

**TECHNICAL DATA** 

## TiS60+ Thermal Camera





## POWERFUL, EASY-TO-USE FLUKE CONNECT™ SOFTWARE

The TiS60+ Thermal Camera is compatible with Fluke Connect.

- Modern visual design
- Intuitive navigation—easier to learn, easier and faster to work in
- Simplified work flows
- Simplified reporting work flow and better report templates

### Get the job done right the first time

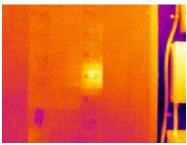
Boost your team's performance with 320 x 240 resolution. Infrared images taken with the TiS60+ capture smaller temperature differences from further away. If you are new to thermal imaging or if your camera is being used by a team with varying levels of thermal imaging experience, the TiS60+ offers easy-to-use fixed focus.

- 320 x 240 resolution for the clarity and image detail you need
- 3.5 inch LCD screen so you can recognize issues in the field
- · Easy to use fixed focus, just point and shoot
- Measure up to 400 °C to handle all your applications
- · One-handed image capture, review and save capability

# See the problem and the location in one image with $\text{IR-Fusion}^{\scriptscriptstyle\mathsf{TM}}$ technology

IR-Fusion technology, patented by the Fluke Corporation, automatically captures a digital visible light image at the same time as an infrared image. The camera blends the two images together, pixel for pixel, in a single display. You can then view the image in full infrared, full visible light or at several degrees of blending in between.

The location of an infrared target can be precisely identified even if the infrared contrast is low and there is very little structure in the infrared image.



