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FLUKE®

Ti125, Ti110, Ti105, Ti100, Ti95 и Ti90 Тепловизоры для промышленности и бизнеса



Полная совместимость
с Fluke Connect™

Тепловизоры Fluke

Опыт. Производительность. Уверенность.

Fluke Ti125, Ti110, Ti105, Ti100, Ti95 и Ti90 Тепловизоры помогающие сэкономить время и деньги, найдя потенциальные проблемы прежде чем произойдут поломки.

- Fluke Connect™ ShareLive™ беспроводная передача данных позволяет сотрудничать с другими, так они видят то, что видите вы. Получить одобрение, не возвращаясь в офис.
- Отличное качество изображения. До 84% лучше разрешение, чем у других конкурирующих моделей * Большой экран.
- Точное наложение визуального и инфракрасного изображения оказывает помощь в выявлении потенциальных проблем -Технология IR-Fusion® с режимом AutoBlend™ Ti125, Ti110, Ti105
- Автофокусировка с расстояния 1,2 м (4 фута) IROptiFlex™ и с 15 см (6 дюймов) в ручном режиме.
- Хорошая тепловая чувствительность от 100 мК до 80 мК

SUPERIOR IMAGE QUALITY

SPATIAL RESOLUTION

Ti125, Ti110, Ti105, Ti100
3.39 mRad

Ti 95, Ti90
5.6 mRad

RESOLUTION

Ti125, Ti110, Ti105, Ti100
160x120 (19,200 pixels)

Ti95
80x80 (6,400 pixels)

Ti90
80x60 (4,800 pixels)

FIELD OF VIEW

Ti125, Ti110, Ti105, Ti100
22.5 °H x 31 °V

Ti95
26 °H x 26 °V

Ti90
19.5 °H x 26 °V

EXTENSIVE SD MEMORY SYSTEM

Removable 8Gb SD memory card
and 8 Gb wireless SD Card (where available)

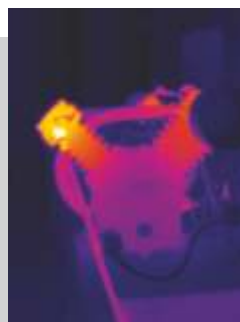
IR-Fusion® Technology with AutoBlend™ Mode



Именно смешанные визуальные и инфракрасные изображения важных деталей оказывают помощь в выявлении потенциальных проблем.



Air Compressor –
Full Visible



Air Compressor –
Full Infrared



Air Compressor –
AutoBlend™ Mode

* По сравнению с промышленными моделями тепловизоров в том же ценовом диапазоне, на основе MSRP

на 1 мая 2014 года.

Detailed specifications

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	Ti125	Ti110	Ti105	Ti100	Ti95	Ti90
Key features						
IFOV (spatial resolution)	3.39 mRad				5.6 mRad	
Resolution	160x120 (19,200 pixels)				80x80 (6,400 pixels)	80x60 (4,800 pixels)
Field of view	22.5 °H x 31 °V				26 °H x 26 °V	19.5 °H x 26 °V
Wireless connectivity	Yes					
Fluke Connect™App compatible	Yes, with included wireless SD card (where available)					
CNX™ Wireless System	Yes (where available)				—	
IR-Fusion® technology						
AutoBlend™ mode	Yes	Yes (Mid IR Mode)		—		
Picture-In-Picture (PIP)	Yes	PIP (1.2 m (4 ft) to 4.6 m (15 ft))		—	PIP (46 cm (18 in) and beyond)	—
Focus system	IR-OptiFlex™focus system 15 cm (6 in) and beyond		Fixed focus 122 cm (48 in) and beyond		Fixed focus 46 cm (18 in) and beyond	
Ruggedized display	3.5 inch diagonal (portrait format)					
Rugged, ergonomic design for one-handed use	Yes					
Thermal sensitivity (NETD)	≤ 0.10 °C at 30 °C target temp (100 mK)					≤ 0.15 °C at 30 °C target temp (150 mK)
Enhanced Sensitivity w/TiR™ mode	≤ 0.08 °C at 30 °C target temp (80mK)			—		
Temperature measurement range (not calibrated below -10 °C)	-20 °C to +350 °C (-4 °F to +662 °F)	-20 °C to +250 °C (-4 °F to +482 °F)				
Level and span	Smooth auto and manual 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					
Minimum span (in auto mode)	5 °C					
Built-in digital camera (visible light)	2 megapixel industrial performance			None - IR Only	2 megapixel industrial performance	
Frame rate	9 Hz or 30 Hz versions			9 Hz only		
Laser Pointer	Yes				—	
Torch	Yes				—	
Data storage and image capture						
Extensive SD memory system	Removable 8 Gb SD memory card and 8 Gb wireless SD card (where available); direct download via USB-to-PC connection					
Image capture, review, save mechanism	One-handed image capture, review, and save capability					
File formats image	Non-radiometric (.bmp) or (.jpeg) or fully-radiometric (.is2); No analysis software required for non-radiometric (.bmp, .jpg) files					
Memory review	Thumbnail view navigation and review selection					
Software	SmartView® software, Fluke Connect™, and SmartViewMobile App—full analysis and reporting software					
Export file formats with SmartView® software	BMP, DIB, GIF, JPE, JFIF, JPEG, JPG, PNG, TIF, and TIFF					
Voice annotation	60 seconds maximum recording time per image; reviewable playback on camera	—				
IR-PhotoNotes™	Yes (3 images)	—				
Standard video recording	Yes (AVI with MPEG encoding, up to 5 minutes)	—				
Radiometric video recording	Yes	—				
Streaming video	Streaming via USB to PC	—				
File formats video	Non-radiometric (MPEG - encoded .AVI) and fully-radiometric (.IS3)	Non-radiometric (MPEG - encoded .AVI)	—			
Battery						
Batteries (field-replaceable, rechargeable)	Two lithium ion smart battery packs 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 (assumes 50 % brightness of LCD and average usage)					
Battery charge time	2.5 hours to full charge					

