

# IRIS

# IRIS250

## Professional Thermal Imaging Hand Held Scope



### Key Features:

- 400x300 Resolution / 17µm / 19mm Lens (25mm Option)
- 50Hz Refresh Rate for Realtime Imaging
- 5 x Colour Palettes
- Laser Pointer
- Composite Video Output (PAL / NTSC)
- Built In WiFi to View & Store Video & Photos on Smartphone or Tablet
- 5 Hour Battery Life
- Digital Zoom x2 / x4
- Adjustable Viewfinder
- IP66 Environmental Protection

### Applications:

- Navigation & Situational Awareness
- Man Over Board Searches
- Law Enforcement
- Search & Rescue
- Hunting & Outdoor Activities
- Security Patrols
- Engineering

See beyond the visible spectrum with the latest generation of IRIS250 Thermal Hand-scopes, small enough to fit in your pocket yet boasting a feature set that blows the competition out of the water.

With an impressive 400x300 resolution at 17µm pitch a premium quality 19mm lens and 50Hz refresh rate, the camera delivers smooth, crisp night vision displayed onto the scopes high bright screen.

A composite video output is built in to relay footage onto an auxiliary screen and WiFi is also provided to stream live video onto your smart phone or tablet. Download the cameras App and you can also store video footage and snapshots on your device. Distant objects can be magnified with the cameras x2 and x4 digital zoom feature and a cross hair overlay is also available. In addition to the high resolution sensor, advanced edge detection processing is employed to further enhance the clarity of the image and the camera features selectable colour palettes which help to accentuate differences in scene temperature to make objects easier to detect.

As you would expect from a product of this quality, the camera is extremely rugged with a rubberised over-mould to protect from drops, shock and vibration and an ingress protection rating of IP66. The built in battery can last over 5 hours between charges and is recharged via a mini USB port (charger supplied).

As well as a professional night vision imager, the IRIS250 also features a long range laser pointer to help identify and point out the position of objects and targets.

The IRIS250 is a great all round night vision tool for marine use, hunting and outdoor leisure, law enforcement and emergency services.

### Specifications:

Detector Resolution	400 x 300 @ 17µm	Operation Time	>5 Hours
Spectral Range	8µm ~ 14µm	Charging	via USB power adapter, max 10W
Lens	19mm: 19.0 x 14.5° / 25mm (option) 14.6 x 11.1°	Video Output	Composite Video (PAL / NTSC) via MCX Connector
Screen	Full Colour 0.2" LCOS	Operation Temperature	-20 ~ 50 °C
Viewfinder	Monocular, diopter - adjustable ± 4	Storage Temperature	-30 ~ 60 °C
Refresh Rate	50Hz	Humidity	10% ~ 95%
Digital Zoom	x2, x4	Shock	10Hz ~ 150Hz ~ 10Hz 0.15mm IEC60068-2-6 / 1m Drop
Colour Palettes	Black Hot, White Hot, Red Hot 1, Red Hot 2, Red Hot 3	Environmental Protection	IP66
WiFi	Built In	Weight	IRIS250-19: 350g / IRIS250-25: 375g
Battery	Internal Li-Ion Battery, 3.7V.3200mAh	Dimensions	IRIS250-19: 160x67x62mm / IRIS250-25: 168x67x62mm

### Detection

Human (1.8m x 0.5m)	IRIS250-19: 500m / IRIS250-25: 700m
Vehicle (2.3m x 2.3m)	IRIS250-19: 1300m / IRIS250-25: 1700m

### Recognition

Human (1.8m x 0.5m)	IRIS250-19: 300m / IRIS250-25: 350m
Vehicle (2.3m x 2.3m)	IRIS250-19: 500m / IRIS250-25: 700m



IRIS250-25: 25mm Lens Option Model



Face on View with Laser Pointer



Under-side View with MCX Connector for Video Output, USB Charger connector and 1/4" UNC Tripod Fixing Point