Full infrared



50 % blending, picture-in-picture mode



50 % blending



### **Specifications**

ITSSO Infrared resolution IPOV with standard lens (spatial resolution) IPOV with standard lens and spatial resolution lens (spatial resolution) IPOV with st	War Parkers	mines.
Flotd view standard lens (spatial resolution)   1.86 mRad, D.S 532:1	Key Features	TiS60+
Pield of view   34.1 "H x 25.6 "V   Minimum focus distance   46 cm (18 in)		320 x 240 (76,800 pixels)
Minimum focus distance Focus system Wireless connectivity Yes, to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi and LAN (where available) Yes*, connect your camera to your smartphone, and images taken automatically upload to the Pluke Connect Assets optional software IR Fusion™ technology Ruse	IFOV with standard lens (spatial resolution)	
Focus system  Ves., to PC, IPhone® and IPad® (IOS 4s and later), Android™ 4.3 and up, and WiFi and LAN (where available)  Fluke™ Connect app compatible  Fluke Connect app compatible  Fluke Connect app compatible  Fluke Connect Assets optional software  IR Pusion™ technology  Ves*, assign images to assets and create work orders. Easily compare measurement types—whether mechanical, electrical or infrared images—in one location  IR Pusion™ technology  Ves  AutoBlend™ mode  Ves  Picture—in—Picture (PIP)  Ruggedized display  Sinch (8.9 cm landscape) 320 x 240 LCD  Ergonomic design  Designed for one—handed use  Flowel and span  Smooth auto and manual scaling  Fast auto—rescale in manual mode  Wes  Minimum span (in manual mode)  Minimum span (in manual mode)  Sinc (19.0 °F)  Built—in digital camera (visible light)  Frame rate  LED light (torch)  Pata storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One—handed image capture, review, and save capability  Image file formats  Memory review  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect  software  Ves  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect  software  Ves  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Fes  Text annotation  No  No  Remote control operations		34.1 °H x 25.6 °V
Wireless connectivity  Yes, to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi and LAN (where available)  Fluke Connect app compatible  Fluke Connect app compatible  Pluke Connect Assets optional software  Pluke Connect Assets optional software  R Pusion™ technology  AutoBlend™ mode  Picture—In-Picture (PIP)  Reggedized display  Fluke Gisplay  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect software  Fluke Connect desktop software—f	Minimum focus distance	46 cm (18 in)
Fluke "Connect app compatible Yes*, connect your camera to your smartphone, and images taken automatically upload to the Fluke Connect Assets optional software Whether mechanical, electrical or infrared images—in one location infrared images—in one location whether mechanical, electrical or infrared images—in one location infrared images—in one loc	Focus system	Fixed
Fluke Connect Assets optional software  Yes*, assign images to assets and create work orders. Easily compare measurement types—whether mechanical, electrical or infrared images—in one location  IR Pusion™ technology  AutoBlend™ mode  Picture—In-Picture (PIP)  Yes  Ruggedized display  Ruggedized display  Ruggedized display  Si sinch (8.9 cm landscape) 320 x 240 LCD  Brgonomic design  Designed for one-handed use  Thermal sensitivity (NETD)**  Level and span  Smooth auto and manual scaling  Fast auto-rescale in manual mode  Minimum span (in manual mode)  Soft (9.0 °F)  Built-in digital camera (visible light)  Frame rate  LED light (torch)  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One-handed image capture, review, and save capability  Memory review  Software  Fluke Connect days to assets and create work orders. Easily compare measurement types—whether mechanical, electrical or infrared images.  Yes  LED light (torch)  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Internal 4GB memory and 4GB micro SD card  Internal 4GB memory and 4GB micro SD card  Pick Connect system  Non-radiometric BPF or JPEG or fully-radiometric is2  Memory review  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect  software  Voice annotation  60 seconds maximum recording time per image; reviewable playback on camera; Eluetooth headset required (sold separately)  R-PhotoNotes  Pex 3 images  Fext annotations  No  Video recording and formats  No  Remote control operations	Wireless connectivity	
whether mechanical, electrical or infrared images—in one location  Whether mechanical, electrical or infrared images—in one location  Yes  AutoBlend" mode  Yes  Picture-In-Picture (PIP)  Ruggedized display  3.5 inch (8.9 cm landscape) 320 x 240 LCD  Bergonomic design  Designed for one-handed use  Thermal sensitivity (NETD)**  Level and span  Smooth auto and manual scaling  Past auto-rescale in manual mode  Yes  Minimum span (in auto mode)  Built-in digital camera (visible light)  Frame rate  Lese pointer  LED light (torch)  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Memory review  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect software  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect software  Voice annotation  Fext annotations  No  Remote control operations  No  Remote control operations  No  Remote control operations  No  Pass  Ruggedized display  Yes  Software infrared images—in one location  Yes  Software infrared images—in one location  Yes  Notation infrared images—in one location  No  Yes  Software infrared images—in one location  Yes  No  Pass  No  No  No  No  No  No  No  No  No	Fluke™ Connect app compatible	
