

INFRARED THAT FITS IN YOUR POCKET

DURABLE, COMPACT, AND PRECISE

The Pivot-IR is a pocket-sized thermal imaging device designed for identifying and diagnosing hidden faults in hard-to-reach areas. Its compact size and ergonomic design allows users to easily survey vents, manholes, and other tight spaces, enabling the quick localization of hidden faults. Automatic alarms notify users when temperature thresholds are exceeded, ensuring timely intervention. The alarm snapshot feature captures images when thresholds are exceeded, facilitating further analysis and documentation. Equipped with Wi-Fi support, interval photography, and real-time video streaming, the Pivot-IR offers unparalleled convenience and functionality. Create high-quality PDFs using the ConnectIR iOS mobile application.



Pivot-IR



UNMATCHED ACCESSIBILITY

Measuring at just 142 mm x 76 mm x 19 mm (5.56" x 2.99" x 0.75"), the Pivot-IR is perfectly designed to fit in your pocket, ensuring portability without compromising on performance. Its key feature, a 90° rotating lens, provides immediate access to even the most challenging areas, allowing users to locate and identify hidden faults quickly and efficiently. The 256 x 192 detector ensures detailed thermal imaging, providing a comprehensive view of the inspected area.



RUGGED AND RELIABLE

The Pivot-IR was specifically designed to hold up in the toughest, most demanding work environments. Despite its compact size, the Pivot-IR's IP54 rating makes it durable against dirt, dust, and other non-corrosive materials. With its compact size, exceptional accuracy, durability, and advanced features, it is the ideal solution for professionals in various industries seeking to uncover hidden faults and make accurate diagnoses in challenging environments.



EXTREME PRECISION

ICI's Pivot-IR provides precise temperature readings within $\pm 2^{\circ}\text{C}$ ($\pm 3.6^{\circ}\text{F}$) or $\pm 2\%$, whichever is greater. With its built-in temperature analysis features users can rely on the Pivot-IR to provide a precise diagnosis, regardless of the application. The Pivot-IR excels in measuring high temperatures, with a range from -20°C to 550°C (-4°F to 1022°F). Voice annotation capabilities allow for unlimited voice notes with text, providing additional context and enhancing the documentation process.



The Pivot-IR is a pocket-sized thermal imager that measures high temperatures ranging from -20°C to 550°C (-4°F to 1022°F). Discover hidden issues using the 256 x 192 detector and the 90° rotating lens with automatic screen rotation to inspect hard to reach places. Radiometry is accurate to $\pm 2^\circ\text{C}$ ($\pm 3.6^\circ\text{F}$) or $\pm 2\%$ for spot on data capture. Features Wi-Fi support, automatic alarms, and real-time infrared video streaming.

Features

- High-temperature measuring
- Alarm threshold settings and alarm snapshots
- Interval photography to capture images over time
- ConnectIR iOS app for PDF report generation
- Unlimited voice annotation, text available
- Central spot, hot spot and cold spot tracing
- 10 spots/10 lines/10 areas of temperature analysis
- Automatic/manual file naming
- Touchscreen, 3.5" color
- 2 m (6.56') drop protection
- Wi-Fi support
- Automatic screen rotation
- Power management
- Small size, light weight

Applications

- Overheating fuses
- Plumbing/Appliance repair
- Air leak detection
- Transportation/Automotive
- HVAC/AC maintenance
- Home/building Inspections
- General maintenance

Accessories

- USB Type-C Cable
- 1/4"-20 tripod support (built-in)
- Soft carry case



Pivot-IR

Specifications

- **Pixel Resolution:** 256 x 192
- **Accuracy:** $\pm 2^\circ\text{C}$ ($\pm 3.6^\circ\text{F}$) or $\pm 2\%$
- **Temperature Range:** -20°C to 550°C (-4°F to 1022°F)
- **Operation Range:** -10°C to 50°C (-14°F to 122°F)
- **Storage Range:** -20°C to 70°C (-4°F to 158°F)
- **Detector Array:** UFPA (VOx)
- **Spectral Range:** 8 μm to 14 μm
- **Pixel Pitch:** 12 μm
- **FOV:** 56° x 42°
- **IFOV:** 3.75 mrad
- **Focal Length:** 3.2 mm
- **Focus:** fixed
- **Measurement Distance:** 0.5 m - 4 m, step size 50 cm (1.6' - 13.12', step size 9.84")
- **Spectral Band:** 8 μm to 14 μm
- **Thermal Sensitivity (NETD):** < (40 mK) 0.04°C at 30°C (86°F)
- **Frame Rate:** 25 Hz
- **Humidity:** $\leq 95\%$ non-condensing
- **Pixel Operability:** > 99 %
- **Drop Rating:** 2 m (6.56')
- **Dimensions (without lens):**
142 mm x 76 mm x 19 mm (L x W x D ± 0.5 mm)
(5.56" x 2.99" x 0.75" (L x W x H ± 0.02 "))
- **Weight:** 210 g (7.41 oz)
- **Power:** 5V DC 2A
- **Battery:** internal, rechargeable
- **Operation Time:** 6 hours, continuous
- **Charging Time:** 3 hours
- **Power Management:** adjustable
- **Interface:** USB Type-C
- **Video:** UVC streaming, real-time infrared (with data)
- **Image Format:** IR JPG (with data) + visible JPG
- **Image Polarity:** 7 options
- **Image Modes:** IR, fusion (ICI Dual Vision), visible, picture-in-picture
- **Memory:** 16 GB, internal
- **Screen:** 3.5" color touchscreen, 960 x 640
- **Brightness:** adjustable
- **Digital Camera:** 1920 x 1080, 2 MP
- **Zoom:** 2x, 4x
- **Emissivity Correction:** 0.01 to 1.0
- **IP Rating:** IP54
- **Language:** multi-language
- **Light:** LED, 200 W
- Automatic alarms
- Alarm snapshot (duration and frequency)
- Interval photography (duration and frequency)
- Internal non-uniformity correction (NUC)
- Unlimited voice annotation, text available
- Wi-Fi support