

TRACE IR 25 THERMAL MONOCULAR



The handheld ICI Trace IR 25 Monocular grants clear 384 x 288 resolution thermal imaging to quickly detect objects of interest. Its rugged, IP66-rated housing and single-hand operated controls are perfect for all-weather reconnaissance as well as weapon sights requirements. Includes manual focus and diopter adjustment knob for comfort and viewing convenience. 4 hours of continuous operation time and multiple charging options allows the device to be used in remote places. The rugged design has a 1 m (3.28 ft) drop test rating. Features wireless network support for reviewing images and playback. Great for demanding outdoor environment applications including scouting, hunting, search and rescue, and anti-smuggling.

Features

- Wireless media transfer
- Estimated distance to subject
- Eye relief diopter adjustment knob
- Crosshair & laser indicator
- Photograph and video recording
- Hot spot tracking
- Waterproof and dustproof
- 1 m drop resistance
- Color OLED display
- Electronic zoom
- USB charging
- Lightweight, portable

Applications

- Scouting
- Hunting
- Animal conservation
- Population control
- Cattle health
- Search and rescue
- Marine/maritime
- Handheld applications

Accessories

- Handstrap
- USB charger
- 1/4"-20 tripod support (built-in)

Specifications

- **Pixel Resolution:** 384 x 288
- **Magnification:** 1.64x
- **Operation Range:** -20 °C to 50 °C (-4 °F to 122 °F)
- **Storage Range:** -40 °C to 60 °C (-40 °F to 140 °F)
- **Detector Array:** UFPA (VOx)
- **FOV:** 14° x 10.5°
- **Focal Length:** 25 mm
- **Focus:** manual
- **Thermal Sensitivity (NETD):** < 0.04 °C at 30 °C (40 mK)
- **Frame Rate:** 50 Hz
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Drop Test:** 1 m (3.28 ft)
- **Shock/Vibration:** 25 G/2 G
- **Dimensions (without lens):**
200 mm x 71 mm x 71 mm (L x W x D ± 0.5 mm)
(7.88" x 2.80" x 2.80" (L x W x H ± 0.02"))
- **Power:** DC 5V, 2A
- **Battery:** Li-ion, rechargeable
- **Operation Time:** 4 hours continuous
- **Charging Time:** 4 hours continuous
- **Charging Options:** USB and power bank support
- **Weight (with battery):** < 460 g (1.01 lbs)
- **Interface:** Micro-USB
- **Video Out:** PAL
- **Image Out:** live transmission through Wi-Fi
- **Image Polarity:** 3 options
- **Image Modes:** IR, enhanced, picture-in-picture
- **Memory:** built-in 32 GB
- **Screen:** color OLED, 1440 x 1080
- **Diopter Adjustment:** adjustable -5D ~ 5D
- **Zoom:** 2x, 4x
- **IP Rating:** IP66
- **Waterproof:** Yes
- **Submersible:** No
- Wireless network support

Measurement Distance		
Subject	Detection	Recognition
Human	700 m (2,297 ft)	350 m (1,148 ft)
Car	1100 m (3,609 ft)	560 m (1,837 ft)