

TiS75, TiS65, TiS60, TiS55, TiS50, TiS45, TiS40, TiS20 and TiS10 Infrared Cameras The Fluke Performance Series



GOOD IMAGE QUALITY WITH UP TO 320 X 240 RESOLUTION

FIELD OF VIEW

35.7 °H x 26.8 °V

RESOLUTION TiS75 320 x 240 D:S 504:1 TiS65/60 260 x 195 D:S 409:1

TiS55/50 220 x 165 D:S 346:1

TiS45/40 160 x 120 D:S 252:1

TiS20 120 x 90 D:S 189:1

TiS10 80 x 60 D:S 126:1

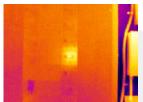


Fluke Connect® compatible

Rugged. Accurate. Built to perform.

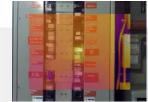
- Save time wirelessly sync images directly from your camera to the **Fluke Connect*** **system**, and attach to an asset record or work order. Having access to maintenance records simultaneously at the inspection site and from the office or an off-site location enables faster decision making and real time collaboration between team members
- Get the context of the visual and infrared details all in one precisely blended or picture-in-picture image with **IR-Fusion**[®] **technology**
- Get precisely focused images from as close as 15 cm (6 in) with **manual focus**, or choose **fixed focus** for faster images without the need to focus from 45 cm (1.5 ft) and beyond
- Monitor your battery charge and avoid an unexpected loss of power with the **smart battery** with LED charge indicator
- Get easy access to saved images with a removable SD card
- Digitally document critical information such as the location of the equipment or the motor nameplate with the infrared image using **IR-PhotoNotes™** or **voice annotation***

See the problem and location in one image with IR-Fusion[®] technology.



Full infrared

免責聲明



50% blending, picture-inpicture mode



50% blending

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Detailed specifications

Von footuure	TiS75	TiS65	TiS60	TiS55	TiS50	TiS45	TiS40	TiS20	TiS10	
Key features	2.0 mRad	0.4 m Davi		0.0 m Dad				5.2 mRad	7.0 m De d	
IFOV (spatial resolution) Detector resolution	320 x 240 (76,800 pixels)	2.4 mRad 260 x 195 (50,700 pixels)		2.8 mRad 220 x 165 (36,300 pixels)		3.9 mRad 160 x 120 (19,200 pixels)		120 x 90 (10,800 pixels)	7.8 mRad 80 x 60 (4,800 pixels)	
Field of view	(10,000 philoloj			1	35.7 °H x 26.8 °N	I I		(10,000 pilloloj	(1,000 pilloio)	
Distance to spot	504:1	40	9:1	34	6:1	25	2:1	189:1	126:1	
Focus system	Manual focus, 1 distance 15		Fixed focus, minimum focus distance 45 cm (~18 in)	Manual focus, minimum focus distance 15 cm (~6 in)	Fixed focus, minimum focus distance 45 cm (~18 in)	Manual focus, minimum focus distance 15 cm (~6 in)	Fixed focu	us, minimum focu 45 cm (~18 in)	s distance	
Wireless connectivity	Yes, to PC, iPhone∗ and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN (where available)									
Fluke Connect® app compatible	Yes*, connect your camera to your smartphone, and images taken automatically upload to the Fluke Connect® app for saving and sharing									
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									
Fluke Connect® Instant Upload	Yes*, connect your camera to your building's WiFi network, and images taken automatically upload to the Fluke Connect® system for viewing on your smartphone or PC									
Fluke Connect® tool compatible	Yes*, connects wirelessly to select Fluke Connect® enabled tools and displays measurements on camera screen. Five simultaneous connections supported									
IR-Fusion® technology			Yes, adds the co			r infrared image			-	
AutoBlend [™] mode	100 %, 75 %, 50 %, 25 % IR plus full visible on camera; continuously variable in software variable in software								100 % IR and full visible on camera; continuously variable in software	
Picture-In-Picture (PIP)	100 %, 75 %, 50 %, 25 % IR; continuously variable in software Not available on camera; co tinuously variable in software									
Ruggedized display	3.5 inch (landscape) 320 x 240 LCD									
Rugged, ergonomic design for one-handed use					Yes					
Thermal sensitivity (NETD)	\leq 0.08 °C at 30 °C target temp (80 mK) \leq 0.05					≤ 0.09 °C at 30 (90		≤ 0.10 °C at 30 °C target temp (100 mK)	≤ 0.15 °C at 30 °C target temp (150 mK)	
Level and span				Smooth	auto and manua	l scaling				
Fast auto toggle between manual and auto modes					Yes					
Fast auto-rescale in manual mode	Yes									
Minimum span (in manual mode)					2.5 °C (4.5 °F)					
Minimum span (in auto mode)	5 °C (9.0 °F)									
Built-in digital camera (visible light) Frame rate	30 Hz or 9 1	Ja vorgiong	9 Hz	30 Hz or 9 Hz	5MP 9 Hz	30 Hz or 9 Hz		9 Hz		
	50 HZ 01 9 1	12 VEISIOIIS		versions	9 HZ	versions		9 HZ		
Laser pointer			Ŷ	es				_		
Data storage and image capture	Internal AGB memory							nrv		
Extensive memory options	Internal 4GB memory and 4GB micro SD card [includes slot for optional micro						2			
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); No analysis software required for non-radiometric (.bmp, .jpg) files									
Memory review		Dedicate	,	•		images; thumbna		n review		
Software	SmartView® full analysis and reporting software and Fluke Connect® system*									
Export file formats with SmartView® software	Bitmap (.bmp), GIF, JPEG, PNG, TIFF									
Voice annotation	60 seconds maximum recording time per image; reviewable playback on camera; Bluetooth headset required (sold separately)						-			
IR-PhotoNotes™		Yes (3 images)		Yes (1	image)		-	_		
Video recording Video file formats	Non-radiomet	dard and radiom ric (MPEG - enco	oded .avi) and			-	-			
Streaming video (remote display)	Yes, see the liv on your PC o hotspot, or WiF ware on a PC;	y radiometric (.i e stream of the o r smartphone. V i network to Sm or via WiFi hotsp (® app on a sma	camera display ia USB, WiFi artView® soft- ot to the Fluke			-	-			
Auto capture (temperature and interval)	Yes									

*Fluke Connect® system is not available in all countries. Please check availability with your authorized Fluke distributor.





