



ARROW 12

Remote Stabilized weapon station

Arrow 12 is a compact and lightweight Remote Stabilized Weapon Station (RWS) for 14.5mm, 12.7mm and 7.62mm-caliber guns. The system features a modular design, which allows easy mounting on armoured vehicles and small boats, and a capability of uninterrupted operation in both day and night time under all weather and environmental conditions. Thanks to an integral electro-optic component (consisting of a day/night camera and a laser rangefinder) and ballistic computer, Arrow 12 facilitates the excellent performance of various missions in surveillance, reconnaissance and precision firing. In addition, the system can also be configured linking to radars and target designators, or adapted to customers' requirements.

MAIN FEATURES:

- Dual-axis stabilized weapon station
- Easily mounted on various mobile platforms such as naval vessels and land vehicles
- 14.5mm, 12.7mm and 7.62mm-caliber guns supported
- Day/night operation under all weather and environmental conditions
- Fully automatic and remote manual modes
- Ballistic computer
- System configuration adaptable to customer's requirements
- Modular design allowing easy replacement and maintenance
- MIL-STD-810 compliance

ARROW 12

TECHNICAL SPECIFICATIONS

Movement

| | |
|--|--------------------------|
| Stabilization | 2 axis stabilized turret |
| Azimuth angle | n x 360° |
| Elevation angle | -20° to +70° (max.) |
| Azimuth speed (max) | 90°/sec |
| Elevation speed (max) | 60°/sec |
| Repeatable positioning accuracy in both axes | ± 0.2 mrad |



Gun carriage

| | |
|--|-------------------------|
| Machine gun supported | 14.5mm, 12.7mm & 7.62mm |
| Ammunition box | 200 pcs (12.7mm) |
| Modular design allows additional installation of smoke grenade launchers | |



Sight system with independent elevation (configuration according to customer's request):

Thermal Imager

| | |
|---------------|--|
| Detector type | Uncooled Asi sensor, 640x480 pixels |
| Lens type | Auto focus continuous zoom |
| FOV | NFOV: 4.15° x 3.12° WFOV: 20.6° x 15.5° |

Day camera

| | |
|---------------|--|
| Detector type | 1920 x 1080 CMOS sensor |
| Lens type | Auto focus, 30x optical zoom, 12x digital zoom |
| FOV | 2.3° to 63.7° |

Laser Rangefinder

| | |
|---------------|--------------------|
| Type | Class 1 – Eye Safe |
| Range | 30 – 5.500m |
| Precision | ± 1m |
| Auto Tracking | Applied |

Physical parameter

| | |
|-------------------------------------|------------------------------------|
| Dimensions (radius, height) | 1,227mm, 956 mm |
| Weight (without gun and ammunition) | < 200 kg (configuration dependent) |
| Operation temperature | - 32° C to + 60° C |
| Storage temperature | - 40° C to + 70° C |

THE MANUFACTURER RESERVES THE RIGHTS TO CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE FOR SYSTEM IMPROVEMENT

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