

MFTi - Multifunction Binocular



- 

Thermal images
- 

Colour day images
- 

Targeting positioning system
- 

≤3kg
- 

≥3h
- 

Handheld or mounted
- 

Field replaceable battery



MFTi - Multifunction Binocular

The 640x480 UFPA detector produces high resolution thermal images through an auto focusing 75mm lens, providing detection of vehicles at over 3km. Alongside the IR detector the MFTi has a high quality low lux CCD visual camera, with 10x optical zoom.

The result is that search and identification of a target can be made quickly and accurately. Once a potential target has been spotted the MFTi possesses the tools to locate and record the target location. One fire of the integrated Laser Range Finder uses the built-in GPS, Azimuth and Digital magnetic Compass to instantly deliver your target co-ordinates, the elevation and heading from your position as well as your own co-ordinates.

Features

Item	Thermal Imaging Channel	Colour Day Channel
Detector	640x480	1/3" CCD Low Light
Spectral Band	8~14μm	0.4~0.63μm
FOV	8.3°×6.2°	5.2°×3.9°
Laser Rangefinder	Eye Safe : 1535nm Max Measuring Range : ≥2km Measuring Accuracy : +/-5m	
Positioning Module	Positioning : GPS Horizontal Positioning Accuracy (CEP) : 5m Elevation Positioning Accuracy (PE) : 5m	
Digital Magnetic Compass	Azimuth Measurement Range : 0°~360° Azimuth Measurement Accuracy : 1°(RMS) Pitch Angle Measurement Range : -90°~+90° Pitch Angle Measurement Accuracy : 1°(RMS) Inclination Angle Measurement Range : -180°~+180° Inclination Angle Measurement Accuracy : 1°(RMS)	
Display	High Resolution Greyscale OLED	
Storage	20000 JPG & 2h Video	
Zoom	2x, 4x Digital	10x Optical
Weight	3kg (With battery)	
Battery life	≥3h	
Dimension	261×230×108mm	
Interface	External Power Supply/USB/PAL/RS232	
Operating Temperature	-40°~+55°	
Storage Temperature	-55°~+60°	
Encapsulation	MIL-STD 810	
Operating Distance	Thermal Imaging Channel	
Human Target 1.7m×0.5m	Identification	200m
	Recognition	350m
	Detection	1200m
Vehicle Target	Identification	625m
	Recognition	950m
	Detection	3500m

Please note, specifications are subject to change

Operating Distance