	Ti125	Ti110	Ti105	Ti100	Ti95	Ti90
Battery						
AC battery charging system	Two-bay ac battery charger (110 V AC to 220 V AC, 50/60 Hz) (included), or in-imager charging. AC mains adapters included in 9 Hz versions. Optional 12 V automotive charging adapter		In-imager charging. AC mains adapters included in 9 Hz versions. Optional two-bay ac battery charger (110 V AC to 220 V AC, 50/60 Hz) or optional 12 V automotive charging adapter.			
AC operation	AC operation with included power supply (110 V AC to 220 V AC, 50/60 Hz). AC mains adapters included.					
Power saving	User selectable sleep and power off modes					
Temperature measurement						
Accuracy	± 2 °C or 2 % (at 25 °C nominal, whichever is greater)					
On-screen emissivity correction	Yes (both number and table)					
On-screen reflected background temperature compensation	Yes					
On-screen transmission correction	Yes		—			
Color Palettes						
Standard Palettes	8: Ironbow, Blue-Red, High-Contrast, Amber, Amber Inverted, Hot Metal, Gray scale, Grayscale Inverted		7: Ironbow, Blue-Red, High-Contrast, Amber, Hot Metal, Grayscale, Gray scale Inverted	4: Ironbow, Blue-Red, Amber, Grayscale	6: Ironbow, Blue-Red, High-Contrast, Amber, Hot Metal, Grayscale	3: Ironbow, Blue-Red, Grayscale
Ultra Contrast™ Palettes	8: Ironbow Ultra, Blue-Red Ultra, High-Contrast Ultra, Amber Ultra, Amber Inverted Ultra, Hot Metal Ultra, Grayscale Ultra, Grayscale Inverted Ultra	3: Ironbow Ultra, Blue-Red Ultra, Grayscale Ultra	—			
General specifications						
Color alarms (temperature alarms)	High temperature, low temperature, isotherm	High temperature, low temperature	High temperature	—		
Infrared spectral band	7.5 µm to 14 µm (long wave)				9 µm to 15 µm (long wave)	
Operating temperature	-10 °C to +50 °C (14 °F to 122 °F)					
Storage temperature	-20 °C to +50 °C (-4 °F to 122 °F)					
Relative humidity	10 % to 95 %, non-condensing					
Center-point temperature measurement	Yes					
Spot markers	User selectable hot spot and cold spot markers, 3 user definable spot markers on camera and in Smartview® Software	3 user definable spot markers on camera and in Smartview® Software		Hot and cold spot markers		—
Center box (MIN-MAX-AVG)	Expandable-contractable measurement box with MIN-MAX-AVG temp				Fixed-size measurement box with MIN-MAX-AVG temp	
Safety standards	CSA (US and CAN): C22.2 No. 61010-1-04, UL: UL STD 61010-1 (2nd Edition), ISA: 82.02.01					
Electromagnetic compatibility	EN 61326-1:2006 IEC 61326-1:2005					
C Tick	IEC/EN 61326-1					
US FCC	EN61326-1; FCC Part 5					
Vibration	2G, IEC 68-2-6					
Shock	25G, IEC 68-2-29					
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 (battery included)	0.726 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					
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					

FLUKE®

Ordering information

FLK-Ti125 9HZ Industrial-Commercial Thermal Imager
 FLK-Ti110 9HZ Industrial-Commercial Thermal Imager
 FLK-Ti105 9HZ Industrial-Commercial Thermal Imager
 FLK-Ti100 9HZ General Use Thermal Imager
 FLK-Ti95 9HZ General Use Thermal Imager
 FLK-Ti90 9HZ General Use Thermal Imager

Included with product

Thermal imagers are shipped with ac power adapter, lithium ion smart battery (Ti125 includes 2 each—other models 1 each), USB cable, SD memory card, hard carrying case (Ti125, Ti110, Ti105, Ti100 only), soft transport bag, adjustable hand strap (except Ti90), printed users manual in English, Spanish, French, German and Simplified Chinese, others on CD, SmartView® software and warranty registration card. Ti125 model also include a two-bay charging base and a multi-format USB memory card reader. Fluke Connect wireless SD card is included with purchase in certain countries, but shipped separately.

Optional

FLK-FC-SD 8GB Fluke Connect Wireless SD Card (where available)
 FLK-TI-VISOR2 Sun Visor
 FLK-TI-TRIPOD2 Tripod Mounting Accessory
 BOOK-ITP Introduction to Thermography Principles Book
 FLK-TI-SBP3 Additional Smart Battery
 FLK-TI-SBC3 Additional 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-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.



Built with
**FLUKE
 CONNECT™**

**Смотри. Сохраняй. Делись.
 Все процессы не покидая объекта.**

Fluke Connect™ является лучшим приложением для удаленной связи связи с вашей командой - не покидая объекта.

Более чем 20 подключаемых инструментов, позволяют уверенно диагностировать и решать возникающие проблемы. Работать никогда не было проще. Скачайте бесплатное приложение сегодня экономьте время и повысьте производительность.

Download the app at:



Smart phone wireless service and data plan not included with purchase.



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 Ti400 series with LaserSharp Auto Focus.

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