

Combat Proven Technology



EOS R-400 Stabilized Remote Weapon Station Single Weapon - Capability For Different Calibre

R-400 is a single weapon station capable of operating any of the following automatic weapons: 40 mm AGL, 12.7 mm HMG, 7.62 mm GPMG, 5.56 mm LMG. Canon up to 30 mm can also be operated from R-400 for superior firepower.

Weapon adapters for 14 common automatic weapons and vehicle adaptations for 16 in-service vehicles are available. Weapon changes are achieved within 20 minutes, with automatic sensing of weapon type by the fire control system. Smoke grenade launchers are optional.

Ballistic protection for key weapon system parts is available up to STANAG 4569 Level 2.

Excellent first-round hit probability is provided by a ballistic solution taking into account not only weapon, ammunition, range and ambient environment, but also vehicle attitude and dynamics. Performance can be further enhanced with optional video track of targets and multi-axis stabilization.

R-400 integrates advanced surveillance capabilities, including stabilized sensors and battlefield sector scanning with up to 200 pre-settable target reference points for rapid engagement of likely targets directly from surveillance mode. Sensors are integrated into compact, pre-aligned sensor units and are available from multiple sources. Long-range sensors for standoff surveillance are optional.

R-400 includes built-in test and diagnostics to rapidly isolate faults or damage. R-400 has a strong record of high reliability and high operational readiness rates in combat operations.

R-400 is plug-and-play compatible with other EOS weapon systems. Below-armour control systems and above-armour mounting and cabling are compatible with other family members.

R-400 provides a reliable, flexible and powerful weapon station for fighting vehicles.

AT A GLANCE

- Single weapon station with a wide range of weapons supported
- Widely deployed in combat operations
- Stabilized
- Flexible ballistic protection
- Small dispersed modules allow integration into tight internal vehicle spaces
- Integrated video tracker and integrated video and audio recording options
- Integrated battlefield sector scan including 200 pre-settable target reference points
- Integrated firing inhibit zones with field adjustment
- Most modules in common with all EOS weapon systems from R-600 through R-200
- Compact sensor unit housing all sensors in an open architecture with multiple vendors
- Full BIT with advanced logistics support
- Ideal for 4 - 6 wheel fighting vehicles

EOS R-400 Technical Data

ENVIRONMENTAL DATA

Height above roof	687 mm
Weight above roof	160 kg (without ammunition, protection, weapon)
	250 kg (with M2 and 500 rds ammunition)
Weight below roof	26 kg
Operating temperature	-46°C to +60°C
Elevation	-20° to +60°
Elevation rate	60°/sec
Azimuth	n x 360°
Azimuth rate	82°/sec
Pointing accuracy	± 0.3 mil
Position accuracy	< 300 µrad
Power supply	28 V dc - 40 A

FIRING DATA

Stability under fire	2 mil
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Weapon Integration

(list of integrated weapons available upon request)

Universal cradle	5.56 mm or 7.62 mm
Universal cradle	12.7 mm or 40 mm AGL
25 mm canon	
30 mm canon	
SGL compatible	

Max. Ammunition Storage

5.56 mm	2000 rds linked
7.62 mm	1200 rds linked
12.7 mm	500 rds linked
40 mm	96 rds linked

OPTIONS

Ballistic Protection STANAG 4569 Level 2

Acoustic Sensors

SENSOR DATA

Daylight Camera (colour CCD)

Zoom range	x30 continuous
FoV	< 1.2° to > 34° on the display
Focus range	30 m to ∞

DRI (2.3 m x 2.3 m NATO target)

Detection range	> 8000 m
Recognition range	> 4700 m
Identification range	> 2900 m

Thermal Imager

Type	InSb cooled
Spectral band	3 - 5 µm
Sensor resolution	480 x 384 pixels
Zoom	x10 continuous
FoV (H)	3° - 31°
Focus range	30 m to ∞

DRI (2.3 m x 2.3 m NATO target)

Detection range	> 10350 m
Recognition range	> 3450 m
Identification range	> 1725 m

Laser Rangefinder

Type	Eye Safe Class 1
Wavelength	1.54 µm
Laser measurement rate	0.1 Hz
Laser range capability	50 - 7500 m
Range accuracy	± 2.5 m
Range resolution	± 2.5 m

OPTIONS

Thermal imagers with different range performance as well as complete third party camera systems available upon request.

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