

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.













TECHNICAL DATA

Platform

Other

features

Mounting type: 2-axis gyro-stabilized. 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 munit

- 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. •

Uncooled IR Camera (Optional):

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

Cooled IR Camera:

- 640 x 512 15 µm.
- 3rd Gen MWIR detector.
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- NFOV: 2.20°(H) x 1.76°(V).

Day Sight Camera (DSC):

- 1920 x 1080 pixels 3.45µm.

- Programmable frequency 1Hz 10Hz.



ADAPTABILITY AUTOMATIC TRACKING CUSTOMIZABLE

- LOW MAINTENANCE
 - MODULARITY

PROTECTION EMBEDDED SIMULATION





- Continuous Żoom 20x.
- WFOV: 38.13°(H) x 21.38°(V).

Laser Range Finder (LRF):

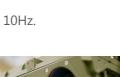
Continuous Zoom: 8x.

- WFOV: 17.62°(H) x 14.09°(V).

- NFOV: 1.90°(H) x 1.07°(V).

• Accuracy: ± 5m. Max. Range: 15 km.







WEAPON STATION

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),



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

