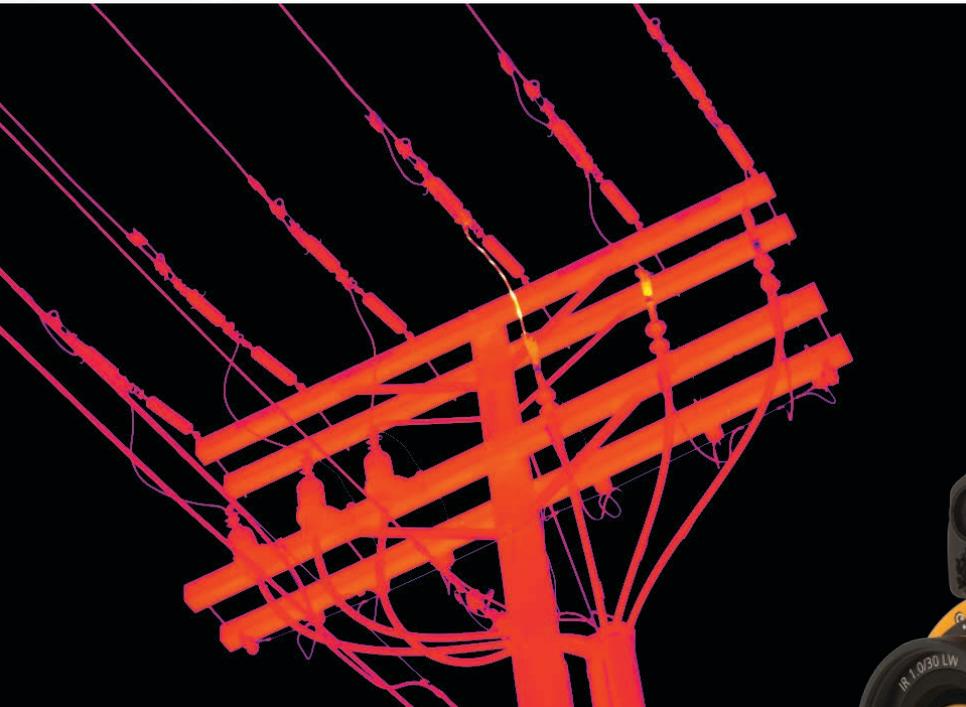
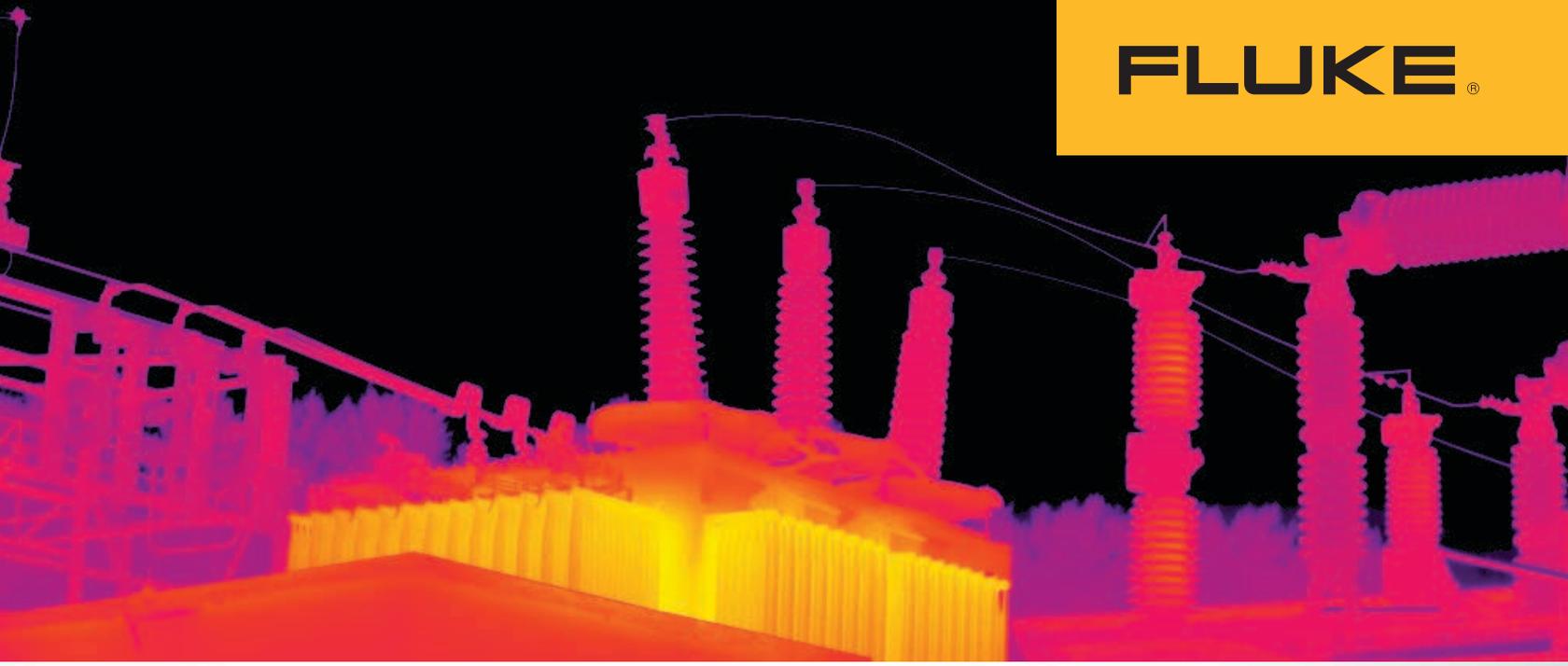


