



GUARDIAN 30

GUARDIAN 30 is an automatic system with 2-axis stabilization, which includes two electro-optical systems, offering a great versatility for both day and night operations.

Especially designed to be mounted on armored vehicles, this system integrates a 30mm cannon (adaptable to 40mm) MK44S Bushmaster Chain Gun and a coaxial 7.62mm machine gun.

GUARDIAN 30 has outstanding long range accuracy thanks to its next-gen ballistic calculator, which combined with a modular design and a low profile significantly reduces its radar footprint.



TECHNICAL DATA

WEAPON STATION

Platform: Mounting type: 2-axis gyro stabilized.
Weapon: Standard configuration with 30 or 40mm MK44S Bushmaster Chain Gun, up to 12 smoke launchers for smoke and fragmentation grenades and a 7,62mm machine gun.
Missile Launcher: as an option, the system can integrate two ATGM *
Elevation: -20° to 60°.
Azimuth: Nx 360°.
Stabilization level: < 0,2 mrad.
Weight:** <1250 kg.

* Anti-Tank Guided Missile

** 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.
- Hunter Killer capability.
- Missile integration.

ELECTRO-OPTICAL SYSTEMS

Cooled IR Camera:

- 3rd Gen MWIR InSb Cooled
- 640 x 512 pixels 15µm.
- WFOV 36.83°(H) x 29.42°(V).
- NFOV 1.83°(H) x 1.47°(V).
- Optical Continuous Zoom: 20x.

Day Sight Camera (DSC):

- CMOS 1/2.8.
- 1920 x 1080 pixels.
- WFOV 63.7°(H) x 35.51°(V).
- NFOV 2.3°(H) x 1.3°(V).
- Continuous Zoom 30x.

RANGES	COOLED IR	DSC
Detection	≥19,1km	≥14,3km
Recognition	≥6,5km	≥9,5km
Identification	≥4,4km	≥7,6km

NATO Target 2,3m x 2,3m

Laser Range Finder (LRF):

- Accuracy: ± 1 m until 80% of range.
- Range: 50 m – 15 km.
- Wavelength: 1550 nm.



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