

# MF-HD

## Multi-function HD Binoculars



HD thermal images



HD color day images



Targeting positioning system



Intelligent



≤1.1kg



≥7h

Lightweight

Long battery life

# Multi-function HD Binoculars

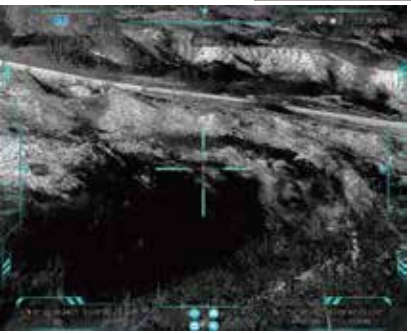
The MF-HD multi-function binocular is a high resolution portable imager and target locator. It consists of an HD thermal detector and an HD colour camera. Accompanying the optical channels are a GPS location module, a digital magnetic compass and a laser rangefinder. This allows for quick and accurate self positioning and target location from a compact and lightweight unit.

### Features

| Item                      | Thermal Imaging Channel                                                                                                                                                                                                                                                           | Color Day Channel |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Detector                  | 1024×768, 12μm                                                                                                                                                                                                                                                                    | 2880×2160, 2.0μm  |
| Spectral Band             | 8~14μm                                                                                                                                                                                                                                                                            | 0.4~0.63μm        |
| FOV                       | 15.5°×11.6°                                                                                                                                                                                                                                                                       | 11.0°×8.2°        |
| Laser Rangefinder         | Eye Safe : 1535nm<br>Max Measuring Range : ≥3km<br>Measuring Accuracy : 2m                                                                                                                                                                                                        |                   |
| Positioning Module        | Positioning Mode : BD+GPS<br>Horizontal Positioning Accuracy (CEP) : 5m<br>Elevation Positioning Accuracy (PE) : 10m                                                                                                                                                              |                   |
| Digital Magnetic Compass  | Azimuth Measurement Range : 0°~360°<br>Azimuth Measurement Accuracy : 1°(RMS)<br>Pitch Angle Measurement Range : -90°~+90°<br>Pitch Angle Measurement Accuracy : 1°(RMS)<br>Inclination Angle Measurement Range : -180°~+180°<br>Inclination Angle Measurement Accuracy : 1°(RMS) |                   |
| Display                   | 1440×1080 OLED                                                                                                                                                                                                                                                                    |                   |
| Storage                   | 10000 JPG&4h AVI                                                                                                                                                                                                                                                                  |                   |
| Ocular Lens               | -4~+4 (Diopter)                                                                                                                                                                                                                                                                   |                   |
| Weight                    | ≤1.1kg (With battery)                                                                                                                                                                                                                                                             |                   |
| Battery life              | ≥7h                                                                                                                                                                                                                                                                               |                   |
| Dimension                 | 143×164×73mm                                                                                                                                                                                                                                                                      |                   |
| Interface                 | External Power Supply/USB/PAL/RS232/WIFI                                                                                                                                                                                                                                          |                   |
| Operating Temperature     | -40°~+55°C                                                                                                                                                                                                                                                                        |                   |
| Storage Temperature       | -55°~+70°C                                                                                                                                                                                                                                                                        |                   |
| Encapsulation             | IP67                                                                                                                                                                                                                                                                              |                   |
| Operating Distance        |                                                                                                                                                                                                                                                                                   |                   |
| Human Target<br>1.7m×0.5m | Identification                                                                                                                                                                                                                                                                    | 500m              |
|                           | Recognition                                                                                                                                                                                                                                                                       | 1000m             |
|                           | Detection                                                                                                                                                                                                                                                                         | 2000m             |
| Vehicle Target            | Identification                                                                                                                                                                                                                                                                    | 700m              |
|                           | Recognition                                                                                                                                                                                                                                                                       | 1400m             |
|                           | Detection                                                                                                                                                                                                                                                                         | 3000m             |



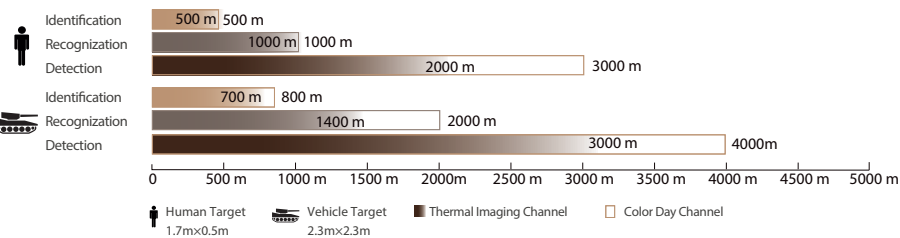
Color Day Mode



Thermal Mode



### Operating Distance



TACTICAL  
VISION  
SYSTEMS

TACTICAL  
VISION  
SYSTEMS