FLUKE®

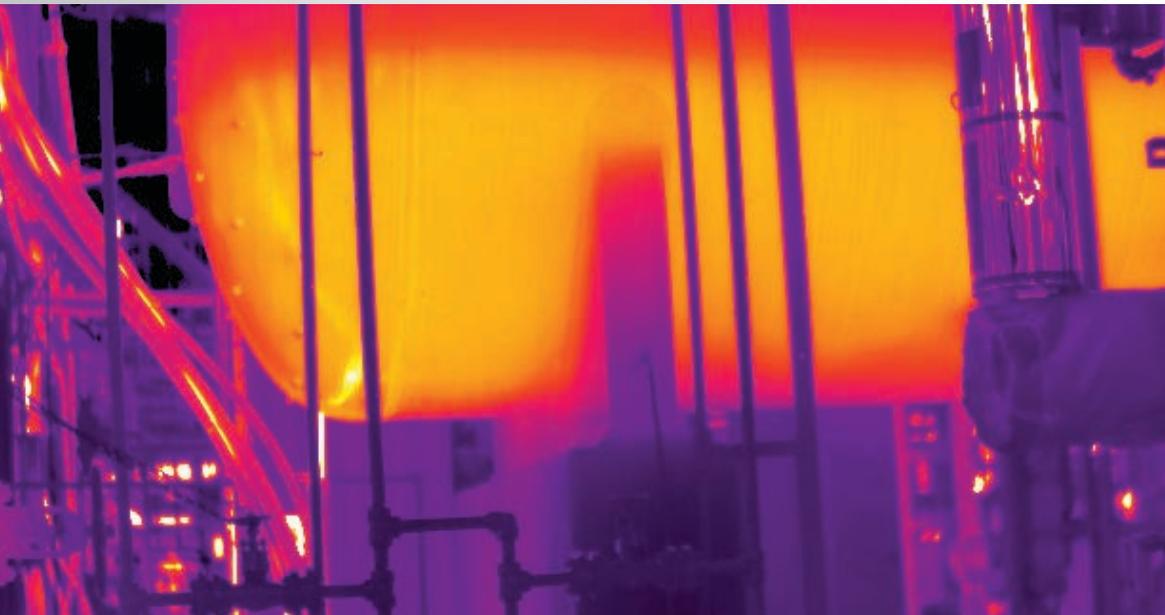
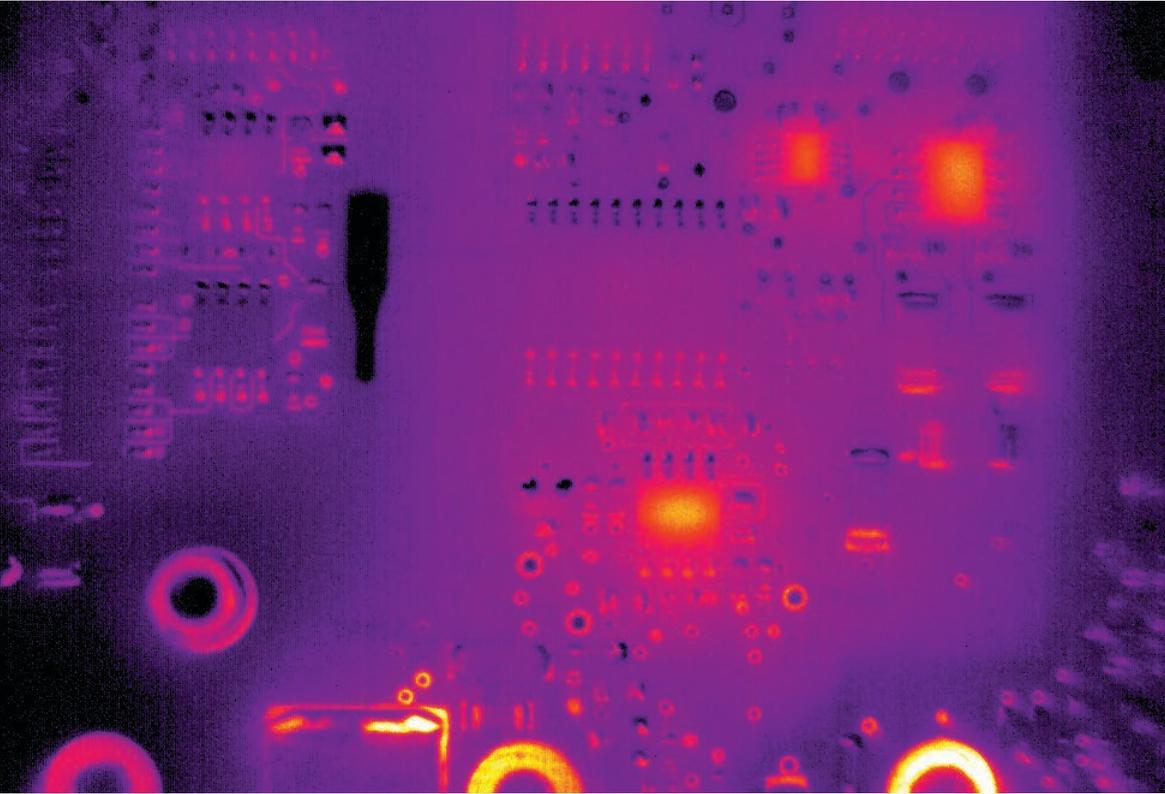


