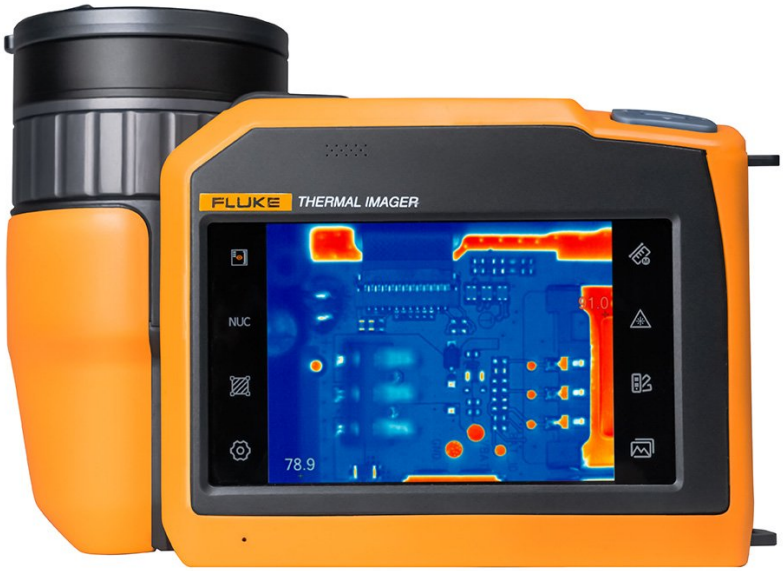
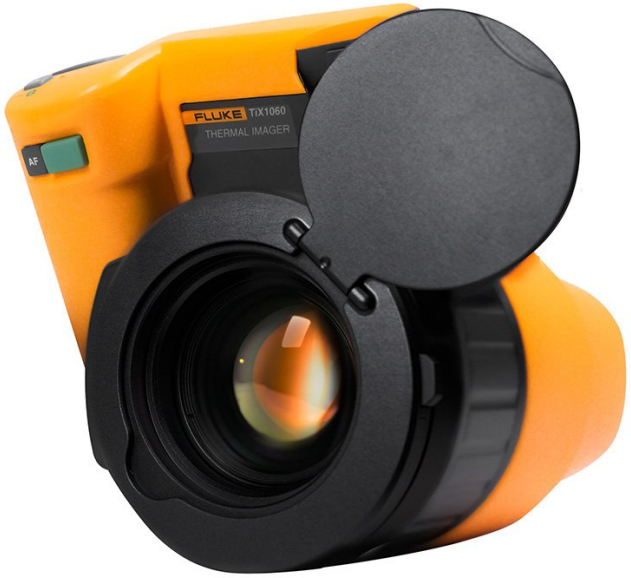
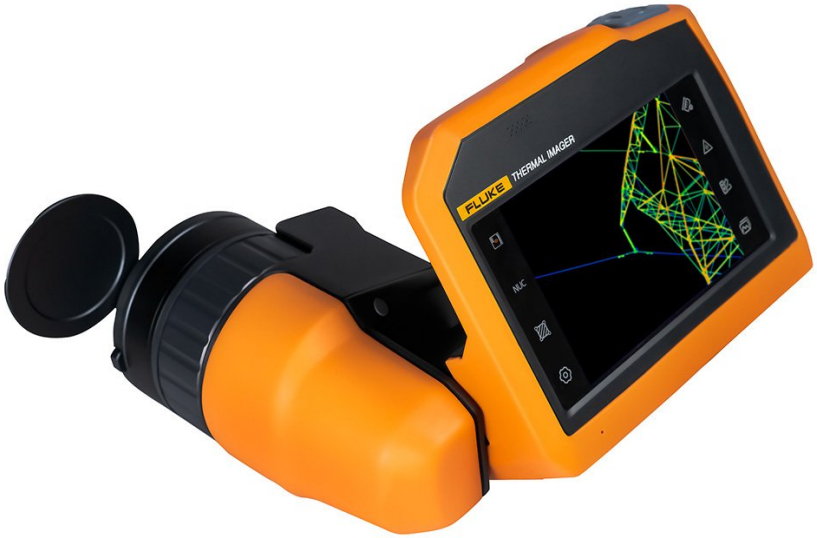
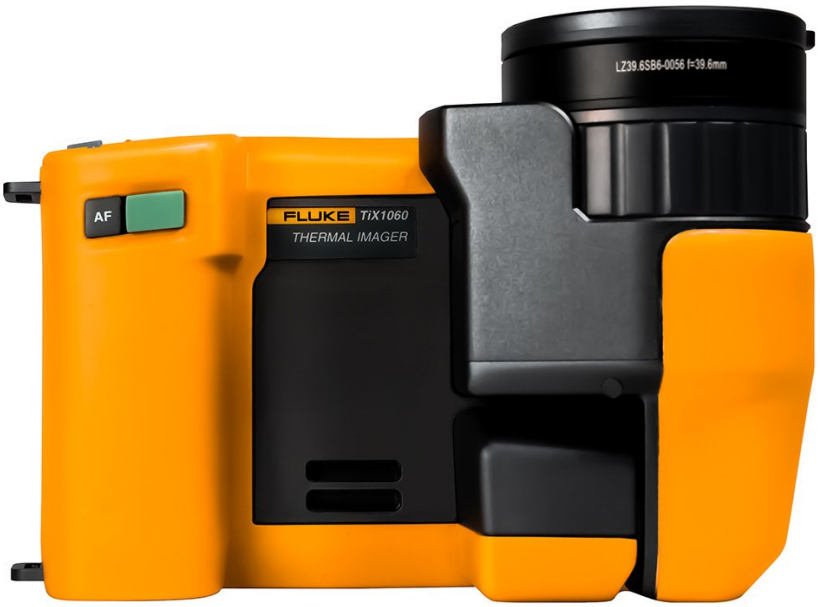
TECHNICAL DATA

