

MGS

Modular Gunner Sight



MGS is an advanced modular gunner's sight designed for high-accuracy target engagement and fire on-the-move during day and night at all combat scenarios and all weather conditions.

Main Advantages & Features

- Dual-axis-stabilized sight
- Advanced 8-12 μm 3rd generation thermal imager
- High resolution TV channel
- Eyesafe Laser rangefinder
- Direct view optics
- All in One - integrated electronic unit
- Ruggedised design (for tracked or wheeled vehicles)

Applications

- Main Battle Tanks
- Armoured Fighting Vehicles



Technical Data

Sight

Line of Sight

1. Elevation -13.5° to $+45^{\circ}$
2. Azimuth $\pm 5^{\circ}$

Stabilization accuracy

- Elevation 0.1 mRad
Azimuth 0.1 mRad

Thermal Imager

Spectral region 8-12 μ m
Detector MCT PV 640X512 or 1280x1024

Fields of View

- Wide $-9.6^{\circ} \times 7.2^{\circ}$
Narrow $-3.2^{\circ} \times 2.4^{\circ}$
EZoom

TI Ranges (Km) @NFOV
Detection 2Km
Recognition 5Km
Identification 3Km

TV Tanges (Km) @NFOV
Detection 10Km
Recognition 4.5Km
Identification 3Km

ELRF

Laser wavelength 1535 nm (Eyesafe class 1)
Repetition rate 1pps
Target discrimination 50 m
Max. target range 10,000 m
Range accuracy ± 5 m
Laser safety

TV Channel & Direct View

Sensor type CCD
Spectral band 650-850 nm, monochrome
Resolution 1394 x 1040
DVO FOV 7.5° (x8)



Range Performance

Thermal Channel



TV Channel

