

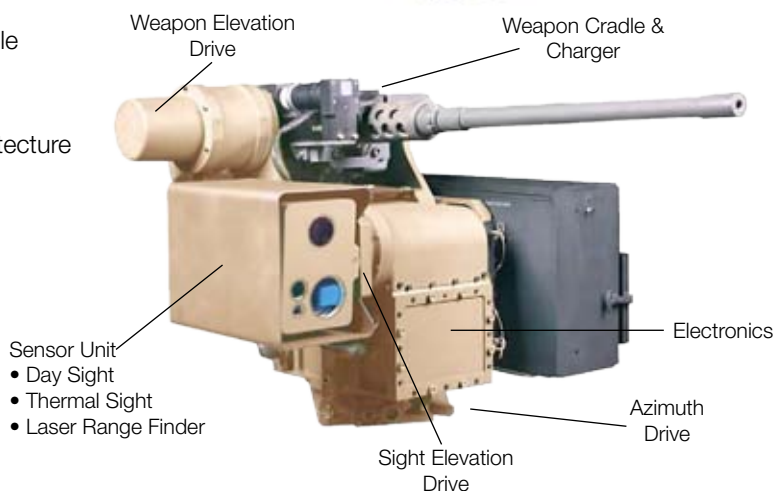


CS R-400(v)2

Stabilized Remote Weapon Station Single Weapon - Capability For Different Calibres

Features/Benefits

- 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
- Compact sensor unit housing all sensors in an open architecture with multiple vendors
- Full BIT with advanced logistics support
- Optimized for wheeled and tracked vehicles



Description

R-400(v)2 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. Canons up to 30 mm can also be operated from R-400(v)2 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.

The R-400(v)2 integrates advanced surveillance capabilities, including stabilized sensors and battlefield sector scanning with up to 200 pre-settable target reference points for rapid engage-

ment 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 stand-off surveillance are optional.

The R-400(v)2 includes built-in test and diagnostics to rapidly isolate faults or damage. The R-400(v)2 has a strong record of high reliability and high operational readiness rates in combat operations.

The R-400(v)2 provides a reliable, flexible and powerful weapon station for fighting vehicles.

About Us

Designing and manufacturing field-hardened systems to meet the challenges of the military for over 20 years. Control Solutions LLC, your rapid-response provider of motion control solutions.



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BR0084-02

CS R-400(v)2

Stabilized Remote Weapon Station

Technical Data

Specifications

Environmental Data	12.7mm HMG	7.62mm GPMG	40mm AGL
Height Above Roof	687 mm (27.00 inches)		
Weight Above Roof with WAK. Less weapon, protection & ammunition	179kg (395lbs)	167kg (368lbs)	179kg (395lbs)
Weight Above Roof plus weapon, protection & ammunition	340kg (750lbs)	283kg (624lbs)	297kg (655lbs)
Maximum Ammunition Load	500 rds	1200 rds	96 rds
Weight Below Roof	26 kg (57 lbs)		
Operating Temperature	-50.8° to +140° F (-46° to +60° C)		
Elevation	-20° to +60°		
Elevation Rate	60°/sec		
Azimuth	n x 360°		
Azimuth Rate	82°/sec		
Pointing Accuracy	± 0.3 mm (0.12 inches)		
Position Accuracy	< 300 µrad		
Power Supply	28 V dc - 40A		
Firing Data			
Stability Under Fire	1mrad		
Weapon Integration <small>(list of integrated weapons upon request)</small>			
Universal cradle	5.56 mm or 7.62 mm		
Universal cradle	12.7 mm or 40 mm AGL		
25 mm cannon			
30 mm cannon			
SGL compatible			
Sensor Data			
Daylight Camera (color 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 ∞ (98.43 feet)		
DRI (2.3 m x 2.3 m NATO Target)			
Detection Range	> 10350 m (6.43 miles)		
Recognition Range	> 3450 m (2.14 miles)		
Identification Range	>1725 m (1.07 miles)		

Options: Ballistic Protection STANAG 4569 Level 2, Acoustic Sensors and Thermal Imagers with different range performance as well as complete third party camera systems (available upon request).

All Specifications are subject to change without notice.



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