

GUARDIAN 2.0

REMOTE CONTROL WEAPONS SYSTEM



GENERAL DESCRIPTION

GUARDIAN is a Remote Control Weapons System (RWS) for 12.7 mm and 7.62 mm calibers, lightweight and compact. The system is stabilized and can operate by day and by night. Operational functions include surveillance, target identification and tracking. Ballistic calculations for shooting are programmed into the main computer unit, allowing improved shooting accuracy. GUARDIAN provides defense capabilities over short and medium ranges with high firing accuracy and it is a cost-effective solution for defense against asymmetric threats.

Integration into higher level systems, accuracy, operation at any time and in all situations and protection of the soldier.

BENEFITS OF USING GUARDIAN

SOLDIER PROTECTION

- Gunners operate the weapon protected by the vehicle structure.

IMPROVEMENT IN ACCURACY

- Ballistic calculation transparent to the gunner.

RECOGNITION CAPABILITY (EXTENDED RANGE)

- Identifying and acquiring targets up to 4,500 meters.

OPERATION IN MOVEMENT

- Stabilization and tracking capability.

DAY AND NIGHT OPERATION

- IR sight included

INTEGRATION INTO C2 SYSTEM

- Integration with tactical information systems, command and control system (C2)

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Mounting type	Two axis, stabilized with independant shigt elevation
Weapon	12.7 mm M2 / MK19 / 7,62 same cradle and remote. Customizable to other weapons 12.7 mm and 7.62 mm
Observation Sub-System	Cooled IR camera - Detector IR 640 x 512 - Two fields of view CCD camera - NATO detection targets 8000m - NATO recognition targets 4500m Laser range finder - Safe eye - Accuray 3m for 12.000m - Programable telemeter 1Hz - 10Hz
Angular motion	360° continuous Azimuth- harmony drive -20° a +60° Elevation
Stabilization accuracy	<1 mrad (fiber gyroscope, FOG)
Weight	< 160 kg without gun and ammunition
Other characteristics	Safe movement GPS Able of exchange data with an external C41 Embedded Simulator Day camera and full HD monitor
Options	 Armor Smoke Launcher 40-76 mm Granade launcher 40-76mm Manpad Acoustic gun shoot detection

FORWARD THINKING

Driven by a skillful and proactive team, backed by modern and well equipped installations, **ESCRIBANO** is committed to finding cost-effective solutions based on clients´ needs, our knowledge and experience.

