



RCWS®

**Lethal Control.
Absolute Precision.**

Remote Controlled
Weapon System



Stingray Tec

Military Precision. Tactical Agility.

We engineer mission-ready systems that strengthen command, safeguard sovereignty, and empower defence forces across every domain.

Stingray Tec is a trusted technology partner to armed forces. With over two decades of experience across land, air, sea, and cyber, we develop state-of-the-art systems that enhance situational awareness, accelerate decision-making, and deliver operational superiority in high-stakes environments.

Our legacy builds upon resilient defence platforms, intelligent command systems, and integrated weapon solutions — engineered for precision, reliability, and control.



Accuracy That Moves With the Mission

REMOTE CONTROLLED WEAPON SYSTEMS

The RCWS 12.7 mm integrates heavy-calibre firepower with advanced stabilisation and control. Equipped with two-axis gyro stabilisation, automatic ballistic computation, and autonomous target tracking, it delivers precision engagement on the move and in extreme conditions. Operators engage targets confidently from under armour or remote shelters, maintaining consistent round-on-target performance.

*Remote precision,
real-time control, and
mission-ready accuracy —
engineered to perform
under fire and in every
environment.*

KEY CAPABILITIES

- Remote Operation
- Two-Axis Gyro Stabilisation
- Automatic Ballistic Calculation
- Autonomous Target Tracking
- Integrated Training Simulator
- High-Precision Day/Night Performance
- Secure and Authorised Operation
- Modular System Architecture
- Advanced Graphical User Interface
- Platform Adaptability (Land & Maritime)
- Proven Scalability and Integration



OPERATIONAL ADVANTAGES

- Maintains firing precision while manoeuvring
- Enhances crew safety through under-armour operation
- Reduces operator workload and ammunition wastage
- Delivers consistent performance in all weather and terrain
- Supports quick deployment and easy reconfiguration
- Adapts seamlessly to mission and platform requirements

SYSTEM HIGHLIGHTS

Calibre	12.7 mm
Stabilisation	Two-Axis Gyro
Tracking	Automatic and Manual Modes
Control	Joystick / Console Interface
Operation	Day / Night / All Weather
Mounting	Vehicle, Vessel, or Fixed Station
Power Supply	Compatible Military Systems



APPLICATIONS

Armoured Vehicles

Naval Vessels

Fixed Defence
Installations

Unmanned and
Remote Stations

Border Security
Platforms

SYSTEM PERFORMANCE

Core Performance

Remote, under-armour operation with day/night effects and auto target tracking.

Two-axis gyro-stabilised, ballistic-computer-assisted fire.

Drive & Stabilisation

Traverse/Elevation 360° continuous; -20° to +80° ($\pm 10^\circ$).

High-speed slewing/elevation ($>60^\circ/\text{s}$); stability accuracy <1 mrad class.

Power & Weight

≤ 750 W @ 115 VAC, 60 Hz; system mass ~ 160 kg.

Environment & Standards

-20°C to +50°C operation;

MIL-STD-810G shock, vibration & humidity; MIL-STD-461F EMC.

FIREPOWER & SIGHTING SUITE

Firepower

12.7 mm HMG, 200-rd ready ammo; ~ 600 rds/min; effective range to ~ 1.5 km.

Sighting Suite

Day EO — FHD with long-range 46 $\times$ optical zoom.

Thermal — uncooled 640 $\times$ 512 (7.5–14 μm) with digital zoom.

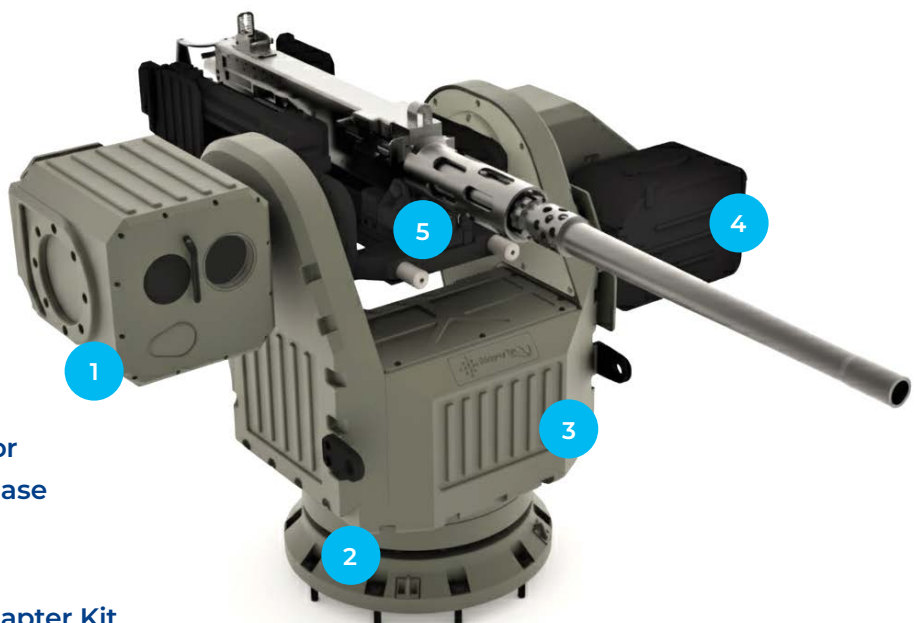
Laser Rangefinder — up to 5 km.

DRI Ranges:

- Detection: 6.3 km
- Recognition: 1.8 km
- Identification: 0.9 km

Fire Control & HMI

Automatic target tracking, advanced GUI, secure/authorised operation, integrated training simulator.



1. EO/IR Sensor
2. Mounting Base
3. Turret
4. Ammo Box
5. Weapon Adapter Kit

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