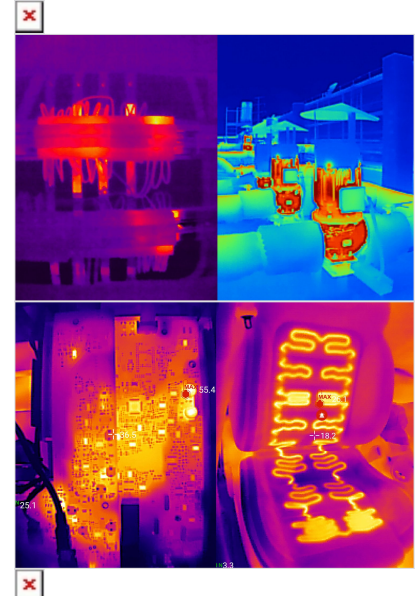


TECHNICAL DATA

Fluke iSee™ Mobile Thermal Camera - TC01A/TC01B



Key features

- 256 x 192 pixels, detailed image quality, and 25 Hz frame rate for smooth video recording
- Up to 550 °C (1022°F), suitable to use in many applications
- 50 mK (0.05 °C) thermal sensitivity for fine differences and $\pm 2\%$ or ± 2 °C accuracy to ensure reliable results
- Customize image view with more than 10 standard or custom color palettes
- Compact design as light as 22 g

[Download the Fluke iSee™ APP](#)

Note: For the 25Hz version of the iSee camera, there is a trade compliance implication, as an end-user statement is needed for the export license application.

**The functions are slightly different on the Android and iOS version. Please refer to the actual APP.*

Product overview: Fluke iSee™ Mobile Thermal Camera - TC01A/TC01B

Experience fast and easy inspections on the go with Fluke iSee™ Mobile Thermal Camera, weighing just 22g. It takes only a second to start using. The wide temperature measurement range, up to 550°C (1022°F), makes it suitable for various applications, including inspecting electrical cabinets, identifying HVAC issues, and installing underfloor heating. Fluke iSee boasts professional-grade image quality, comparable to high-end thermal cameras, with a 256 x 192 pixel thermal resolution and smooth video recording at a 25 Hz frame rate. Additionally, our software offers comprehensive spot, line, and area temperature analysis for precise diagnostics.

Detailed image quality comparable to professional thermal imagers

- 256 x 192 pixels, detailed image quality
- -10 to 550 °C (14 to 1022 °F) range, covering wide applications
- 50 mk (0.05 °C) thermal sensitivity for fine screening
- $\pm 2\%$ or ± 2 °C (3.6 °F) accuracy, reliable and stable
- 25 Hz frame rate, smooth video without lag
- More than 10 standard and custom color palettes to achieve a variety of personalized images

Full temperature range analysis

- Real-time high and low-temperature capture, without missing any details
- Adjustable emissivity to cope with different materials
- Comprehensive temperature analysis for spot, line and area, professional-grade thermal imaging software
- Real-time temperature alarm, timely response, and handling
- Unattended automatic time-lapse photography
- Infrared and visible light image comparison for locating, comparing, and archiving

Real-time image sharing, communication without barriers

- Real-time image and video sharing and management, fast and efficient communication
- It is easy to add image annotations, and communication without barriers

Small and portable, it takes a second to get started

- Compact design as light as 22 g (0.78 oz), perfect for your mobile phone size
- The iSee™ is made of high-quality aluminum material for the airway, with uniquely treated and laser-etched surface
- 1-meter drop test, IP54 ingress protection, Fluke durability
- Optimized Fluke iSee™ application interfaces and menus with professional operating experience make it easy to access all functions

Specifications: Fluke iSee™ Mobile Thermal Camera - TC01A/TC01B

	TC01A	TC01B
Performance Specifications		
IR resolution	256 x 192	
Pixel size	12 μ m	
Temperature range	-10 °C to 550 °C/14 °F to 1022 °F	-20 °C to 550 °C/-4 °F to 1022 °F
Temperature accuracy	$\pm 2\%$ of rdg or ± 2 °C/3.6 °F, whichever is greater (@ 23 °C ± 5 °C/73.4 °F ± 9 °F ambient temperature)	
Temperature measurement distance	0.25 m to 5 m (* -20 μ /-4 °F to 10 μ /50 °F, only for 0.25 m to 3 m)	
Frame rate	9 Hz or 25 Hz models	25 Hz
Warm-up time	1 minute	

Focal length	Fixed focal length: 3.2 mm	
Shutter mode	Internal	
Thermal sensitivity (NETD)	50 mK	
Spectral range	8 to 14 μ m	
Field of view (H x V)	56° x 42°	
Spatial resolution	3.81 mrad	
General Specifications		
USB interface	Type-C	Lightning
Operating temperature	0 \square to 40 \square /32 °F to 104 °F	
Storage temperature	-30 \square to 60 \square /-22 °F to 140 °F	
Operating humidity	10 % to 90 % RH, non-condensing	
Power consumption	350 mW (Typical)	200 mW (Typical)
Drop test	1 m/3.3 ft	
Ingress protection	IEC 60529: IP54 (with the protective cover for Type C)	IEC 60529: IP56
Operating altitude	2 000 m/6 562 ft	
Storage altitude	12 000 m/39 370 ft	
Dimensions (L x W x H)	60 x 33.5 x 11.2 mm/2.36 x 1.32 x 0.44 in	
EMC Environment	<p>International IEC 61326-1: Electromagnetic environment for portable equipments CISPR 11: Group 1, Class A Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself. Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances. <i>Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.</i></p> <p>Korea (KCC) Class A Equipment (Industrial Broadcasting and Communication Equipment) Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.</p> <p>United States (FCC) 47 CFR 15 Subpart B. This product is considered an exempt device per clause 15.103.</p>	



Warranty	2 years
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Ordering information



Fluke TC01A

Fluke iSee™ Mobile Thermal Camera - TC01A for Android

-
- Fluke TC01A Mobile Thermal Camera (Part#: 5518338)
 - Packaging Box
 - User's Manual
-

Fluke TC01B

Fluke iSee™ Mobile Thermal Camera - TC01B for iOS (adapter required for iPhone 15)

-
- Fluke TC01B Mobile Thermal Camera (Part#: 5589280)
 - Packaging Box
 - User's Manual
-

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

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10/2024

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