



TC005

Precision for Professional Inspection.

The TC005 is a 3.5-inch professional thermal camera built for precise, measurable inspections. Featuring 256×192 IR resolution with TISR-supported image processing bumping it to an effective 512×384, it delivers clear thermal detail for electrical, industrial, and technical work. An integrated visible-light camera and built-in laser distance measurement provide added context and accuracy during inspections.

Features

- **Clear Imaging:** 256×192 IR resolution with ≤40 mK thermal sensitivity. Built-in TISR processing enhances image clarity and detail to 512×384.
- **Thermal and Visible Imaging:** Integrated 2 MP visible camera provides clear visual context alongside thermal imaging, while the built-in LED supports inspections in low-light environments.
- **Built-In Laser Distance Measurement:** Measures distances up to 4 m to provide accurate inspection reference.
- **Wireless Connectivity:** Built-in Wi-Fi enables fast data transfer and compatibility with the TopInfrared mobile app and TopView PC software for analysis and reporting.
- **Large, Easy-to-Read Display:** 3.5-inch screen with enhanced 640×480 resolution for easier image review.
- **Durable Design:** IP54-rated and 2 m drop-tested, with a protective hard carrying case for reliable and convenient field use.

Specs

- Infrared Resolution: 256×192
- Visible Resolution: 2 MP
- Refresh Rate: 25 Hz
- Spectral Range: 8–14 μm
- Pixel Size: 12 μm
- Thermal Sensitivity (NETD): ≤ 40 mK
- Field of View (FOV): 40°×30°
- Instantaneous Field of View (IFOV): 2.79 mrad
- Temperature Measurement Range: -4°F to 1022°F (-20°C to 550°C)
- Measurement Accuracy: ±2°C or ±2% of reading (whichever is greater)
- Temperature Resolution: 0.1°C
- Internal Storage: 64 GB eMMC
- Battery Capacity: 5,000 mAh
- Operating Time: Up to 8.5 hours
- Software Compatibility: TopInfrared (Mobile), TopView (PC)

What's In The Box

- TC005
- Universal Travel Adapter
- USB Cable (USB-A to USB-C)
- User Manual
- Carrying Case
- Product Certificate
- Calibration Certificate

