

Rugged Binocular Handheld Thermal Imager

With renewed figure and superior functions, IR516 sets a new standard for small, light weight thermal imaging cameras, which is your ideal choice for day-and-night security surveillance. Thermal image and video storage function stores the detection process as an evidence for review. Well-sealed housing enables IR516 with good encapsulation which fulfills the requirement of tough operation. With all these features, it is essential for public safety, police office and security operations.

Features and Benefits



Live Video recording

Record video on board with date and time info for review and analysis

USB2.0 interface
Data transfer to PC conveniently and fast



Compact design with IP67

Work in harsh environment

Uncooled infrared thermal imaging technology

No need illumination, works in total darkness and any bad visibility situation.



Applications

- Search and rescue
- Security monitoring
- Portable law enforcement
- Border security
- Routine patrols



Specifications

Image Performance	
Detector Type	Uncooled FPA microbolometer
Spectral Range	8-14 μ m
Pitch	384x288
Pixels	25 μ mx25 μ m
NETD	\leq 100mk
Optics	
Lens	61mm/F=0.8 / 80mm/F=1.0
FOV	9.6° x7.2° / 6.87° x5.15°
Focus	61mm / 80mm
Image Storage	
Type	Fixed 2GB / (4GB SD card optional)
File Format	JPG
Image Presentation	
Display	OLED viewfinder
	852 x 600 pixels
	256 level gray
Video Output	PAL
Iframe Frequency	50HZ
Electronic Zoom	x2
Adjust	Auto/Semi-auto Manual brightness/Contrast adjustment
Polarity	Black/White heat
Power System	
AC/DC adapter	100-240VAC/12VDC
Rechargeable Li-Ion Camcorder battery	7.2VDC 2AH
Power dissipation	$<$ 5W
Battery Operating Time	$>$ 2hr
Environmental Parameters	
Operating Temperature	-20°C ~ +50°C (-40°C ~ +60°C optional)
Storage Temperature	-40°C ~ +60°C
Encapsulation	IP67
Interfaces	
Interfaces	Analog video output / USB port/RS232
Physical Characteristics	
Color	Black
Weight	1.5kg
Size	195mmx90mmx160mm

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