

**Thermal Monocular**



**Features:**

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

**Applications:**

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



**Thermal Monocular**

**Specifications**

<b>Imaging effect</b>	
Detector Type	Uncooled Microbolometer
Spectral Range	8 ~ 14µm
Array Format	640 x 480
Pixel Size (Pitch)	17µm
Frame Rate	Up to 50FPS
Field of View	8°×6°
Polarity	White hot and Black hot
Digital Zoom	2X, 4X
View Finder	800 x 600 OLED
<b>Power Fact</b>	
Battery Type	Rechargeable Ni-MH battery
Power Consumption	< 5.5 W
Continue Work Time (battery)	> 6 hours
Ready Time from Stand by Mode	<5 second
Ready Time from Power of Mode	< 1 minute
Input Voltage Range for Battery Charger and Power Adapter	90VAC to 270VAC, 50/60Hz ( 24VDC to 48VDC charging facility available)
Full Charging of Battery Time	< 3 hours
<b>Mechanical parameter</b>	
Weight:	< 1000g
Dimension(mm)	220(L) x 165(W) x 85(H) mm MAX
<b>Environment Suitable</b>	
Operating Temperature	-35°C ~ +55°C
Storage Temperature	-40°C ~ +70°C
Protect Level	IP67; MIL-STD-810F
<b>Interface</b>	
Video Output	PAL or NTSC
Digital Storage Capacity	≥ 16GB (32GB optional)
External Power Input	Port available



**Distance**

For man (1.7m X 0.5m)

Detection: 2100m

Recognition: 600m



For Vehicle (4.01m X 1.875m X 1.54m)

Detection: 4100m

Recognition: 1300m



**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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