



RCWS

REMOTE CONTROLLED WEAPON STATION FOR A VARIETY OF SMALL ARMS ARMAMENT

RCWS - the state-of-the-art Remote - Controlled Weapon Station for crew protection and target engagement. The RCWS is suitable for any light combat platform such as wheeled/tracked vehicles and fast attack craft/patrol boats.

RAFAEL's RCWS is suitable for integration in a variety of existing or new fighting vehicles. It provides enhanced accuracy, under-armor operation and flexibility of location at any hatch.



Main Features

- Complete remote operation
- Day/night operation
- Closed hatch and head-out operation capability
- Electric drives and firing
- Manual emergency mode of operation
- Safety firing inhibit system
- Built-in test
- Variety of weapons
- Low silhouette
- Stabilization (optional)

Main Advantages

- Light weight
- Improved gunner protection
- No toxic gas hazard
- Good ergonomics and habitability
- External ejection of spent cartridges and links
- Low weapon depression angles
- Firing while the vehicle is under cover
- Eye contact between the gunner and the vehicle crew
- Easy installation
- Remote control enables operational and technical flexibility
- Manual backup operation

Technical Data

Armament (Interchangeable by the crew)

7.62mm GPMG
or 12.7mm HMG
or 40mm AGL

Crew

One (option: dual control posts)

Ammunition

7.62 mm GPMG: 230 rounds ready for use
NATO Std. ammunition box
(option: 460 rounds ammunition box)
12.7 mm HMG: 100 rounds ready for use
(option: up to 200)
40 mm AGL: 32 rounds ready for use
(option: up to 48)

Control

Traverse:

Electrically controlled ± 360 deg.
High speed 1.0 rad/sec
Low speed 0.5 mrad/sec

Elevation:

Electrically controlled,
Elevation range: -20 deg. to + 60 deg.
High speed 1.0 rad/sec
Low speed 0.5 mrad/sec

Manual backup operation

Optics

Day sight: Charged Coupled Device (CCD) camera

Night sight: Thermal uncooled microbolometer camera
(Option: LLLTV Camera)

Display: LCD monitor

Weight

Over deck assembly: 105 kg

In hull assembly: 20 kg

Height Above Deck

535 mm.

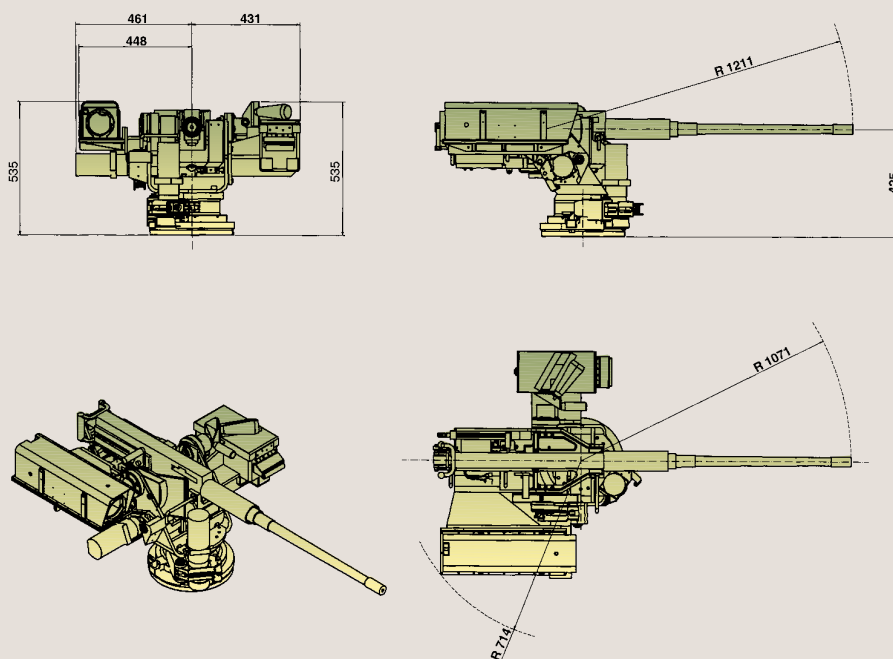
Power supply

24 VDC

Options:

Stabilization
Fire control
Remote charging
Slave mode
Long range observation

DIMENSIONS IN MM - 12.7mm, HMG



The manufacturer reserves the right to introduce technical changes without prior notice

RAFAEL

SMART AND TO THE POINT ●

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