Fluke TiX1060 Thermal Camera






FLUKE
THERMAL IMAGER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AF
FLUKE TiX1060
THERMAL IMAGER

Key features

HD Image Quality

- 1024×768 resolution supported by uncooled infrared detectors.
- <30mK thermal sensitivity to capture clear image.
- Manual/auto focus technology for accurate focus and capturing of high-quality image efficiently.

Unmatched capturing flexibility

- Full 180-degree articulating lens.
- 5.5-inch OLED touchscreen for efficient and convenient operation.
- Lithium batteries offering > 3.5 hours of battery life for on-the-go outdoor usage.

Advanced onboard analytics & streaming

- SmartView IR PC software for R&D applications.
- Video streaming output to visualize the smallest temperature changes on a secondary display.

Product overview: Fluke TiX1060 Thermal Camera

The 1024x768 resolution new Fluke TiX1060 thermal imager has superior image quality and is well suited for R&D engineers and scientific researchers. With frame rate up to 25Hz, it retains more details and meets the testing needs of capturing fast changing temperature.

For outdoor applications, the TiX1060 comes with auto-focus technology, allowing user to focus on target from a far distance. Coupled with 1 to 35x continuous digital zoom, user can view small details on distant targets clearly.

With a full 180-degree articulating lens, the Fluke TiX1060 Infrared Camera allows thermographers to easily navigate over, under, and around objects to preview and capture images with ease. Combined with the Super Resolution technology, the TiX1060 can achieve image resolution of 2048 × 1536 pixels.

It also comes with the Fluke SmartView® IR software, which provides a suite of advanced tools to view, optimize, annotate, and analyze infrared images, and generate fully customizable professional reports.

Specifications: Fluke TiX1060 Thermal Camera

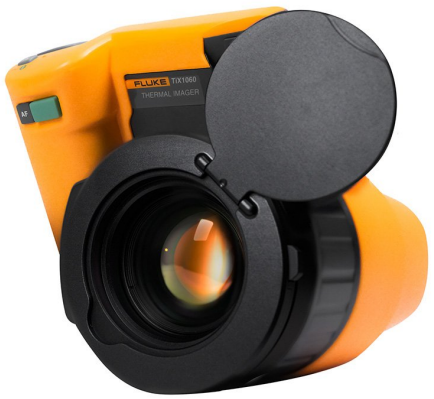
Detector	
Image resolution	1024 x 768
Super Resolution	Yes (enhanced to 2048x1536 pixels)
Thermal sensitivity (NETD)	<30 mK @ 30 °C
Field of View (FOV)	25° x 19° (standard lens)
Spatial Resolution (IFOV)	0.43 mrad
Digital zoom	1x to 35x continuous zoom
Detector type	Focal Plane Array (FPA), uncooled infrared detector

Detector pixel spacing	17 µm
Spectral range	8 to 14 µm
Lens aperture	F1.0
Lens recognition	Auto
Minimum focus distance	0.5 m
Focus System	Auto [motorized focus]/Manual
Frame rate	13 Hz, full window; 25 Hz, 1/2 window
Measurement and Analysis	
Temperature range	-40 °C to 700 °C□-40 °C to 150 °C; 0 °C to 350 °C; 0 °C to 700 °C) High temperature option: expanded to 2000 °C (300 °C to 2000 °C)
Temperature accuracy	±1 °C or 1% of rdg (whichever is greater), -10 °C to 150 °C temperature measurement range ±2 °C or 2% of rdg. (whichever is greater), other temperature ranges
Auto high/low temperature capture	Yes
Reference temperature compensation	Yes. The full-screen and measurement mark temperature are displayed as the difference between the actual temperature and the fixed temperature
Automatic temperature difference calculation	Calculation of the difference between measurement marks or between a measurement mark and the fixed reference temperature
Point temperature measurement	10 points
Area temperature measurement	5 areas (rectangle or circle)
Line temperature measurement	10 lines
Temperature measurement methods	The highest and lowest temperature can be set within an area, and the highest/lowest temperature point can be automatically located
Correction seings	Emissivity, Reflected Temperature (Background Temperature), Transmiance, Humidity, Ambient Temperature, Test Distance, Atmospheric Transmission Correction
Full-screen emissivity correction	0.01 to 1.00 in steps of 0.01, built-in common material emissivity table
Area emissivity correction	Yes
On-imager analysis	Perform point, area and line temperature analysis on saved thermal images
Analysis software	Standard SmartView IR software
Supported languages	Simplified Chinese/English
Image Display	
Display	OLED touchscreen, 170° visual range
Display size	5.5 inches
Display coast	100000 : 1
Display resolution	1920 x 1080 pixels, 1080P Ultra HD display
Digital image enhancement	Yes

