

MFBi

Multi-function Binoculars



5 Channels



Image
Fusion



Multiple
Functions



Intelligent



Light
weight



Long battery
life



Multi-function Binocular

The MFBi 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 MFBi 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.

Thermal Channel

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

Color Day Channel

Resolution: 5M Pixels
FOV: 12.5°×10.0°~3.9°×3.1°

Low Light Level Channel

Resolution: 750×600
FOV: 6.8°×5.5°

Laser Rangefinder

Eye Safe: 1550nm
Max Measuring Range: ≥6km
Measuring Accuracy: 2m

Location Module

Location Mode: BD+GPS
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
Security level: Class IIIA

Display

1280×1024 OLED

Storage

10000 BMP&4h AVI

Ocular Lens Diopter

-4~+4

Weight

≤2.0kg (With Battery)

Operating Time

≥10h

Dimension

198×210×105mm

Interface

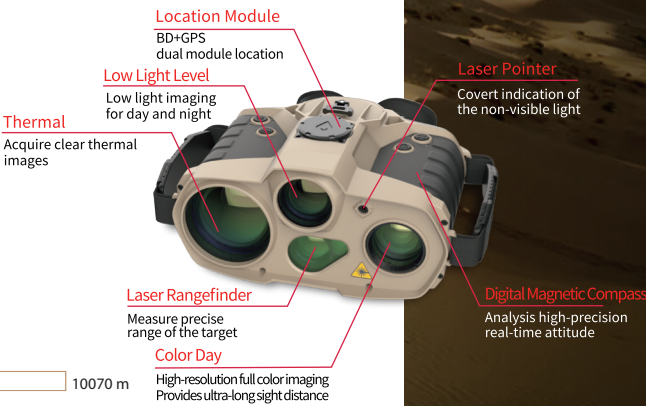
External Power Supply/USB/PAL/RS232
HDMI
WIFI

Operating Temperature

-40°C~+55°C

IP Grade

IP67



Operating Distance

