



# GUARDIAN 2.0

**GUARDIAN 2.0** is a two-axis gyro-stabilized remote weapon station that can be operated at day or night in adverse weather conditions. The system can be installed on different types of platforms and vehicles.

The system can mount various weapon calibers: 5,56mm, 7,62mm, 12,70mm, and 40mm MKII grenade launcher, as well as smoke launchers.

**GUARDIAN 2.0** includes an electro-optical system with an independent Pan & Tilt subsystem, integrating a thermal camera, a day sight camera and a laser range finder. A laser pointer can also be included.

Its light and modular design provides high operability against asymmetrical threats. It is a highly cost-effective defense solution.

- ADAPTABILITY
- AUTOMATIC TRACKING
- CUSTOMIZABLE
- LOW MAINTENANCE
- MODULARITY
- PROTECTION
- EMBEDDED SIMULATION



## TECHNICAL DATA

### WEAPON STATION

**Platform**

**Mounting type:** 2-axis gyro-stabilized.  
**Weapon:** Standard configuration with 12.7mm (M2) and grenade launcher (MK19). Option to mount other calibers: 5,56mm (MG4), 7,62mm (MG3), 14,5 (KPVT), Gatling DILLON M134D, smoke launchers (40, 76, 80mm).  
**Elevation:** -20° to +60°.  
**Azimuth:** Nx360°.  
**Stabilization level:** <0,5 mrad.  
**Weight\*:** <180 kg.  
\*Without weapons and munition

- Other features**
- Configurable inhibition of fire zones for operational safety.
  - GPS system included.
  - Data exchangeability with external C4I.
  - Ballistic calculator for high firing accuracy.
  - Embedded simulator for training.
  - Easy to integrate with any external sensor.



### ELECTRO-OPTICAL SYSTEMS

#### Uncooled IR Camera (Optional):

- Micro-bolometer LWIR.
- 640 x 480 pixels 17µm.
- Discrete Zoom: 3x.
- WFOV: 12°(H) x 9°(V).
- NFOV: 4°(H) x 3°(V).

RANGES	UNCOOLED IR	COOLED IR	DSC
Detection	≥8,5km	≥17,3km	≥15km
Recognition	≥2,9km	≥5,4km	≥10,3km
Identification	≥2,0km	≥3,6km	≥8,4km

NATO Target 2,3m x 2,3m

#### Cooled IR Camera:

- 640 x 512 15 µm.
- 3rd Gen MWIR detector.
- Continuous Zoom: 8x.
- WFOV: 17.62°(H) x 14.09°(V).
- NFOV: 2.20°(H) x 1.76°(V).

#### Day Sight Camera (DSC):

- HD CMOS sensor.
- 1920 x 1080 pixels 3.45µm.
- Continuous Zoom 20x.
- WFOV: 38.13°(H) x 21.38°(V).
- NFOV: 1.90°(H) x 1.07°(V).

#### Laser Range Finder (LRF):

- Accuracy: ± 5m.
- Max. Range: 15 km.
- Programmable frequency 1Hz - 10Hz.

