

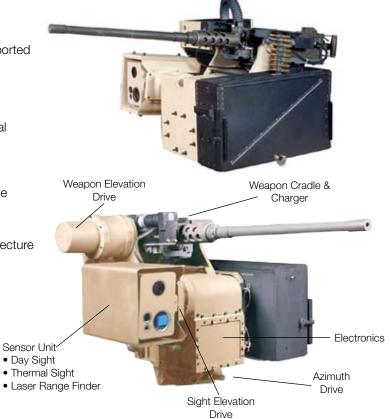
CS R-400(v)2

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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Stabilized Remote Weapon Station

Technical Data

Specifications

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Height Above Roof Weight Above Roof with WAK. Less weapon, protection & ammunition Weight Above Roof plus weapon, protection & ammunition Weight Above Roof plus weapon, protection & ammunition Maximum Ammunition Load 500 rds 1200 rds 96 rds 28 kg (624lbs) 297kg (656lbs) Maximum Ammunition Load 500 rds 1200 rds 96 rds 26 kg (57 lbs) Operating Temperature -50.8° to +140° F (-46° to +60° C) Elevation -20° to +60° Elevation Rate 60°/sec Azimuth 1 x 380° Azimuth Rate 82°/sec Pointing Accuracy Position Accuracy Power Supply 101 respect to the first three to three to the first three to the first three to three to three to the first three to three three to thre	Environmental Data	12.7mm HMG	7.62mm GPMG	40mm AGL	
Weight Above Roof with WAK. Less weapon, protection & ammunition 179kg (395lbs) 167kg (368lbs) 179kg (395lbs) 179k					
Protection & ammunition Protection Pr					
Maximum Ammunition Sang (routins) Zeokg (6x4ths) Zeokg (6x4ths) Zeokg (6x4ths) Zeokg (6x4ths) Zeokg (6x4ths) Zeokg (6x4ths) Seokg (5x4ths)	protection & ammunition	179kg (395lbs)	167kg (368lbs)	179kg (395lbs)	
Maximum Ammunition Load 500 rds 1200 rds 96 rds	Weight Above Roof plus weapon, protection &	240kg (750lba)	202kg (624lba)	207kg (655lbs)	
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	ammunition	340kg (730lbs)	203Ky (024IDS)	297 kg (000lbs)	
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	Maximum Ammunition Load	500 rds	1200 rds	96 rds	
Elevation Rate 60° sec Azimuth 7.20° to +60° Elevation Rate 60° sec Azimuth 7.360° Azimuth 8.20° sec Azimuth 8.20° sec Pointing Accuracy 2.30 mm (0.12 inches) Position Accuracy 4.300 µrad 2.8 V dc - 40A Firing Data 5.56 mm or 7.62 mm (0.12 inches) Position Accuracy 5.56 mm or 7.62 mm (0.12 inches) Position Accuracy 6.300 µrad 7.560 mm or 7.62 mm (0.12 inches) Position Accuracy 7.560 mm or 7.62 mm (0.12 inches) Position Accuracy 8.300 µrad 7.560 mm or 7.62 mm (0.12 inches) Position Accuracy 8.300 µrad 7.560 mm or 7.62 mm (0.12 inches) Position Accuracy 8.300 µrad 7.560 mm or 7.62 mm (0.12 inches) Position Accuracy 8.300 µrad 7.500 mm or 7.62 mm (0.12 inches) Position Accuracy 8.300 µrad 7.500 mm or 7.62 mm (0.12 inches) Position Po	Weight Below Roof	26 kg (57 lbs)			
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Azimuth Rate 82°/sec Pointing Accuracy ± 0.3 mm (0.12 inches) Position Accuracy 28 V dc - 40A Power Supply 28 V dc - 40A Firing Data Stability Under Fire 1mrad Weapon Integration (list of integrated weapons upon request) Universal cradle 15.56 mm or 7.62 mm Universal cradle 12.7 mm or 40 mm AGL 25 mm cannon 30 mm cannon 5GL compatible Sensor Data Daylight Camera (color CCD) Zoom Range 20 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 30 m to ∞ DRI (2.3 m x 2.3 m NATO Target) Detection Range 30 m to ∞ DRI (2.3 m x 2.3 m NATO Target) Detection Range 30 m to ∞ Detection Range 30 m to ∞ DRI (2.3 m x 2.3 m NATO Target)	Elevation	-20° to +60°			
Azimuth Rate Pointing Accuracy Positing Accuracy Position Accuracy Power Supply 28 V dc - 40A Firing Data Stability Under Fire Universal cradle Universal Crad	Elevation Rate	60°/sec			
Pointing Accuracy ± 0.3 mm (0.12 inches) Position Accuracy < 300 μrad Power Supply 528 V dc - 40A Firing Data Stability Under Fire 1mrad Weapon Integration (list of integrated weapons upon request) 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 > 4700 m Identification Range > 2900 m Thermal Imager Type InSb cooled Spentar Scensor Resolution 480 x 384 pixels Zoom Resolution s 3° − 31° Expensive Supplies to 1.2° to > 34° pixels Type Sensor Resolution 480 x 384 pixels Type Sensor Resolution 3° − 31°	Azimuth	n x 360°			
Position Accuracy	Azimuth Rate	82°/sec			
Power Supply Firing Data Stability Under Fire Universal cradle Universal cradle	Pointing Accuracy	± 0.3 mm (0.12 inches)			
