

armstrong optical

IR516 Handheld Bi-ocular Thermal Imager



The 384x288 pixel sensor coupled with a 61mm, f/0.8 lens makes the **IR516** ideal for field imaging use providing a detection range of ~2km (personnel), 3km (vehicle) in even the worst of weather conditions.

The built-in, removable 4Gb SD memory can be used to store either JPEG images or video files and the IP67 encapsulation makes the **IR516** ideal for all search & rescue, security & surveillance and law enforcement applications.

The lightweight, compact and ruggedised design ensures that the **IR516** will survive most activities and become an invaluable tool for image capture and mission reporting.

Imager:

Detector type Uncooled FPA
Spectral range 8 - 12 μ m
Sensor size 384x288 pixels
NETD \leq 80mK

Optics:

Focal length/ f# 61mm f/0.8
Field of view 9° x 6.8°

Image presentation:

Video output PAL, 50Hz
Brightness/contrast Auto/manual
Polarity White hot/ black hot
Electronic zoom X2
Image display 2x OLED viewfinders

Image storage:

Type Removable 4Gb SD card
File format JPEG
Video recording Yes

Power:

Power supply 240V AC adaptor
Operating duration 3hrs continuous

Interfaces:

Video output Analog composite video
Control RS232/422
USB2.0 Image/video transfer to PC

Environmental specification:

Operating temperature -40°C to +60°C
Storage temperature -50°C to +70°C
Humidity 10-95% N/C
Encapsulation IP67

Physical:

Size 195 x 166 x 63mm
Weight 1.5kg (w/o batteries)
Tripod mounting 1/4" - 20