

TRACE IR 19 THERMAL MONOCULAR

The ICI Trace IR 19 Monocular is a 384 x 288 resolution handheld thermal imaging monocular with a 19 mm lens. Small in size and lightweight, our uncooled monocular is portable and easy to operate. Its waterproof, rugged design makes the Trace IR 19 fit for all-weather reconnaissance and applications including scouting, hunting, search and rescue, and anti-smuggling. Also useful for weapon sights requirements. Includes an brightness/eye relief adjustment knob and a 640 x 480 color LCD display for comfort and viewing convenience. With a drop resistance of 1 m and 5 hours of continuous operation, the Trace IR 19 Monocular can go anywhere your job or hobbies take you.

Features

- Superb imaging
- Color LCD display
- Waterproof
- 1 m drop resistance
- Hot spot tracking
- Eye relief adjustment knob
- Small size, portable
- Lightweight
- Electronic zoom
- USB charging
- Crosshair & laser indicator

Applications

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

Accessories

- Handstrap
- USB charger

Specifications

- **Detector Array:** UFP Microbolometer
- **Pixel Pitch:** 25 μ m
- **FOV:** 29.0° x 71.7°
- **Focal Length:** 19 mm
- **Measurement Distance:** > 1 km
- **Pixel Resolution:** 384 x 288
- **Spectral Band:** 8 μ m to 14 μ m
- **Thermal Sensitivity (NETD):** < 0.1 °C at 30 °C (100 mK)
- **Frame Rate:** 50 Hz
- **Operation Range:** -20 °C to 50 °C
- **Storage Range:** -40 °C to 60 °C
- **Humidity:** 5% to 95% non-condensing
- **Pixel Operability:** > 99 %
- **Drop Test:** 1 m
- **Shock/Vibration:** 25 G/2 G
- **Dimensions (without lens):** < 180 mm x 70 mm x 70 mm (L x W x H \pm .5 mm)
- **Power:** DC 5V/2A
- **Battery:** Li-ion, rechargeable
- **Operation Time:** 5 hours continuous
- **Weight (with battery):** < 500 g
- **Interface:** Micro-USB
- **Video Out:** PAL
- **Image Polarity:** white hot, black hot, red hot
- **Screen:** color LCD, 640 x 480
- **Zoom:** 2x, 3x, 4x
- **IP Rating:** IP 66
- **Waterproof:** Yes
- **Submersible:** No



Trace IR 19

ICI cameras all fall under US Federal Law and Export Control.