

MILTECH Portable Series Thermal Weapon Sights

The **MLT-IRS-75** is the thermal imaging weapon sight solution offered by Miltech Hellas, made to cover medium distance applications. The **IRS-75** weapon sight is designed for high stability and excellent performance, while being designed perfectly machine guns and target acquisition. It uses a 640 x 480 LWIR detector, to support any night firing needs through darkness and difficult low light scenarios.

Offered with Miltech Hellas's quality guarantee with fast-turnaround service with long-term support as standard, the system assures accomplishment of all objectives on the field.



Rugged and Compact

Designed for harsh and agile battlefield use and easy and quick integration on weapons and portable systems. The compactness, the small size and the low weight allows rapid response and precision of firing due to the center of gravity shift towards the rear side of the weapon.

Lifetime Reliability

The field proven testing and the MILT-STD-810 compliance ensure 24/7, crisp thermal image in harsh conditions such as fog, dust and smoke.

Customization Options

The system is made according to the user's desired

operations and offers an upgradeability package for all future needs. It contains a 10 preset reticles and Miltech Hellas's custom reticle software for 100% coverage of your needs, Every time.



Applications

- Anti-Tank Rocket Launchers
- Medium/Heavy Assault Rifles
- Machine Guns
- Reconnaissance
- Target Acquisition

Multi-Sensor Binocular

THERMAL IMAGING:

Sensor Resolution (in pixels).	640 X 480
Pixel pitch	17µm {12µm available, upon request}
Spectral Response	7-14 µm
Thermal Sensitivity	<40mK
Field of View	8° H X 6°V

INTERFACES:

VIDEO OUTPUT	PAL video output
--------------	------------------

POWER:

Battery Type	2 x 18650 Li-ion/ 4 X CR123/ AA (upon request)
Run Time	~10 hours
External Power	6-12 VDC

ENVIRONMENTAL:

Operating Temperature Range	-40° C to +60° C
Storage Temperature Range	-45° C to +70° C
Standard	MIL-STD-810G
Waterproof	Immersible to 1m for 30mins
Material	Anodized Aluminum

STANDARD FEATURES:

Eyepiece Display.	High-Definition 800 x 600 pixels Color
Dioptric Correction	-4 to +4
Eye Relief	30mm, Rubber Shield Protection
Optical Magnification	3,3x
Digital Zoom	x1, x2, x4
Refresh Rate	30Hz standard (up to 60 Hz)
Sight Controls	Gain – Contrast – Brightness – Black/White Hot – Zoom
On screen Indicators	Polarity – Zoom – Digital Magnetic Compass – Tilt Indicator - Battery
Targeting Aid	10 preloaded reticles, Software for designing and adding custom reticles from PC
Image Capture	200 snapshots, stored in internal memory
Digital Video Recording	Captures and stores in internal memory
Weapon Mounting	MIL-STD-1913, Fits Picatinny rail
Environmental	IP67
Region of Interest	Available
Color Palette	Sepia, Rainbow, Red-Hot
Automatic Gain Control (AGC)	Available
Video Recording	Recorded in integrated SD card (32GB included)

PHYSICAL CHARACTERISTICS:

System Weight	775gr (incl. batteries)
System Size (L x W x H)	140mm x 56mm x 93mm

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