FLUKE ®

The Fluke iSee™ Mobile
Thermal Camera TC01A/TC01B/TC01C

With the Fluke iSee™ Mobile Thermal Camera, temperature can be measured and thermal imaging detection can be carried out anytime and anywhere by conveniently inserting it into the Type C or Lightning interface of a smartphone. It can be widely used in electrical and mechanical inspections, inspection service, HVAC inspection, product R&D and quality control, greatly improving the inspection efficiency.

Detailed Image Quality Comparable to Professional Thermal Cameras

- 256 x 192 pixels, detailed image quality
- Up to 550 °C, covering wide applications
- 50 mk (0.05 °C) thermal sensitivity for fine differences
- ± 2% or ± 2 °C accuracy to ensure reliable results
- 25 Hz frame rate, smooth video without lag
- Customise image view with more than 10 standard or custom colour palettes

Powerful Full Temperature Range Analysis

- Never miss any detail with real-time high and low temperature capture
- Adjustable emissivity to apply with different materials
- Capture images and shoot videos when the temperature exceeds the limit, and capture live scenes automatically
- Comprehensive temperature analysis for 5 spots, 5 lines and 5 areas, supported with professional thermal imaging app
- Real-time temperature alarm for timely response of abnormal conditions
- Automatic time-lapse capture mode, for unattended operation
- Infrared and visible image comparison for locating, comparing and archiving

Real-Time Image Sharing for Fast and Easy Communication

- Share and manage images and videos in real-time, for fast and efficient communication
- Easy to add image annotation for smooth communication
- Automatically generate infrared inspection reports, easy for reporting, archiving and sharing

Small and Portable, Takes Only a Second to Get Started

- Compact design as light as 22 g, perfect for your mobile phone size
- Each iSee™ is made of high quality specially treated aluminium material with laser etched surface
- Up to 1-metre drop test, IP56 (TC01B/TC01C)/IP54 (TC01A) ingress protection for Fluke durability
- Optimised Fluke iSee™ application interfaces and menus, to enhance user experience with easy to access functions

Suitable for Various Models, More Reliable

- The TC01B is equipped with the Lightning interface, the TC01C has the Type C interface, both are compatible with iPhone and iPad*, fully supporting iOS with the Apple MFI Certification obtained.
- The TC01A with the Type C interface is for Android* and HarmonyOS

*Android™ is a registered trademark of Google, Inc
iPhone and iPad are trademarks registered by Apple Inc. in the United States and other countries and regions.

Bring the iSee™

See more...

Find more...

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- **Up to 550 °C, covering wide applications**
- **± 2% or ± 2 °C accuracy to ensure reliable results**
- **25 Hz frame rate, smooth video without lag**

Specifications

	TC01A	TC01B	TC01C
IR resolution	256 x 192		
Pixel size	12 µm		
Temperature range	-10 °C to 550 °C	-20 °C to 550 °C	
Temperature accuracy	± 2% of rdg or ± 2 °C, whichever is greater (@ 23 °C ± 5 °C ambient temperature)		
Temperature measurement distance	0.25 m to 5 m (* -20 ℃ to 10 ℃, only for 0.25 m to 3 m)		
Frame rate	25 Hz		
Warm-up time	1 minute		
Focal length	Fixed focal length: 3.2 mm		
Shutter mode	Internal auto shutter		
Thermal sensitivity (NETD)	50 mK		
Spectral range	8 to 14 µm		
Field of view (H x V)	56° x 42°		
Spatial resolution	3.81 mrad		

General Specifications			
USB interface	Type C	Lightning	Type C
Compatible system	Android and HarmonyOS	iOS	
Operating temperature	0 ℃ to 40 ℃		
Storage temperature	-30 ℃ to 60 ℃		
Operating humidity	10% to 90% RH, non-condensing		
Power consumption	350 mW (Typical)	200mW (Typical)	
Drop test	1 m		
Ingress protection	IEC 60529: IP54	IEC 60529: IP56	
Operating altitude	2000 m		
Storage altitude	12 000 m		
Dimensions (Lx W x H)	60 x 33.5 x 11.2 mm		
Weight	22 g		
EMC Environment			
International	IEC 61326-1: Portable Electromagnetic Environment, CISPR 11: Group 1, Class A		
Warranty	2 years		

Part No.	Description
FLUTC01A	iSee™ Mobile Thermal Camera for Android
FLUTC01B	iSee™ Mobile Thermal Camera for iOS Lightning Interface
FLUTC01C	iSee™ Mobile Thermal Camera for iOS USB–C Interface