

# MFB75

## Day/night Multi-function Binoculars



5 Optical  
Channels



Image  
Fusion



Multiple  
Functions



Intelligent



Light  
Weight



Long Battery  
life



**APM Telescopes**

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# Day/night Multi-function Binoculars

The MFB75 multi-function binocular is an intelligent observation device integrating infrared, low-light and visible light sensors. It has a laser pointer and laser range finder alongside GPS and a digital compass to provide quick and accurate target location. It is ideal for forward observation, border surveillance and target acquisition. The MFB75 also offers image fusion to allow for detailed images day or night. These images or videos can be stored onboard the device, all this in a device weighing less than 2kg.

## FEATURES

### Thermal Channel

Resolution : 640×512, 12μm  
Spectral Band : 8~14μm  
FOV : 6.1°×4.8°

### Color Day Channel

Resolution : 2400×1920, 5.0 MP  
FOV : 12.5°×10.0°~ 3.9°× 3.1°

### Low Light Level Channel

Resolution: 800×600, 8μm  
Low Illumination Capability 0.001 lux  
FOV: 6.8°×5.5°

### Laser Rangefinder

Eye Safe : 1550nm  
Max Measuring Range: ≥5km (human ) 6km (car)  
Measuring Accuracy : 2m

### Location Module

Location Mode : GPS Build in  
Horizontal Location Accuracy (CEP) : 3m  
Elevation Location Accuracy (PE) : 5m

### Digital Magnetic Compass

Azimuth Measurement Range : 0°~360°  
Azimuth Measurement Accuracy : 0.2°(RMS)  
Pitch Angle Measurement Range : -90°~+90°  
Pitch Angle Measurement Accuracy : 0.2°(RMS)  
Inclination Angle Measurement Range : -180°~+180°  
Inclination Angle Measurement Accuracy : 0.3°(RMS)

### Laser Pointer

Wavelength : 830nm, 5mW  
Security level : Class IIIA

### Display

HD 1280×1024 OLED

### Storage

64G 10000 JPG & 4h AVI

### Ocular Lens Diopter

-4~+4

### Weight

≤2.0kg(With Battery)

### Operating Time

≥10h

### Dimension

198×210×105mm

### Interface

External Power In/USB/PAL/RS232  
HDMI  
WIFI

### Operating Temperature

-40℃~+55℃

### IP Grade

IP67



Thermal Mode



Daylight Mode



Fusion Mode



Low Light Mode

### Low Light Level Channel

Low light imaging for day and night

### Laser Pointer

Covert indication of non-visible light

### Thermal Channel

Acquire clear thermal images

### Laser Rangefinder

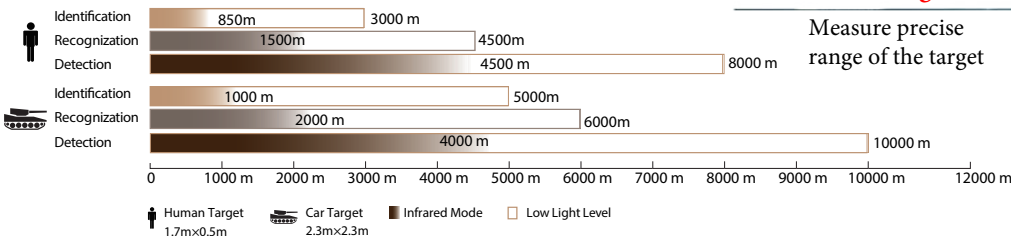
Measure precise range of the target

### Color Day

High-resolution full color imaging provides ultra-log sight distance



## OPERATING DISTANCE



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