

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
- Ruggedized design (for tracked or wheeled vehicles)

Applications

- Main Battle Tanks
- Armoured Fighting Vehicles



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Technical Data

Sight

Line of Sight

1. Elevation -13.5° to +45°
2. Azimuth ±5°

Stabilization accuracy

- Elevation 0.1 mRad
Azimuth 0.1 mRad



Thermal Imager

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

Fields of View

- Wide - 9.6° × 7.2°
Narrow - 3.2° × 2.4°
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)

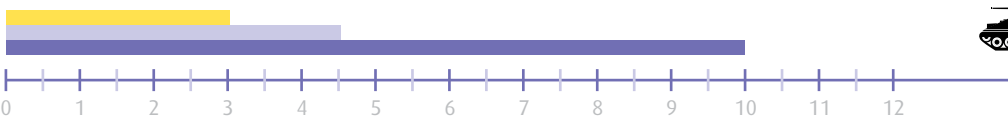
Range Performance

Thermal Channel



- Identification
- Recognition
- Detection (WFOV)

TV Channel



- Identification
- Recognition
- Detection (WFOV)



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