HD Infrared with SuperResolution

It's time to see what you're missing.

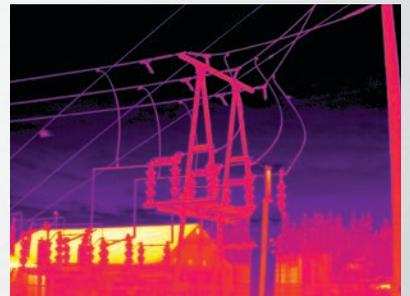
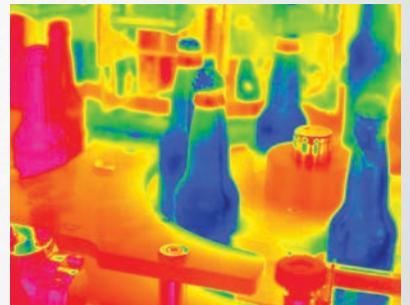
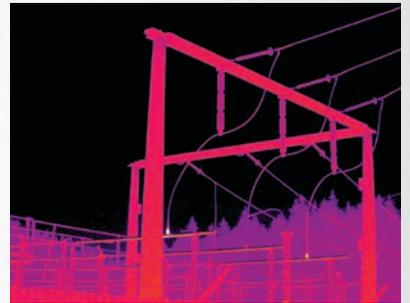
THE EXPERT SERIES

The **FUTURE OF INFRARED** is here in **STUNNING HD*** resolution.





Your work as an expert thermographer is defined by the quality of the infrared images you take and your ability to analyze what's before you. The most pressing challenge lies not in analyzing what you see, but the fear of missing something you can't.



