

# 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  $\mu\text{m}$  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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## Modular Gunner Sight

### 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

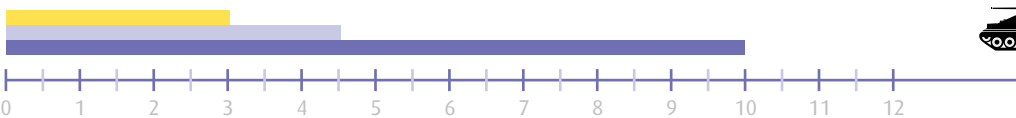
Sensor type CCD  
Spectral band 650-850 nm, monochrome  
Resolution 1394 x 1040  
DVO FOV 7.5° (x8)

### Range Performance

#### Thermal Channel



#### TV Channel



- Identification
- Recognition
- Detection (WFOV)



- Identification
- Recognition
- Detection (WFOV)



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