AutoBlend™ mode Picture-In-Picture (PIP) Ruggedized display 3.5 inch (8.9 cm landscape) 320 x 240 LCD Pronomic design Designed for one-handed use Thermal sensitivity (NETD)**  Level and span Smooth auto and manual scaling Past auto-rescale in manual mode Wes Minimum span (in manual mode) For (4.5 °C) (4.5 °C) Minimum span (in uto mode) Smooth auto mode) Smooth auto and manual scaling For (4.5 °C) Smp Prame rate Smooth auto mode) For (9.0 °P) Minimum span (in auto mode) Smp Prame rate Smooth auto mode) Smp Prame rate Smooth auto mode) Smp Prame rate Smooth auto mode) Smp Prame rate Smp Internal 4GB memory and 4GB micro SD card Internal 4GB memory and 4	Fluke Connect Assets optional software	
Picture-In-Picture (PIP)  Ruggedized display  3.5 inch (8.9 cm landscape) 320 x 240 LCD  Ergonomic design  Designed for one-handed use  Thermal sensitivity (NETD)**  ≤ 0.045 °C at 30 °C target temp (45 mK)  Level and span  Fast auto-rescale in manual mode  Minimum span (in manual mode)  Minimum span (in manual mode)  Minimum span (in auto mode)  Someth auto and manual scaling  Fast auto-rescale in manual mode  Minimum span (in auto mode)  Someth auto and manual scaling  Fast auto-rescale in manual mode  Minimum span (in manual mode)  Someth auto and manual scaling  Fast auto-rescale in manual mode  Minimum span (in manual mode)  Someth auto and manual scaling  Fast auto-rescale in manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Fast auto-rescale in manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Fast auto-rescale in manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Someth auto and manual scaling  Fast auto-rescale in manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Fast auto-rescale in manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Pes  Minimum span (in manual mode)  Someth auto and manual scaling  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in manual mode)  Someth auto and manual mode  Pes  Minimum span (in auto mode)  Someth auto auto auto auto span span span span span span span span	IR Fusion™ technology	Yes
Ruggedized display  3.5 inch (6.9 cm landscape) 320 x 240 LCD  Ergonomic design  Designed for one-handed use  Thermal sensitivity (NETD)**  Level and span  Smooth auto and manual scaling  Fast auto-rescale in manual mode  Minimum span (in manual mode)  Minimum span (in auto mode)  S°C (9.0 °F)  Built-in digital camera (visible light)  Frame rate  Laser pointer  Yes  LED light (torch)  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect  software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  40 Seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  R-PhotoNotes  Text annotations  No  Video recording and formats  Remote control operations  No  No  No  No  No  No  No  No  No  N	AutoBlend™ mode	Yes
Ergonomic design  Thermal sensitivity (NETD)**  Level and span  Past auto-rescale in manual mode  Rinimum span (in manual mode)  Built-in digital camera (visible light)  Frame rate  Extensive memory options  Image Capture, review, save mechanism Image Rile formats  Memory review  Software  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Viece annotation  Fext annotations  Pes  Mooth auto and manual scaling  Yes  Smooth auto and manual scaling  Yes  Smooth auto and manual scaling  Yes  Simoth auto and manual scaling  Yes  Simp  1 Soft (4.5 °F)  SMP  2 Soft (4.5 °F)  SMP  3 SMP  4 Soft or 30 Hz  4 Soft or 30 Hz  Buternal 4GB memory and 4GB micro SD card  Internal 4GB memory and 4GB micro SD card  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Yes  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Yes  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Yes  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Yes  Software  No Software  Voice annotation  No  No  Video recording and formats  No  No  No  No  No	Picture-In-Picture (PIP)	Yes
Thermal sensitivity (NETD)**  Level and span  Smooth auto and manual scaling  Fast auto-rescale in manual mode  Minimum span (in manual mode)  Minimum span (in manual mode)  Minimum span (in manual mode)  S°C (9.0°F)  Built-in digital camera (visible light)  Frame rate  Laser pointer  LED light (torch)  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One-handed image capture, review, and save capability  Image file formats  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect  software  Ves  Software  Fluke Connect gis2, BMP, GIF, JPEG, PNG, TIFF  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Yes—3 images  Text annotations  No  Video recording and formats  Remote control operations  No	Ruggedized display	3.5 inch (8.9 cm landscape) 320 x 240 LCD
Level and span Smooth auto and manual scaling  Fast auto-rescale in manual mode  Minimum span (in manual mode)  Minimum span (in auto mode)  Built-in digital camera (visible light)  Frame rate  SMP  Frame rate  Leser pointer  LeD light (torch)  Data storage and image capture  Extensive memory options  Image file formats  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Ves  Export file formats with Fluke Connect software  Voice annotation  Go seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  Video recording and formats  No  No  Video recording and formats  No  Remote control operations	Ergonomic design	Designed for one-handed use
Fast auto-rescale in manual mode  Minimum span (in manual mode)  Minimum span (in auto mode)  Built-in digital camera (visible light)  Frame rate  Laser pointer  Laser pointer  LED light (torch)  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One-handed image capture, review, and save capability  Image file formats  Memory review  Software  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Ves  Export file formats with Fluke Connect  software  Oesconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Yes  Text annotations  No  Video recording and formats  No  Remote control operations	Thermal sensitivity (NETD)**	≤ 0.045 °C at 30 °C target temp (45 mK)
Minimum span (in manual mode)  Minimum span (in auto mode)  Built-in digital camera (visible light)  Frame rate  Soft (9.0 °F)  Built-in digital camera (visible light)  Frame rate  Soft (9.0 °F)  Soft	Level and span	Smooth auto and manual scaling