* HD images are captured by the TiX1000 in SuperResolution mode and viewable in the SmartView® software.

Introducing THE EXPERT SERIES

The right cameras when you can't afford to be wrong.

Instantly capture highly detailed images and start analyzing them while still in the field.

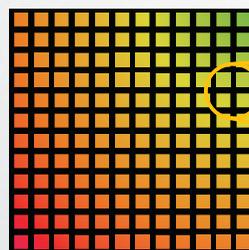
See incredible detail from a distance or extremely close up.

Capture the tough shots with a large 5.6 inch articulating LCD display.



SuperResolution: The most spectacular images ever from a Fluke infrared camera.

Select the SuperResolution mode before you capture images and transfer them to the included SmartView® software to reveal up to 3.1 million pixels (use the TiX1000 and SuperResolution to produce HD quality imagery)—4x the on-camera standard resolution and see infrared in a whole new way.



Step 1.

Step 2.

Step 3.

Step 4.

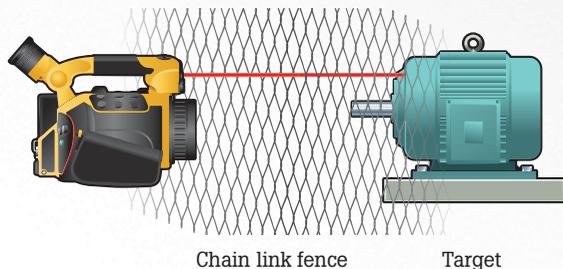
How does it work?

An infrared image consists of sensitive elements and the blank or non-sensitive spaces between them.

SuperResolution shifts the sensitive elements 4x and fills the spaces, resulting in 100% coverage and an image with 4x more resolution.

The industry's most advanced focus options.

Get through your day faster. The advanced focus systems in these cameras take in-focus images faster and easier providing premium image quality and precise temperature readings.

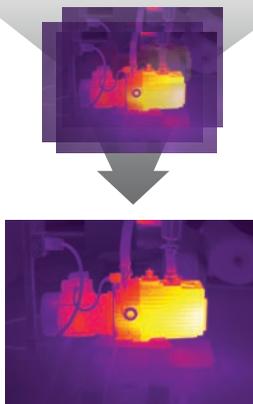


LaserSharp® Auto Focus.

Get an in-focus image like never before with just a touch of a button. LaserSharp® Auto Focus, exclusive to Fluke, uses its built-in laser distance meter to calculate and display the distance to your designated target with pinpoint accuracy. On target and in-focus. Every. Single. Time.

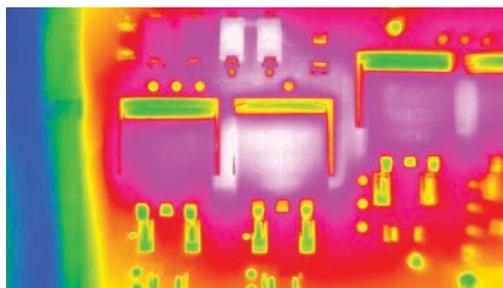


EverSharp combines multiple images captured at different focal distances into one sharp image.



EverSharp multi-focus recording for edge-to-edge clarity.

EverSharp mode utilizes the focus motor to capture multiple images from varying focal distances with the push of a button. Using special algorithms, SmartView® software will combine images taken from multiple focal distances and create one image that sharpens the detail of not just your inspection target, but also enhances the focus of the elements around your target. As a result, you get impressive images with superb image quality.



Help identify failures in the lab before they become failures in the field.

Rapid changes in temperature are often a telling and critical part of product development and quality control (eg. printed circuit board production). Capture, document and analyze multiple frames of data per second to see sudden temperature changes with the optional Subwindowing feature (up to 240 Hz).



Built with
**FLUKE
CONNECT™**

Download the app



See it. Save it. Share it.™

When you need answers quickly, the Fluke Connect™ app is an indispensable, timesaving tool. See what's actually happening in the field with ShareLive™ video call so questions can be answered quickly and work orders authorized before you leave the field. With Fluke Connect™, you're never out of touch with your team.**

*Fluke Connect is not available in all countries.
**Within your provider's wireless service area

Fluke TiX1000 Infrared Camera

The FIRST HD* infrared camera with Fluke Connect™

10x more on-camera pixels than standard 320x240 infrared cameras
1024x768 resolution (786,432 pixels).



