



KONGSBERG

Highlights

- Sensor-Effector Integration for Effective UAS Detection and Neutralization
- Adaptable Architecture for Evolving Mission Requirements
- Based on Open, Standardized Interfaces
- Enhanced Weapon Accuracy and Operational Efficiency
- Enables Cross-Platform Target Sharing
- Comprehensive Full Life-Cycle Support

Counter-Unmanned Aerial Systems

PROTECTOR CUAS

Digitizing Combat Vehicles for Enhanced Lethality

Since the early 2000s, the PROTECTOR Remote Weapon System has played a vital role in enhancing operational safety and effectiveness.

With more than 24,000 units delivered worldwide, KONGSBERG is a global leader in remote weapon technology - trusted by frontline operators for its reliability, precision, and cutting-edge innovation.

Proven Performance

The PROTECTOR CUAS system is a mature, combat-proven solution designed to counter Class 1 UAV threats by effectively detecting and neutralizing low-signature UAS targets. With several years of operational deployment across both new and legacy platforms, it delivers robust and reliable defense capabilities. Built for full platform digitization, PROTECTOR CUAS is highly adaptable, scalable, and platform-independent. Its flexible architecture supports a wide range of configurations - from complex multi-crew vehicles to streamlined single-user setups - and has been successfully integrated with numerous subsystems.

Quality and Reliability

KONGSBERG has a reputation for producing high-quality, dependable systems. With millions of operational hours logged, PROTECTOR CUAS consistently performs in demanding environments. Its robust architecture ensures maximum uptime, while KONGSBERG's global Through Life Support (TLS) and MRO networks maintain exceptional readiness rates and long-term sustainability.

Leading Technology

PROTECTOR CUAS enables full digital integration with adjacent systems, including:

- Battlefield Management Systems (BMS)
- Weapon Systems (bi-directional slew-to-cue)
- Sensor and Defensive Systems (e.g., LWS, APS)
- Unmanned Platforms (UAV/UGV/USV)

PROTECTOR Communality

Built on standardized, open interfaces, PROTECTOR CUAS ensures seamless interoperability across platforms and mission systems. Its modular design supports shared software components and common user interfaces, reducing training requirements and life-cycle costs across vehicle fleets.

Versatility

PROTECTOR CUAS is platform-independent, scalable, and easily configurable. It supports both complex multi-crew vehicles and simpler single-user setups. The system adapts to user-specific needs and integrates with existing infrastructure.

Customer Support

KONGSBERG offers comprehensive customer support, including training, maintenance, and technical assistance, ensuring users can maximize system capabilities throughout its lifecycle.



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PROTECTOR CUAS Key Capabilities

Combat Management	Providing the primary tactical interface for weapon and system configuration, intervehicle target-sharing, messaging and integrated sensor/effector functionality.
MUM-T	Route-planning and safety verification, distributed weapon control, situational awareness, cross-cueing and type-tagging. Platform agnostic.
CUAS/GBAD	Lowest tactical interface for higher echelon Air Defence system architectures enabling Threat Evaluation and Weapon Assignment Sensor harmonization and deconfliction.
Ground Surveillance	Common situational awareness with sensor fusion.
Operational - Tactical Integration	Weapon system orientation/disposition with 3rd party Battle Management Systems (BMS); map-sight picture Augmented Reality (AR) overlays. Operator configurable
Maintenance Tracking	Logging, technical manual libraries, and predictive maintenance tools.
System Security	Toolsets for monitoring remote and local access and system integrity of connected subsystems.

CUAS External Interfaces

Integrated and fielded interface for higher-level systems:

- ASTERIX

Track Record of Successful Integrations:

- FAAD C2
- AFATDS
- NASAMS
- JBC-P
- ATAK

Additional protocols supported upon request, including:

- Link16
- VMF
- Cursor on Target (CoT)
- TAK
- MAVLink

For more information on
PROTECTOR Family Products
scan the QR code below

