

MILTECH Portable Series Multi-Sensor Binocular with Integrated Laser Rangefinder

The **MLT-IRB-75** is the handheld lightweight multi-sensor imaging solution offered by Miltech Hellas, suited for any deployable mission.

The **MLT-IRB-75** meets the most demanding operational requirements for situational awareness and target acquisition providing high-definition night and day imaging for military, national security and law enforcement applications.



Combined with the integrated Laser Rangefinder, guaranteeing high-accuracy measurements of up to 6Km, it covers all your portable and deployable mission objectives under harsh environmental conditions without any compromise.

The superior and robust construction with the premium features and excellent image quality, embedded with our quality guarantee, fast-turnaround service and long-term support as standard, gets verified from the users recognition of being the most efficient and cost-effective solution on the market.

Rugged and Compact

Developed and tested under all harsh environmental conditions for extensive times, the binocular operates under every scenario possible on the field without compromises on quality and performance.

6KM Integrated Laser Rangefinder

The high-end Integrated Laser Rangefinder ensures accurate ranging with $\pm 0.1m - 0.5m$ accuracy up to 6 Km and up to 3.4 Km for NATO targets. The precise distance readings enable quick assessment on the size of the area and target.

5-Mode Color Palette

The five color palette options and custom eyepiece offered with the binocular relieves user fatigue while enhancing viewing in various scenarios.

Applications

- Portable Field Solution
- Border Security
- Reconnaissance
- Deployable Missions
- Infrastructure Surveillance
- High-Risk Area Monitoring.



MLT-IRB-75

Multi-Sensor Binocular Thermal Imaging

THERMAL IMAGING:

Sensor Resolution (in pixels).	640 X 480
Pixel pitch	17µm {12µm available, upon request}
Spectral Response	7-14 um
Thermal Sensitivity	<40mK
Field of View	8.2° H X 6.2° V

INTEGRATED DAY CAMERA:

Sensor Type	1/3" Color CCD
Field of View	19°

INTEGRATED LASER RANGEFINDER:

Range (max.)	6Km
Accuracy	0.5m

DIGITAL MAGNETIC COMPASS - DMC:

Heading	0° - 360°
Elevation	0° ± 180°
Roll	0° ± 90°

GPS:

Accuracy	<1.8m
Cold Start	30s

INTERFACES:

Video Output	PAL video output
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POWER:

Battery Type	2 x 18650 Li-ion / 4 x CR123
Run Time	10 hours (depending on LRF use)
External Power	6-12 VDC

ENVIRONMENTAL:

Operating Temperature Range	40° C to +65° C
Storage Temperature Range	-45° C to +70° C
Standard	MIL-STD-810G, MIL-STD-461F
Waterproof	Immersible to 1m for 30mins
Material	Anodized Aluminum

STANDARD FEATURES:

Eyepiece Display.	Dual Binocular Display 720p
Digital Zoom	x1, x2, x4
Refresh Rate	30 Hz standard (up to 60 Hz)
Image Capture Video Recording	Captures and stores video in integrated SD Card
Region of Interest	Available

PHYSICAL CHARACTERISTICS:

System Weight	<1900gr (incl. batteries)
System Size (LxWxH)	250mm x 170mm x x90mm

ACCESSORIES:

Soft Case	Padded soft case for field transport
Hard Case	Hard sided case for storage or shipping
Lens Cleaning Kit	Soft lens brush and lens wipes
Operators Manual	Includes sight operation and maintenance
Quick Reference Guide	Pocket size card
Video Cable	Sight connector to BNC for output to monitor
WiFi and RF	Available upon request