1 Save time and get consistently in-focus images

With LaserSharp® Auto Focus, auto focus, manual, and EverSharp multifocal recording—the most advanced focus options all in one camera.

2 Work from safer distances

Inspect areas that you could not get close to before and still get spectacular, detailed infrared images.



3 Large, adjustable 5.6-inch screen for premium viewing

Get a premium in-field viewing experience for quick issue identification with the large 5.6-inch high resolution LCD screen. Easily navigate over, under and around objects to get the best picture.



4 See it. Save it. Share it with the Fluke Connect™ app**

See what your team is seeing, watch live video and readings to troubleshoot problems, answer questions and approve work orders from any location.***

5 Choose the most convenient image transfer protocol for your application

Camera data ports: Image transfer: SD card, USB 2.0, video output DVI-D (HDMI). SmartView® software: SD card, USB 2.0. (GigE Vision and RS232 available in 2015).

6 Optimized for outdoor inspections

Viewfinder reduces outdoor glare for fast and easy image capture.

7 Enhanced image quality and temperature measurement accuracy

Details come to life with 4x greater resolution than standard mode with SuperResolution (3.1 million pixels).

8 More lenses, More options. Better results.

8 optional lenses for maximum versatility (2x and 4x telephoto lenses, 2 wide angle, 3 macro lenses and 1 standard).

*HD images are captured by the TiX1000 in SuperResolution mode and viewable in the SmartView® software.

