

Thermal Monocular



Features:

- **Day/night passive operation**
- **Compact & uncooled**
- **Microbolometer FPA**

Applications:

- **Day/night scouting**
- **Border/perimeter patrol**
- **Hunting and theft**
- **Forest fire fighting**
- **Law enforcement agencies**



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Specifications

Detector type	Uncooled microbolometer
Spectral range	8 ~ 14µm
Pixels	384 x 288
Pitch	25µm
NETD(typical)	< 80mk
Field of view	21.7°×16.4°(25mm fixed lens)
Frame rate	50 FPS
Electronic zoom	2X, 3X, 4X
View finder	OLED
Display resolution	640 x 480
Eye relief	25mm,adjusteble
Image control	Digital zoom, Polarity, Brightness, Contrast , Hot spot tracking
Target locating	Cross hair tracking hottest spot
Battery type	Rechargeable lithium ion battery
Power consumption	< 3.0 W
Battery life	> 5 hours
External power input	DC 5V/ 2A
Weight	< 500g (including battery)
Dimensions	180(L)x70(W)x 70(H) mm
Operating temperature	-20°C ~ +50°C
Storage temperature	-40°C ~ +70°C
Rating	IP66, 1 meter drop



Distance

For man (1.7m X 0.5m)
 Detection: 850m
 Recognition: 280m



For Vehicle (2.3m X 2.3m)
 Detection: 1200m
 Recognition: 370m



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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