Detailed specifications

	TiS75	TiS65 TiS60	TiS55 T	iS50	TiS45	TiS40	TiS20	TiS10			
Battery											
Batteries (field-replaceable, rechargeable)	Two lithium ion smart battery pack with five- segment LED display to show charge level One lithium ion smart battery pack with five-segment LED display to show charge level										
Battery life	Four+ hours continuous use per battery pack										
Battery charge time	2.5 hours to full charge										
Battery charging system	Two-bay battery charger or in-imager charging. Optional 12 V automotive charging adapter charging. Optional two-bay battery charger or 12v automotive charging adapter so separately										
AC operation	AC operation with included power supply (100 V AC to 240 V AC, 50/60 Hz)										
Power saving	User selectable sleep and power off modes										
Temperature measurement											
Temperature measurement range (not calibrated below -10 °C)	-20 °C to	+550 °C (-4 °F to 1022 °F)	-20 °C to + (-4 °F to 8		-20 °C to +350 °C (-4 °F to 662 °F)			-20 °C to +250 °C (-4 °F to 482 °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	Y	ies –	Yes	-	Yes		-				
Color palettes			· · ·								
Standard palettes	8: Ironbow, Blue-Red, High Contrast, Amber, Amber Inverted, Hot Metal, Grayscale, Grayscale Inverted 							3: Ironbow, Blue-Red, Grayscale			
Ultra Contrast™ palettes	8: Ironbow Ultra, Blue-Red Ultra, High Contrast Ultra, Amber Iltra, Amber Inverted Ultra, Hot Metal Ultra, Grayscale Ultra, Grayscale Inverted Ultra										
General specifications											
Color alarms (temperature alarms)	High temperature, low temperature, isotherms (within range) High temperature, low temperature, low temperature -							-			
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	2			1	-	-			
Center box	Expandable-contractible measurement box										
Safety standards	EN 61010-1: CAT none, pollution degree 2, EN 60825-1: Class 2, EN 60529, EN 62133 (lithium battery)										
Electromagnetic compatibility	EN 61326-1:2006, EN 55011: Class A, EN 61000-4-2, EN 61000-4-3										
C Tick	IEC/EN 61326-1										
US FCC	EN61326-1; FCC Part 5, EN 55011: Class A, EN 61000-4-2										
Vibration and Shock	2G, IEC 68-2-6 and 25G, IEC 68-2-29										
Drop	Engineered to withstand 2 meter (6.5 feet) drop										
Size (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)	Fixed Focus .72 kg (1.6 lb), Manual focus .77 kg (1.7 lb)										
Enclosure rating Warranty	IP54 (protected against dust, limited ingress; protection against water spray from all directions) Two-years (standard), extended warranties are available										
Recommended calibration cycle	Two-years (assumes normal operation and normal aging)										
Supported languages	Czech, Di	Czech, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, and Turkish									
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Ordering information

FLK-TiS7530HZInfrared CameraFLK-TiS759HZInfrared CameraFLK-TiS6530HZInfrared CameraFLK-TiS609HZInfrared CameraFLK-TiS5530HZInfrared CameraFLK-TiS559HZInfrared CameraFLK-TiS559HZInfrared CameraFLK-TiS559HZInfrared CameraFLK-TiS559HZInfrared CameraFLK-TiS4530HZInfrared CameraFLK-TiS459HZInfrared CameraFLK-TiS409HZInfrared CameraFLK-TiS209HZInfrared CameraFLK-TiS109HZInfrared Camera

Included

Infrared camera; AC power supply (including universal AC adapters); two-bay smart battery charger (TiS75, TiS65, TiS60 only); rugged lithium ion smart battery (TiS75, TiS65/60 include 2 each—other models 1 each); USB cable; 4 GB micro SD card (TiS75, TiS65/60, TiS55/50, TiS45 only); rugged, hard carrying case (TiS75, TiS65/60, TiS55/50; TiS45/40); soft transport bag; adjustable hand strap (TiS75, TiS65/60, TiS55/50, TiS45/40). **Available by free download:** SmartView® 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

Fluke Connect® modules

FLK-a3000 FC AC Current Clamp Module FLK-a3001 FC iFlex™ AC Current Clamp Module FLK-a3002 FC AC/DC Current Module FLK-a3003 FC DC Wireless Clamp FLK-a3004 FC DC Wireless Clamp FLK-v3000 FC AC Voltage Module FLK-v3001 FC DC Voltage Module FLK-t3000 FC K-Type Temperature Module

RF connection time (binding time) may take up to 1 minute.



Preventive maintenance simplified. Rework eliminated.

FLUKE

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.
- The Fluke Performance Series is part of a growing system of connected test tools and equipment maintenance software. Visit the website to learn more about the Fluke Connect* system.

Find out more at flukeconnect.com





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

The Professional Series

For a high performance, feature rich thermal imager that produces consistently in-focus images with a touch of a button EVERY, SINGLE, TIME, consider the Professional Series with LaserSharp® Auto Focus.



Fluke. Keeping your world up and running.®

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免責聲明

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4 Fluke Corporation TiS75, Ti

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