Firing Data Stability Under Fire 1 mrad Weapon Integration (list of integrated weapons upon request) 5.56 mm or 7.62 mm Universal cradle 5.56 mm or 7.62 mm Universal cradle 12.7 mm or 40 mm AGL 25 mm cannon 25 mm cannon 30 mm cannon Sel compatible Sensor Data 20 mm sange 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) 20 mm to ∞ Detection Range > 8000 mm Recognition Range > 4700 mm Identification Range > 2900 mm Thermal Imager InSb cooled Spectral Band 3 - 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° - 31°	Position Accuracy	< 300 μrad			
Stability Under Fire 1 mrad Weapon Integration (list of integrated weapons upon request) 5.56 mm or 7.62 mm 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) 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) 200 mm Detection Range > 8000 mm Recognition Range > 4700 mm Identification Range > 2900 mm Thermal Imager InSb cooled Spectral Band 3 - 5 µm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° - 31°	Power Supply	28 V dc - 40A			
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25 mm cannon 30 mm cannon SGL compatible Sensor Data Daylight Camera (color CCD) Zoom Range	Universal cradle	5.56 mm or 7.62 mm			
30 mm cannon SGL compatible Sensor Data Daylight Camera (color CCD) Zoom Range	Universal cradle	12.7 mm or 40 mm AGL			
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) > 8000 m Detection Range > 4700 m Identification Range > 2900 m Thermal Imager InSb cooled Spectral Band 3 − 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° − 31°	25 mm cannon				
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) > 8000 m Detection Range > 4700 m Identification Range > 2900 m Thermal Imager InSb cooled Type InSb cooled Spectral Band 3 − 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° − 31°	30 mm cannon				
Daylight Camera (color CCD) 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) >8000 m Detection Range > 8000 m Recognition Range > 4700 m Identification Range > 2900 m Thermal Imager InSb cooled Spectral Band 3 − 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° − 31°	SGL compatible				
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Focus Range 30 m to ∞ DRI (2.3 m x 2.3 m NATO Target) > 8000 m Detection Range > 4700 m Recognition Range > 2900 m Identification Range > 2900 m Thermal Imager InSb cooled Spectral Band 3 − 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° − 31°	Zoom Range	x30 continuous			
DRI (2.3 m x 2.3 m NATO Target) Detection Range > 8000 m Recognition Range > 4700 m Identification Range > 2900 m Thermal Imager InSb cooled Spectral Band 3 - 5 µm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° - 31°	FoV	<1.2° to > 34° on the display			
Detection Range > 8000 m Recognition Range > 4700 m Identification Range > 2900 m Thermal Imager 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 ∞			
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°	DRI (2.3 m x 2.3 m NATO Target)				
Identification Range > 2900 m Thermal Imager InSb cooled Type InSb cooled Spectral Band 3 – 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° – 31°	Detection Range	> 8000 m			
Thermal Imager Type InSb cooled Spectral Band 3 – 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° – 31°	Recognition Range	> 4700 m			
Type InSb cooled Spectral Band 3 – 5 μm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° – 31°	Identification Range	> 2900 m			
Spectral Band 3 – 5 µm Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° – 31°	Thermal Imager				
Sensor Resolution 480 x 384 pixels Zoom x10 continuous FoV (H) 3° - 31°	Туре	InSb cooled			
Zoom x10 continuous FoV (H) 3° – 31°	Spectral Band				
FoV (H) 3° – 31°	Sensor Resolution	480 x 384 pixels			
	Zoom				
20 m to ~ (00 42 foot)	FoV (H)				
700us nange 30 m t0 ∞ (90.43 leet)	Focus Range	30 m to ∞ (98.43 feet)			
DRI (2.3 m x 2.3 m NATO Target)	DRI (2.3 m x 2.3 m NATO Target)				
Detection Range > 10350 m (6.43 miles)	Detection Range		, ,		
Recognition Range > 3450 m (2.14 miles)	Recognition Range	> 3450 m (2.14 miles)			
Identification Range >1725 m (1.07 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.