Minimum span (in auto mode)  Built-in digital camera (visible light)  Frame rate  4 9 Hz or 30 Hz  Laser pointer  LED light (torch)  No  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One-handed image capture, review, and save capability  Image file formats  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Yes  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Text annotations  No  Video recording and formats  Remote control operations  No	Fast auto-rescale in manual mode	Yes
Built-in digital camera (visible light) Frame rate  <	Minimum span (in manual mode)	2.5 °C (4.5 °F)
Frame rate  Laser pointer  LED light (torch)  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  Image file formats  Mon-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Yes  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  For seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Yes—3 images  Text annotations  No  Remote control operations  No	Minimum span (in auto mode)	5 °C (9.0 °F)
Laser pointer  LED light (torch)  No  Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One-handed image capture, review, and save capability  Image file formats  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Yes  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Yes—3 images  Text annotations  No  No  Remote control operations	Built-in digital camera (visible light)	5MP
Data storage and image capture  Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One-handed image capture, review, and save capability  Image file formats  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Yes  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  Go seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Text annotations  No  Video recording and formats  No  Remote control operations	Frame rate	< 9 Hz or 30 Hz
Extensive memory options Internal 4GB memory and 4GB micro SD card Image capture, review, save mechanism Image file formats Memory review Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system Analyze and store radiometric data on a PC Export file formats with Fluke Connect software  Vice annotation  GO seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Text annotations  No  Video recording and formats  No  Remote control operations  Internal 4GB memory and 4GB micro SD card Internal 4GB nemory and 4GB nicro SD card Internal 4GB nicro SD card Internal 4GB ninternal 4GB nicro SD card Internal	Laser pointer	Yes
Extensive memory options  Internal 4GB memory and 4GB micro SD card  Image capture, review, save mechanism  One-handed image capture, review, and save capability  Image file formats  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Yes  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  Go seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Yes—3 images  Text annotations  No  Video recording and formats  No  Remote control operations  No	LED light (torch)	No
Image capture, review, save mechanism  One-handed image capture, review, and save capability  Image file formats  Non-radiometric BMP or JPEG or fully-radiometric is2  Memory review  Yes  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  formats with Fluke Connect is2, BMP, GIF, JPEG, PNG, TIFF  Voice annotation  for seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Yes—3 images  Text annotations  No  Video recording and formats  No  Remote control operations  No	Data storage and image capture	
Image file formats  Memory review  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Export file formats with Fluke Connect software  Voice annotation  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Text annotations  No  Video recording and formats  No  Remote control operations  No	Extensive memory options	Internal 4GB memory and 4GB micro SD card
Memory review  Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  Go seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Text annotations  No  Video recording and formats  No  Remote control operations  No	Image capture, review, save mechanism	One-handed image capture, review, and save capability
Software  Fluke Connect desktop software—full analysis and reporting software with access to the Fluke Connect system  Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  formats with Fluke Connect is 2, BMP, GIF, JPEG, PNG, TIFF  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Text annotations  No  Video recording and formats  No  Remote control operations  No	Image file formats	Non-radiometric BMP or JPEG or fully-radiometric is2
Analyze and store radiometric data on a PC  Export file formats with Fluke Connect software  Voice annotation  Fluke Connect system  is2, BMP, GIF, JPEG, PNG, TIFF  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Text annotations  No  Video recording and formats  No  Remote control operations  No	Memory review	Yes
Export file formats with Fluke Connect software  Voice annotation  IR-PhotoNotes  Text annotations  Video recording and formats  Remote control operations  is2, BMP, GIF, JPEG, PNG, TIFF  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  Yes—3 images  No  No	Software	
Voice annotation  Control operations  Software  Voice annotation  60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)  IR-PhotoNotes  Yes—3 images  Text annotations  No  Video recording and formats  No  Remote control operations  No	Analyze and store radiometric data on a PC	Yes
IR-PhotoNotes Yes—3 images Text annotations No Video recording and formats No Remote control operations No	•	is2, BMP, GIF, JPEG, PNG, TIFF
Text annotations No Video recording and formats No Remote control operations No	Voice annotation	60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)
Video recording and formats     No       Remote control operations     No	IR-PhotoNotes	Yes—3 images
Remote control operations No	Text annotations	No
	Video recording and formats	No
Auto capture (temperature and interval)  Yes	Remote control operations	No
	Auto capture (temperature and interval)	Yes

