

Meet the newest members of the Fluke iSee™ Mobile Series



Fluke iSee™ Mobile Thermal Camera TC03A

For Android™

- 🔍 **Sharper images**
- 🔍 **Smarter inspections**
- 📦 **Effortlessly portable**

See more detail: 384 × 288 resolution, with super resolution up to 768 × 576, delivers the pixel density to pinpoint the heat source with confidence.

Flexible inspection across distances: Adjustable focus lens allows for sharp imaging of close-up to long-range targets.

Advanced analysis and diagnostics: Integrated tools let you analyze images with automatic calculation of 3-phase temperature difference and over-temperature alarm.

Connected workflow with Fluke iSee™ app: One-click reports, generated on site and sent to the team, keep communication streamlined.

Compact and field-ready: Lightweight, USB-C plug-and-play, and rugged IP54 design for dependable performance in demanding industrial environments.

Fluke iSee™ Mobile Acoustic Camera ii01

For Android™

- 🔊 **Spot leaks**
- ⌚ **Detect faster**
- 📶 **Share anywhere**

Advanced acoustic imaging: SoundMap™ technology visualizes sound, so you can see the source of compressed air and gas leaks and assess air tightness.

Broad frequency range: Covers 2 kHz to 48 kHz for reliable detection across a wide range of industrial applications.

Instant insights: One key Leak Mode technology quickly identifies leaks, while a real-time dB reading supports a confident assessment on the spot.

Seamless sharing: Capture images and videos in the Fluke iSee app, then share them right from your phone.

Compact and durable: Weighing just 50 g, the ii01 slips into a pocket and plugs straight into your phone via USB-C. IP54 rated, no complex setup required.



Fluke iSee™ Mobile Series TC models



TC01A



TC03A / TC03A Pro

Performance specifications		
Compatible operating system	iOS, Android	Android
Frame rate	9 Hz, 25 Hz	9 Hz, 50 Hz
Thermal Sensitivity (NETD)	50 mK	50 mk (9 Hz), 45 mK (50 Hz)
Resolution	256 x 192	384x288
Super Resolution	-	Yes, up to 768 x 576
Temperature range	-10 °C to 550 °C	-20 °C to 550 °C
Focal length	3.2 mm	10.5 mm
Focusing mode	Fixed	Manual
Nonuniformity Correction (NUC)	Manual / Auto	Manual / Auto
Field of View (FOV)	56° x 42°	25°x19°
Spatial Resolution (IFOV)	3.81 mrad	1.14 mrad
3-phase temperature difference	-	Calculated automatically and displayed in real time
Customized color palette	Yes	Yes
Over-temperature area alarm	Yes	Yes
Generate report	Yes	Yes
Share report	Yes	Yes
General specifications		
USB Interface	Type C	
Operating system supported	Android and HarmonyOS	
Operating temperature	0 °C to 40 °C	
Storage temperature	-30 °C to 60 °C	
Operating humidity	10% to 90% RH, non-condensing	
Power consumption	350 mW (Typical)	700 mW (Typical)
Ingress protection	IEC 60529: IP54 (with the protective cover for Type-C)	
Operating altitude	2000 m	
Storage altitude	12000 m	
Dimensions (L x W x H)	60 mm x 33.5 mm x 11.2 mm	60 mm x 36 mm x 28 mm
Weight	22 g	55 g
Warranty	2 years	

Fluke iSee™ Mobile Series Fluke ii01



Fluke ii01

Performance specifications	
Microphones	16 high-precision MEMS sensors
Frequency band	2kHz to 48kHz
Detection range	0.50 m to 50 m (based on site conditions)
Field of view (H x V)	50° x 38°
Frame rate	20 Hz
Microphone sensitivity	-38 dBV
Microphone signal-to-noise ratio	73 dBA
Visible lens resolution	2 MP
Acoustic image	SoundMap™ image
Quick leak detection mode	Leak mode enabled: Frequency band locks at 37.4 kHz to 42.6 kHz Leak mode disabled: Frequency band selection through manual slider
dB value of the target center point	Yes, it can be enabled or disabled
Built-in digital camera (visible light)	
Visible image resolution	2 MP
Focus distance	0.50 m to infinity
Field of view (H x V)	50° x 38°
Image format	JPG, MP4 (up to 5 minutes)
Color palettes	Ironbow, Blue-Red and Grayscale
Palette: Color blending	Yes, 0% ~ 100 %
Customized watermark	Image or English character watermarks
General specifications	
Interface	Type C / USB-C
OS supported	Android / HarmonyOS
Operating temperature	0 °C to +40 °C
Storage temperature	-30 °C to +60 °C
Operating humidity	10% to 90% RH, non-condensing
Operating altitude	Up to 2000 m
Storage altitude	Up to 12000 m
Power consumption	1.2 W (Typical)
Ingress protection	IEC 60529: IP54
Size (L x W x H)	61 x 50 x 12 mm
Weight	50 g
Warranty	2 years
EMC Environment	
International	IEC 61326-1: Electromagnetic environment for portable equipment CISPR 11: Group 1, Class A Group 1: Equipment intentionally generates and/or uses conductive-coupled RF energy, which is necessary for its internal operation.
	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.
	Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.
Korea (KCC)	Class A Equipment (Industrial Broadcasting & Communication Equipment) Class A: Device 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.
America (FCC)	47 CFR Part 15 Subpart B This product is considered an exempt device per clause 15.103.

Software



Fluke iSee™ application

Simplified user interface makes it easy to take images and videos, capture abnormal sounds, and fast communication through quick share.

How to download the Fluke iSee™ application*



Download the Fluke iSee mobile camera app from the Google Play Store.

* Android™ 12 / HarmonyOS 2.0 and above are supported, and the OTG feature needs to be enabled on the smart device

Ordering information

Fluke-ii01 Acoustic Camera for Android		
	Model number	6163245
	Includes	Fluke ii01 Acoustic Camera for Android, Soft protective case, Quick Reference Guide
Fluke-TC03A Thermal Camera for Android 9 Hz / 50 Hz		
	Model number	6125328 (9 Hz), 6125550 (50 Hz)
	Includes	The TC03A Mobile Thermal Camera, Soft protective case, User manual
Fluke-TC01A/B/C Thermal Camera		
	Model number	5518338
	Includes	The TC01A/B/C Mobile Thermal Camera, User manual

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