



RCWS 100

COMPACT REMOTE CONTROLLED WEAPON STATION FOR MAXIMUM FLEXIBILITY AND PROTECTION

PRODUCT OVERVIEW

The RCWS 100 is a compact and lightweight Remote Controlled Weapon Station designed specifically for unarmoured and light tactical vehicles. Combining advanced sensor technology, high mobility, and intuitive operation, it enhances firepower and crew protection without compromising vehicle performance. Its modular architecture enables rapid integration across a wide range of platforms, making it an ideal solution for modern defence and security operations.

SYSTEM ARCHITECTURE

The RCWS 100 system comprises a Crew Terminal featuring an integrated operator display and additional onboard computing power to support advanced AI-enabled functions such as Automatic Target Recognition (ATR), Multi-Mode Tracking, and future software-driven enhancements. A dedicated Control Grip provides intuitive and precise weapon and sensor operation, ensuring effective target engagement while reducing operator workload.

The modular system architecture enables seamless integration of sensors, weapons, and future capability upgrades, ensuring operational flexibility and long-term growth potential.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Primary weapon	MG5 (7.62 x 51 mm NATO)
Rate of fire	Up to 800 rounds/min
Effective range	Up to 600m
Primary sensor	EOS100 Electro-Optical Sensor
NATO standard target	Detection >4,000m Identification >2,000m
Micro-UAV detection	>500m
Optional AESA radar	Micro-UAV Detection >700m Identification >500m
Weight	<100 kg (system only, excluding weapon and ammunition)
Dimensions (L x W x H)	1,069 x 732 x 531 mm
Compliance standards	AECTP 200/300/400, MIL-STD-461
Platform compatibility	Tactical vehicles Utility vehicles UGVs and fixed installations

KEY BENEFITS

Rapid Integration

NGVA-compliant interfaces enable seamless integration onto existing vehicle platforms with minimal modification effort.

Enhanced Situational Awareness

The integrated EOS 100 electro-optical sensor provides long-range target detection and identification capabilities for day and night operations.

All-Weather Operation

Reliable performance in demanding environmental and weather conditions.

Future-Proof Architecture

Modular design supports future software and hardware upgrades, ensuring long-term operational relevance.

Layered Défense Capability

Hard-kill engagement capability combined with optional radar support enables effective protection against conventional and emerging threats, including micro-UAVs.

Lightweight and Compact

With a system weight below 100 kg, the RCWS 100 preserves vehicle mobility and payload capacity.

RCWS100 AT A GLANCE

- Equipped with MG 5 7.62 mm machine gun
- Integrated EOS 100 electro-optical sensor
- Detection of NATO standard targets beyond 4 km
- Optional AESA radar for enhanced counter-UAV capability
- Lightweight design: <100 kg
- NGVA-compliant architecture
- Hard-kill engagement capability
- Suitable for vehicles, UGVs, and fixed installations
- Modular, scalable, and upgradeable



OPERATIONAL APPLICATIONS

Convoy Protection

Provides enhanced force protection for logistics and troop transport convoys.

Critical Infrastructure Protection

Protects strategic facilities, energy assets, and critical national infrastructure.

Tactical Vehicle Integration

Ideal for light and medium tactical vehicle fleets requiring increased survivability and firepower.

Unmanned Ground Vehicles (UGVs)

Supports remote and autonomous operations in high-risk environments.

Expeditionary Missions

Rapidly deployable solution for mobile force protection and security operations.

Base and Perimeter Defence

Delivers persistent surveillance and engagement capability for fixed-site security.



RCWS 100 – COMPACT. PRECISE. MISSION READY.