

IR518 Monocular Handheld Thermal Imager

**For Detection of Boats & Markers,
Surveillance, Navigation, SAR, Day
or Night in most weather conditions**

Enjoy the comfort of seeing into the dark with the Guide IR518 Thermal Imager. Whether looking for a mooring or an approaching vessel, semi-submerged debris or a fixed structure in the water, the IR518 will give you a crisp picture, day or night and in most weather conditions.

The Model Range Using the latest thermal imaging technology, the infrared detectors produce images based only on heat differentiation - they require no visible light.

The Guide **IR518** comes in 3 versions:

- **IR518A** with 160 x 120 resolution and a 25mm lens
Human (1.7m) detection up to 500m
Boat (2.3m) detection up to 1380m
- **IR518B** with 384 x 288 resolution and a 25mm lens
Human (1.7m) detection up to 500m
Boat (2.3m) detection up to 1380m
- **IR518C** with 384 x 288 resolution and a 50mm lens
Human (1.7m) detection up to 1000m
Boat (2.3m) detection up to 2760m

NB Range will vary dependent on the user, environmental conditions and set up.

Use in total darkness The **IR518** has a 2x digital zoom and adjustable focus to ensure a crisp image in both total darkness and daylight. It can "see through" smoke and easily detects objects hidden in shadows.

Additional Functions Unlike many products in this category, the IR518 features a 50Hz update rate, a selectable colour palette, a white hot/black hot polarity switch, adjustable focus and auto standby for power saving. The innovative "hot spot tracking" function identifies and displays the hottest spot on the display to enable the user to find and track any object on the water.



Video Recording All units have an integral video recorder with a 4Gb SD card for storing video and single frame shots. Video can be downloaded and played back on another device.

Portable, rugged and easy to use Ergonomically designed with only 4 buttons and an "on-screen" menu, the **IR518** is very easy to use. It is lightweight, protected by a rubber armoured sleeve and is rated IP66.

GUIDE



Guide IR 518C

- See in total darkness
- Rugged rubber "armoured" sleeve
- Comfortable strap
- 2x digital zoom
- Colour palette
- White hot/Black hot polarity
- "Hot spot" tracking feature
- Auto standby
- Adjustable focus
- Integral DVR with 4Gb SD card
- Records in PAL format
- No damage from bright sunlight
- AC/DC adaptor



IR518 Monocular Handheld Thermal Imager

Technical Specifications

Detector	IR518-A	IR518-B	IR518-C
Detector Type	Uncooled FPA microbolometer		
Spectral Range	8-14µm		
Detector Pitch	25µm		
Image Resolution (Pixels)	160 x 120	384 x 288	384 x 288
Image Performance			
Lens	25mm f1.0	25mm f1.0	50mm f1.1
Field of View (Degrees)	9.15 x 6.87	21.74 x 16.39	10.97 x 8.24
Focus Range	5m to ∞		
Image Presentation			
Display	LCD Viewfinder , 48mm x 36mm		
Frame Frequency	50Hz		
Digital zoom	2x		
Polarity (Switchable)	White Hot/Black Hot		
Menu Adjustment	Auto/Semi-Auto/Manual Brightness/Contrast		
Colour Palettes	YES		
Standby Mode	Yes		
c/w Auto Eye Activation	Yes		
Manual Focus	Yes		
Video Features			
Video Capture	AVI		
Video Output	PAL		
Still Image Capture	BMP		
Storage - Memory Card (Included)	Removable up to 4Gb SD card		
Interfaces			
Interfaces	Analogue Video Out/USB/RS232		
Physical, Environmental and Power			
Tripod Socket	1/4" Whitworth		
Battery (Included)	4 x AA NiMH Rechargeable		
Battery Operational Time	> 2Hrs Continuous		
Mains Adaptor (Included)	110-240VAC/9VDC		
Operating Temperature (°C)	-20 - +50 (-40 - +60 to Special Order)		
Storage Temperature (°C)	-40 - +60		
Humidity	10% - 95%, non-condensing		
IP Rating	IP66		
Size (mm)	182 x 97 x 68		
Weight (Kg)	0.5 (without batteries)		
Manufacturers Warranty	24 Months		

All units come complete with

Carry Case	1	Power/Video cable	1
Shoulder Strap	4	Rechargeable batteries	4
Wrist Strap	1	110v/240v to 9vDC Adaptor	1
Integral SD Card	1	CD ROM	1
User Manual	1		

Dealer Stamp

N.B. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Range will vary dependent on the user, environmental conditions and set up.

All specifications are believed to be accurate at the time of going to print. No responsibility can be accepted for differences between this specification and the product shipped.



Distributed by:

Eurotask Ltd. Little Meadow, Hambledon Road, Denmead, Hampshire, PO7 6HD, United Kingdom

Tel: +44 (0)23 9226 7755 Email: info@eurotaskltd.com www.eurotaskltd.com