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.

OPERATION IN MOVEMENT
- Stabilization and tracking capability.

IMPROVEMENT IN ACCURACY
- Ballistic calculation transparent to the gunner.

DAY AND NIGHT OPERATION
- IR sight included

RECOGNITION CAPABILITY (EXTENDED RANGE)
- Identifying and acquiring targets up to 4,500 meters.

INTEGRATION INTO C2 SYSTEM
- Integration with tactical information systems, command and control system (C2)
### TECHNICAL DATA

#### GUARDIAN 2.0

<table>
<thead>
<tr>
<th>Mounting type</th>
<th>Two axis, stabilized with independant sight elevation</th>
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<tbody>
<tr>
<td>Weapon</td>
<td>12.7 mm M2 / MK19 / 7.62 same cradle and remote. Customizable to other weapons 12.7 mm and 7.62 mm</td>
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| Observation Sub-System | Cooled IR camera  
- Detector IR 640 x 512  
- Two fields of view  
CCD camera  
- NATO detection targets 8000 m  
- NATO recognition targets 4500 m  
Laser range finder  
- Safe eye  
- Accuracy 3 m for 12,000 m  
- Programmable telemeter 1 Hz - 10 Hz |
| 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 40-76 mm  
Manpad  
Acoustic gun shoot detection |

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**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.