

IR2000

Binocular Handheld Thermal Imager

- Portable law enforcement
- Maritime search and rescue
- Border security
- Routine patrols
- Jungle search
- Asset protection



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Technical Specifications



Detector	
Detector material	Uncooled FPA microbolometer
Spectral Range	8~14 μm
Pixels	384x288
Pitch	25 μm x 25 μm
Optics	
Lens	61mm/80mm optional
FOV	9.06° × 6.8° / 6.87° X 5.15°
Image Storage	
Type	Fixed 2GB SD card
File Format	JPG
Video Recording	AVI file
Image Presentation	
Display	OLED viewfinder
	852 × 600 pixels
	256 level gray
Video Output	PAL
Frame Frequency	50Hz
Electronic Zoom	×2
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@25℃
Battery Operating Time	>2hr@25℃
Environmental Parameters	
Operating Temperature	-20℃ ~ +60℃
Storage Temperature	-40℃ ~ +60℃
Encapsulation	IP67
Interfaces	
Interfaces	Analog video output / USB port/RS232
Physical Characteristics	
Color	Black
Weight	1.5kg
Size	195mmx90mmx160mm