**Fluke Connect is not available in all countries.

***Within your providers wireless service area

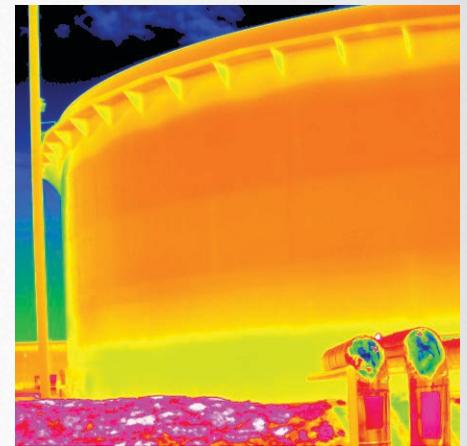
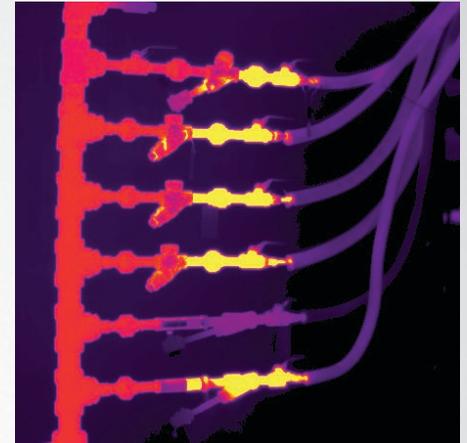
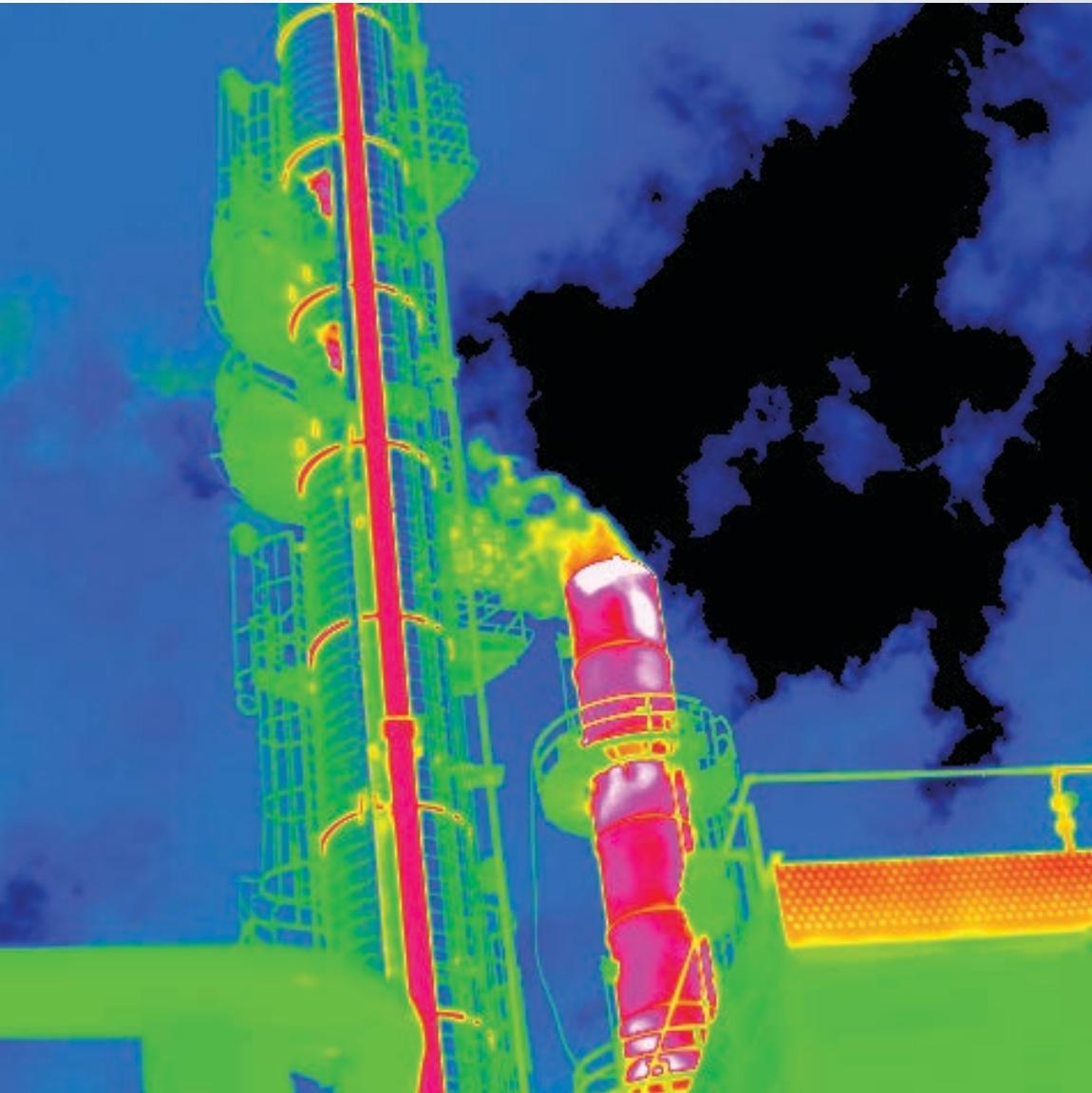
Fluke TiX660 and TiX640 INFRARED CAMERAS

4x more on-camera pixels than standard 320x240 infrared cameras
640x480 resolution (307,200 pixels).



1 Work from safer distances
Inspect areas that you could not get close to before and still get spectacular, detailed infrared images.

2 Save time focusing with the most advanced focus options available for consistently in-focus images
LaserSharp® Auto Focus (TiX660 only), auto focus, manual, and EverSharp multifocal recording features—the most advanced focus options all in one camera.



3 See it. Save it. Share it with the Fluke Connect™ app*

See what your team is seeing, watch live video and readings to troubleshoot problems, answer questions and approve work orders from any location.**

4 Optimized for outdoor inspections

Viewfinder reduces outdoor glare for fast and easy image capture (Ti660 only).

5 Choose the most convenient image transfer protocol for your application

Camera data ports: Image transfer: SD card, USB 2.0, video output DVI-D (HDMI). SmartView® software: SD card. USB 2.0. (GigE Vision and RS232 available in 2015).

6 User-defined programmable buttons

Program one-touch access for most used features.

