

Thermal Binocular



Triple Play Features:

- Day/Night Passive Operation
- Compact Uncooled For Field Use
- Microbolometer FPA

Applications:

- Border/Perimeter Patrol
- Forest Fire
- Law Enforcement Agencies
- Day/Night Scouting
- Hunting and Theft



Thermal Binocular

Specifications

Imaging Effect	
Detector Type	Uncooled Microbolometer
Spectral Range	8 ~ 14μm
Array Format	640 x 480
Pixel Size (Pitch)	17μm
NETD(Typical)	< 50mk @ f/1
Frame Rate	30Hz (NTSC) or 25Hz (PAL)
Focal Length of Lens	150mm / 50mm Dual FOV
Field of View (H x V)	Wide, 12.5° x 9.4° (Focal length:50mm) Narrow, 4.2° x 3.1° (Focal length: 150mm)
Power Fact	
Battery Type	Rechargeable Lithium ion battery
Power Consumption	< 15 W
Continue Work Time (battery)	> 4 hours @ 25°C
Ready Time from Standby Mode	<10 second
Ready Time from Power of Mode	< 30 second
External Power Supply	Available (12VDC input)
Mechanical parameter	
Weight:	< 4.5kg (with battery)
Dimension(mm)	312(L)x235(W)x165(H) mm MAX
Mount Adaptor	Standard tripod mounting (1/4-2")
Environment Suitable	
Operating Temperature	-30°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Protect Level	MIL-STD-810E and MIL-STD-461C
Interface	
Video Output	PAL / NTSC
Remote Control	RS232
External Power Input	Port available
Display Spec.	
Type of Viewfinder	800X600, 0.6", OLED
Digital Zoom	2X, 4X
Image Controllability	Brightness and Contrast Control, Image polarity switch, Image enhancement



Distance

For man (1.7m X 0.5m)

Detection: 6.2 Km

Identification: 1.7 Km



For Vehicle (2.3m x 2.3m)

Detection: 11.6 Km

Identification: 3.2 Km



Note: Range Data 50% probability of detection and identification on a clear day, other factors apply

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Specifications are subject to change without prior notice.

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