



KONGSBERG

PROTECTOR RWS



PROTECTOR

KONGSBERG Protector RWS

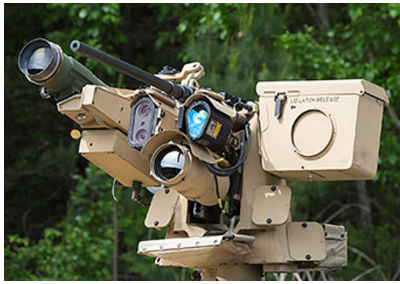
- When experience counts

The PROTECTOR RWS is the world's most fielded Remote Weapon System (RWS)

- More than 20,000 delivered and in use by customers around the globe
- 100% U.S. market share
- Highly flexible, allowing tailoring towards customer's requirement
- Designed for small and medium calibre weapons including Coax and ATGM's
- An advanced and modular Sensor suit (Day, Night, LRF) enables unique and tailorable situational awareness
- Fully stabilized 2 + 2 Axis (DLOS) system; enables the gunner to keep his sights on target, independent of ballistic solution for the weapon and ammunition in use.
- Platform independent (Land and Sea)
- The 5th Generation Open Architecture fully GVA compliant Fire Control System with a user oriented HMI enables easy integrations:
 - DDS based Integrated Computer Systems (ICS)
 - Battle Management Systems (BMS)
 - Defensive systems support: (APS, laser warning)
 - Situation awareness support and threats view
 - +++
- Network based Fire Control System enables:
 - Multi Users (Commander, gunner and or other Crew members)
 - Multi Weapon Stations (Camp- or Perimeter protection)
 - Network and Wireless operations (UGV or stationary platforms)
 - Manned-Unmanned Teaming
- Continuous enhancement and room for future lethality capabilities

FEATURES

- Qualified for global operations
- Flexible and modular
- Low life cycle cost
- Safe operation from within the platforms hull
- Accurate and reliable
- 4 Axis Fully stabilized (Point and Vector stabilization)
- Automatic Tilt and Cant compensation
- Lock-on-target/Target tracking
- Automatic Lead Angle Correction



OPERATIONAL CAPABILITY

The PROTECTOR family of Remote Weapon Systems are suitable for any missions - whether on land or at sea, on mobile or static platforms - for remote operation of payloads ranging from small calibre weapons to medium calibre automatic cannons. The system is modular; however, all of variants of the PROTECTOR RWS share the same baseline technology.

The PROTECTOR RWS designed and built for operation in extreme environmental conditions, with capabilities that allow soldiers to operate from a protected position by using stabilized precision optics and laser to observe, detect, and engage targets with increased accuracy and reduced collateral damage. A key feature of the PROTECTOR's aim and fire function is the Detached Line of Sight. It enables the gunner to keep his sights on target, independent of the ballistic solution for the weapon in use.

The PROTECTOR is a mature and proven product based on millions of hours of operational experience in combat zones combined with a close cooperation with Defence Forces worldwide for continual system enhancement to meet new user requirements and leverage new technology. The PROTECTOR has an unprecedented Operational Readiness Rate of 99% and low life cycle costs.

Commonly Remotely Operated Weapon Station (CROWS)

CROWS is a joint acquisition program for weapon stations for all U.S. Army vehicle programs. In an open competition, the U.S. Army awarded KONGSBERG 5 year's contracts for delivery of the PROTECTOR RWS to the CROWS II program in 2007 and again in 2012. A third 5-year contract, signed in September 2018, enables KONGSBERG to continue the well-established cooperation with the U.S. Army.

TECHNICAL DATA

Technical Specifications	(depending on variant) Weight excl. Weapon & Ammunition: 135 - 190 Kg Height excl. Weapon & Ammunition: 505 - 765 mm
Cameras / Sensors	Flexibility to meet customer Day, Night and LRF requirements
Dynamic Capabilities	Azimuth 360° unlimited range, 90° /s Elevation -20° to + 60°, 70° /s
Integrated Weapons	Browning M2 and WKM-B (12,7 mm) , M249 (5,56 mm) M240 and UKM-2000C (7,62 mm), MK19, MK47 and Heckler & Koch GMG 40 mm Grenade Launchers inclusive Airburst , M134 7,62 Gatling and various Non-Lethal effectors.