*Fluke Connect is not available in all countries.
**Within your providers wireless service area

THE EXPERT SERIES

Specifications



	TiX1000	TiX660	TiX640
IFOV (spatial resolution)	0.6 mRad	0.8 mRad	
Detector resolution	1024 x 768 (786,432 pixels) SuperResolution mode: 2048 x 1536 (3.1 million pixels)	640 x 480 (307,200 pixels) SuperResolution mode: 1280 x 960 (1.2 million pixels)	640 x 480 (307,200 pixels)
Field of view	32.4° x 24.7°	30.9° x 23.1°	
Optional lenses	Capture spectacular images close up or from a distance with optional lenses: 2 wide angle, 2 telephoto, 3 macro and 1 standard		
Wireless connectivity	Fluke Connect™ app compatible with Fluke Connect® WiFi SD Card ¹		
Focus system	LaserSharp® Auto Focus, auto focus, manual focus, and EverSharp multifocal recording		Auto focus, manual focus, and EverSharp multifocal recording
IR-Fusion® technology/ Visible context	IR-Fusion® AutoBlend mode Picture-in-picture, color alarms (above and below user defined temperatures)		
Display	Extra-large 5.6 inch color TFT display, 1280 × 800 pixel resolution, Suitable for daylight operation		
Design	Camcorder with handle, Tiltable LCoS color viewfinder display for outdoor use, 800 × 600 pixel resolution		Camcorder
Thermal sensitivity	≤ 0.05 °C at 30 °C target temp (50 mK)	≤ 0.03 °C at 30 °C target temp (30 mK)	
Temperature measurement range	-40 °C to +1200 °C (-40 °F to 2192 °F) High temperature option: up to 2000°C (3632°F)		-40 °C to +1200 °C (-40 °F to 2192 °F)
Frame rate	30 Hz or 9 Hz versions	60 Hz or 9 Hz versions	
Subwindowing modes²	Option 1: 640x480 (60 fps) Option 2: 384 x 288 (120 fps) Option 3: 1024 x 96 (240 fps)	Option 1: 640x480 (60 fps) Option 2: 384 x 288 (120 fps)	
Software	SmartView® software and Fluke Connect™ ¹		
Voice annotation	Yes		
Text annotation	Yes		
Video recording	Standard and radiometric		
Streaming video (remote display)	Via HDMI; GigE Ethernet available in SmartView® software in 2015		
Remote control	Yes. Available in 2015		
Alarms	High-temperature, low-temperature, and isotherm color alarms		
Warranty	2 years (standard), extended warranties are available		

¹ Fluke Connect™ not available in all countries

² Add-on at time of order—subwindowing options are not available on 9 Hz models

More lenses. More options. BETTER RESULTS.

Field swappable lenses can make your camera work better for your application. Capture spectacular images in challenging situations and gain greater insight through the use of a specialized lenses. Super-wide angle to super telephoto and three macro lenses—when you need ultimate flexibility.



**Contact your local Fluke
representative for more
information on these
REMARKABLE
INFRARED CAMERAS.**

Fluke infrared cameras are **ON THE JOB** because they **DO THE JOB.**



EXPERT SERIES

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

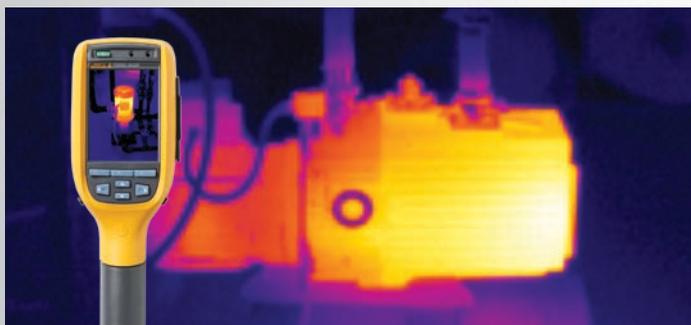
- Industrial maintenance
- Utilities
 - Transmission and distribution
 - Generation
- Oil and gas predictive maintenance
- Research/development and quality control
 - Electrical
 - Mechanical
 - Medical
 - Biology/sciences



PROFESSIONAL SERIES

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

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



PERFORMANCE SERIES

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

- Electrical
- HVAC
- Mechanical
- Home inspections
- Light commercial maintenance
- Building diagnostics
 - Building envelope
 - Commercial/industrial facilities

See HD infrared in Action at FLUKE.COM/HD

Fluke. Keeping your world up and running.®



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