

Thermal Monocular



Features:

- Day/night passive operation
- Compact uncooled for field use
- Microbolometer

Applications:

- Day/night scouting
- Border & perimeter patrol
- Hunting and theft
- Forest fire



Thermal Monocular

Specifications

Detector Data	
Detector Type	Uncooled Microbolometer
Resolution	384x288
Pixel Pitch	25um
NETD	<50mk
Spectral Range	8~14um
Lens Data	
Focus Length	55mm
FOV	10°x7.5°
Focus	Manual adjustment
Image Performance	
NUC	With shutter
Start-up Time	<15s
Frame Rate	50Hz
Noise Reduction	Digital filtering
Gain /Brightness	Manual adjustment
E-Zoom	2x, 4x
Video Output	NTSC/PAL
Polarity	Black hot/White hot
Viewfinder	OLED 640x480
Image Storage	
Format	MPEG-425mm
Capacity	8G standard (16G/32G/64G optional)
Power Supply	
Input Power	7.2V Li-ion Battery, or external power
Operation time	> 4hrs
Environmental Data	
Operation temperature	-20°C~+55°C
Storage temperature	-30°C~+70°C
Protection	IP65
Physical Data	
Weight	<900 (with battery)
Dimension	225(L)x93(W)x97(H) mm



Distance

For man (1.7m X 0.5m)

Detection: 700m

Recognition: 210m



For Vehicle (2.3m X 2.3m)

Detection: 1050m

Recognition: 380m



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

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Specifications are subject to change without prior notice.

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