

PROTECTOR

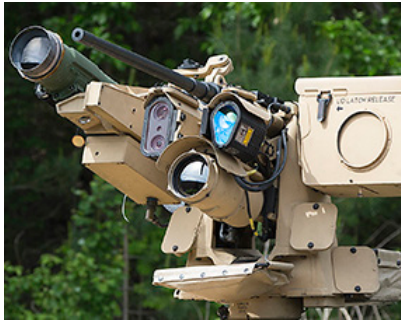


KONGSBERG REMOTE WEAPON SYSTEMS

PROTECTOR RS4

KEY CAPABILITIES

- Qualified for global operations
 - Flexible and modular
 - Operational from a safe position within a platform, from a control room or wireless on UGV's
 - 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
 - Accommodates a wide range of weapons and effectors
 - Low life cycle cost
- The world's most fielded RWS
 - More than 20,000 systems delivered and in use by customers world-wide
 - 100% U.S. market share
 - Highly flexible, allowing tailoring towards customer's requirement
 - Designed for small and medium calibre weapons incl 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:
 - Integrated Computer Systems (ICS)
 - Battle Management Systems (BMS)
 - Defensive systems support: (APS, laser warning)
 - Situation awareness support
 - Threats view
 - Other - as equipped: e.g drones
 - Vehicle infrastructure: COMs, Vehicle information, Maintenance, and LRU overview, alarm handling
 - Network based Fire Control Systems 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
 - Continous enhancement and room for future lethality capabilities



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 caliber weapons to medium caliber automatic cannons.

The system is modular, however all variants of the PROTECTOR Family share the same baseline technology.

The PROTECTOR RS4 is 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 RS4'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 RS4 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 RS4 has an unprecedented Operational Readiness Rate of 99% and low life cycle costs.



RS4 and 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 years contracts for delivery of the RS4 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: 135-190kg Height excl. Weapon & Ammunition: 505-765 mm
Cameras / Sensors:	Flexibility to meet customers 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, UKM-2000C and M134 Gatling (7.62 mm), MK19, MK47 and H&K GMG (40 mm grenade launchers with airburst option), various Non-Lethal effectors. The RS4 allows for M240 (6.62 mm) coax kit or various ATGM integrations.

