



KONGSBERG



# PROTECTOR

Remote Weapon Station

## M153 PROTECTOR

Protector with ballistic protection

- M153 PROTECTOR is designed for small and medium caliber weapons, and can be installed on any type of platform.
- Detached Line of Sight (DLOS) enables the gunner to keep his sights on target, independent of ballistic solution for the weapon/ammo in use.
- Fully stabilized system provides unmatched observation and engagement capabilities.
- Thermal Imager with dual field of view, autofocus and e-zoom.
- Color Daylight camera allows a wide field of view up to 45 degrees while observing, and more than 30 times optical magnified close-up view of the target area when identifying and engaging a long distance target.
- The eye-safe Laser Range Finder provides extremely accurate range measurements, providing the PROTECTOR first round on target capability.
- Incorporates a high volume ammo can & add-on armor for improved sensor and servo protection.

### FEATURES

- Operation from within the safety of the vehicles hull
- Proven and in active service
- Fully stabilized
- Automatic Tilt and Cant compensation
- Accurate, reliable and safe
- Qualified for global operations
- Low life cycle cost
- Flexible and modular
- Lock-on-target
- Automatic Lead Angle Correction
- Classroom and embedded trainer available



## OPERATIONAL CAPABILITY

In August 2007, KONGSBERG was awarded the prestigious contract of CROWS II (Commonly Remotely Operated Weapon Station) by the US Army. CROWS is a joint acquisition program for weapon stations for the US Army vehicle programs.

In August 2012, KONGSBERG was awarded the follow-on CROWS contract, enabling KONGSBERG to continue the well-established cooperation with the the US Army.

The PROTECTOR family of Remote Weapon Stations are systems 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, and all of the different variants of the PROTECTOR RWS share the same baseline technology.



The PROTECTOR RWS is built for operation in extreme environmental conditions with capabilities that allow soldiers to operate from a protected position using stabilized precision optics and laser to observe, detect and engage targets with increased accuracy and reduced collateral damage.

The 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.



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 world wide. The PROTECTOR has an unprecedented Operational Readiness Rate of 99%.



## TECHNICAL DATA

Weight of weapon Station excl. weapon and ammunition :	172 kg (379 lbs)
Height of weapon Station excl. weapon and ammunition :	762 mm (30 inches)
Temperature, operating:	- 46 C to + 65 C (-51 F to + 149F)
Temperature, Storage:	-51C to +71C (-51 F to + 160F)
EMC :	MIL-STD-461
Vibration	MIL-STD-810, Method 514,4 (custom vibration spectrum)