



IR516 Series

Handheld Thermal Binocular



Introduce

IR516 Series is your ideal choice for day-and-night observation and surveillance. With all these features, it's an essential tool in wildlife observation, hunting, public safety, police and security operations.

Application

Counter-terrorism / Law Enforcement / Outdoor / Patrol / Search & Rescue / Personal Security

Features and Benefits

- Two detectors for option, normal version 400*300 and high version 800*600
- With the integrating function of taking photo, video and reviewing, which can be output by USB
- Power control, contrast and brightness adjustment, image polarity conversion and 2x digital zoom
- Binocular display, can be contacted with external display device

Specifications

	IR516A	IR516B
Detector		
Detector Resolution	400×300 , 17μm	800×600 , 17μm
Spectral Range	8μm ~ 14μm	8μm ~ 14μm
Lens		
Focus	70mm	
FOV	5.6°×4.2°(±5%)	11.1°×8.31°(±5%)
Working Range		
	Detection Range	Recognition Range
1.8m×0.5m Human	>2km	>1km
2.3m×2.3m Vehicle	>3.3km	>1.9km
Image		
Image Enhancement	Auto image filtering and sharp	
Brightness/Contrast	Auto/Manual	
Polarity	White-hot/black-hot , palette	
Digital Zoom	2×	
Video Storage	Built-in 16GB SD card	
View Finder	OLED 1280×1024, visual acuity	
Interface		
Electrical Interface	power、 video PAL (NTSC can customizable) 、 communication RS232	
Mechanical Interface	1/4 inch standard interface	
Power		
Power Input	12V power adapter or built-in Li-ion battery	
Working Time	≥4h (without changing battery)	
Environment Parameters		
Working Temperature	- 40°C ~ 60°C (Except for display equipment)	
Encapsulation	IP67	
Electromagnetic Compatibility	GJB151A-97	
Physical Characteristics		
Weight	≤1.5kg (including battery)	
Size	≤210mm×170mm×100mm	

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