Seings for On-Screen Display (OSD)	Yes. Users can define OSD, such as the maximum, minimum, average temperature, full-screen emissivity and reflected temperature
Seings for information display of temperature measurement mark	Yes. Each temperature measurement mark can be set separately, such as emissivity
Built-in digital camera	5.0 MP, auto focus
LED torch/flashlight	Yes
Picture-in-Picture (PIP)	Yes
Color palees	30 palees (15 standard palees, 15 inverted palees)
Manual image adjustment	Yes
Auto image adjustment	Yes
Minimum temperature span (in manual mode)	2 °C
Minimum temperature span (in auto mode)	4 °C
Video	
Fully-radiometric infrared video recording	Recorded to the Imager and PC
Fully-radiometric infrared video recording (frame rate adjustable)	Adjustable frame rate range: 1 to 12 Hz
Fully-radiometric infrared video streaming	Transfer via USB 2.0
Non-radiometric infrared video streaming	Transfer via HDMI
Auto capture	Customized frame rate or interval
Professional Function	
Color alarm (isotherm)	Yes
Audible alarm	High/low temperature alarm
Automatic naming of thermal images	QR code supported
Voice annotation	Yes. 200 s of voice annotation for every image
Text annotation	Simplified Chinese/English/Numbers
Storage and Transfer	
Image viewing	Thumbnail view navigation and view selection
Storage medium	Built-in 16 GB flash + 128 GB high-speed SD card
SD card	Yes
IR image file format	Standard JPEG format, including measurement data
Video file format	.mp4, .IS5
Visible image file format	Standard JPEG format, automatically associate with infrared images
Audio	Yes
Transfer interface	USB Type-C, HDMI, SD card, Bluetooth
Bluetooth transfer	Yes. The saved files can be transferred to a PC via Bluetooth.
GPS	GPS location information is automatically added to each static image captured outdoors

Remote display viewing	Yes. View thermal video stream on your PC or a display terminal (Connect to the Smartview IR software on PC via USB, or connect to a display terminal via HDMI)
Remote cool operation	Yes. Through the SmartView IR Software
USB function	Transfer fully-radiometric thermal image video stream to a PC; read the Imager's inteal flash memory data; read SD card data
USB	USB 2.0
Antenna	Inteal
Power and Environment	
Baery type	3 Rechargeable Li-ion baeries
Baery life	> 3.5 hours for continuous use (ambient temperature of 25 °C)
Weight	1822 g (with baery)
Dimensions	151 mm x 214 mm x 92 mm
Rotatable lens	180° rotatable lens
Test Standards	EN 61326-1 EN 301489-1/-17 EN 300328 EN 303413 IEC 301489-19 EN 60825-1 FCC 47 CFR Part 15 KS C 9832:2019 KS C 9835:2019
Tripod mounting base	UNC 1/4"-20 standard tripod mounting thread
Warranty	2 years for the Imager, 10 years for the detector
Recommended calibration period	2 years (assuming normal operation and aging)

Ordering information



Fluke TiX1060

Model: Fluke TiX1060 Thermal Camera

Accessories

- Fluke TiX1060 Thermal Camera (standard lens)
- Rechargeable Li-ion batteries (3 pcs)
- Battery Charger
- Lens Cover
- USB Cable
- HDMI Cable
- High-Speed SD Card
- Card Reader
- Safety Information
- Quick Reference Guide
- Hand Strap
- Neck Strap
- Hard Carrying Case

Optional lens

- TIX1000 4X TELE, TIX1000 9C TELE LEN
- TIX1000 2X TELE, TIX1000 12C TELE LEN
- TIX1000 2X WIDE, TIX1000 46C WIDE LEN
- TIX1000 MICRO, TIX1000 50UM MICRO LEN

Fluke. *Keeping your world up and running.®*

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Australia
Unit 26, 7 Anella Ave
Castle Hill, NSW 2154 Australia
Phone: 61 2 8850-3333
www.fluke.com.au

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