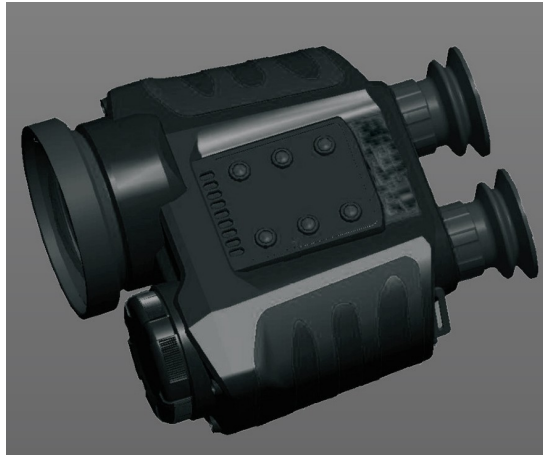


# armstrong optical

## IR516 Handheld Bi-ocular Thermal Imager



The 384x288 pixel sensor coupled with a 61mm or 80mm lens makes the **IR516** ideal for field imaging use providing a detection range of >1km (personnel), >2km (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 $\mu$ m
Sensor size	384x288 pixels
NETD	$\leq$ 80mK

### Optics:

Focal length/ f#	61mm f/0.8	80mm, f/1.0
Field of view	9° x 6.8°	6.87° x 5.15°

### 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
Batteries	Li rechargeable
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