<sup>\*</sup> Not all features of Fluke Connect are available in all countries. Please check availability with your authorized Fluke distributor.
\*\* Best possible



### **Specifications** continued

Key Features	TiS60+
Battery	
Batteries (field-replaceable, rechargeable)	Two lithium ion smart battery pack with five-segment LED display to show charge level
Battery life	4 hours continuous use per battery pack
Battery charging time	2.5 hours to full charge
Battery charging system	Two-bay battery charger or in-imager charging. Optional 12 V automotive charging adapter
AC operation	AC operation with included power supply (100 V ac to 240 V ac, 50/60 Hz)
Power saving	User selectable
Temperature measurement	
Temperature range (not calibrated below -10 °C)	-20 °C to 400 °C (-4 °F to 752 °F)
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
On-screen transmission correction	No
Line temperature graph	No
Color palettes	
Standard palettes	8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted
Ultra contrast palettes	8: Ironbow Ultra, Blue-Red Ultra, High Contrast Ultra, Amber Ultra, Hot Metal Ultra, Grayscale Ultra, Grayscale Inverted Ultra
General specifications	
Color alarms	High temperature, low temperature, isotherms (within range)
Infrared spectral band	7.5 µm to 14 µm
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)
Storage temperature	-20 °C to +50 °C (-4 °F to 122 °F) without batteries
Relative humidity	10 % to 95 %, non-condensing
Center-point temperature measurement	Yes
Spot temperature	Hot and cold spot markers
User-definable spot markers	3
User defined measurement boxes	Expandable-contractible measurement box
Hard case	Rugged hard carrying case with soft transport bag, including adjustable strap
Safety standards	IEC 61010-1: Overvoltage category II, Pollution Degree 2
Electromagnetic combability	IEC 61326-1: Basic EM environment. CISPR 11: Group 1, Class A
Australian RCM	RCM IEC 61326-1
US FCC	EN61326-1; FCC Part 5, EN 55011: Class A, EN 61000-4-2, EN 61000-4-3
Vibration	2G, IEC 68-2-6
Shock	25G, IEC 68-2-29
Drop	Engineered to withstand 2 meter (6.5 feet) drop
Sized (H x W x L)	26.7 cm x 10.1 cm x 14.5 cm (10.5 in x 4.0 in x 5.7 in)
Weight (battery included)	0.72 kg (1.6 lb.)
Enclosure rating	IP54 (protected against dust, limited ingress; protection against water spray from all directions)
Warranty	Two-years (standard)
Recommended calibration cycle	Two-years (assumes normal operation and normal aging)
Supported languages	Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and Turkish
RoHS compliant	Yes



### **Ordering information**

FLK-TIS60+ 30HZ THERMAL IMAGER FLK-TIS60+ < 9HZ THERMAL IMAGER

#### Included

Infrared camera; ac power supply (including universal ac adapters); two-bay smart battery charger; 2 rugged lithium ion smart batteries; USB cable; 4 GB micro SD card; rugged, hard carrying case; soft transport bag; adjustable hand strap. Available by free download: desktop software and user manual.

#### **Optional accessories**

FLK-BLUETOOTH Bluetooth Headset
FLK-TI-TRIPOD3 Tripod Mounting Accessory
BOOK-ITP Introduction to Thermography
Principles Book

FLK-TI-SBP3 Additional Smart Battery FLK-TI-SBC3B Smart Battery Charger TI-CAR CHARGER Car Charger

Visit **www.fluke.com** to get complete details on these products or ask your local Fluke sales representative.



#### 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.
- Move away from clipboards, notebooks and multiple spreadsheets with a wireless one-step measurement transfer.
- Access baseline, historical and current measurements by asset.
- Share your measurement data using ShareLive<sup>™</sup> video calls and emails.
- The TiS60+ infrared camera is part of a growing system of connected test tools and equipment maintenance software. Visit the Fluke website to learn more about the Fluke Connect system.

Find out more at fluke.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 5GB of storage is free

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



Fluke. Keeping your world up and running.®

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**Fluke Europe B.V.**PO Box 1186, 5602 BD
Eindhoven, The Netherlands

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For more information call:

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