

Technical Specifications

	Samson Jr.	Mini-Samson	Samson
Armament	Various types of 5.56 mm and 7.62 mm weapons	Various types of 5.56 mm, 7.62 mm 12.7 mm and 40 mm AGL weapons Optional: ATGM missile launcher (Spike or other), ASM launcher, Smoke grenade launcher	Main: 20 to 40 mm cannon Coax: 7.62 mm machine gun Optional: ATGM missile launcher (Spike or other), smoke grenade launcher
Ammunition	5.56 mm: up to 600 rounds 7.62 mm: up to 460 rounds	5.56 mm: up to 800 rounds 7.62 mm: up to 600 round 12.7 mm: up to 400 rounds 40mm AGL: up to 96 rounds ASM, Smoke grenades	Main: 200 rounds (dual feed) Coax: 460 rounds smoke grenades
Weight	Over deck assembly: 60/75 kg (132/165 lbs) In hull assembly: 20/28 kg (44/61.6lbs) Depends on configuration	Over deck assembly: 140 kg/160 kg (308 lbs) In hull assembly: 20/28 kg (44/61.6lbs) Depends on configuration	Combat weight: 1500 kg including weapons and ammo
Control	Traverse: Electrically controlled nx360° Elevation: Electrically controlled Range: -20° to +60° Manual backup operation Stabilization	Traverse: Electrically controlled nx360° Elevation: Electrically controlled Range: -20° to +60° Manual backup operation Stabilization	Traverse: Electrically controlled nx360° Elevation: Electrically controlled Range: -20° to +60° Manual backup operation Stabilization
Optics and Fire Control	Day sight: CCD camera Night sight: Thermal uncooled micro bolometer camera (Option: LLLTV) Display: MFD or LCD monitor Option: Line of Sight stabilization Auto-tracker Round counter Fire Control Optional: Commander post	Day sight: CCD camera Night sight: Thermal uncooled micro bolometer camera (Option: LLLTV) Option: Line of Sight stabilization Display: MFD or LCD monitor Auto-tracker Round counter Fire Control Optional: Commander post	Day sight: Color CCD camera w/x10 continuous zoom Night sight: Cooled FLIR Line of Sight stabilization Display: MFD or LCD monitor Auto-tracker Round counter Independent commander sight and operation post
Height above Deck	500/565 mm (19.7"/ 22") Depends on configuration	540/620 mm (21" / 24") Depends on configuration	Folded Position: 545 mm (21.4") (ammo chute detached) Extended Position 1010 mm(40")
Power Supply	24 VDC	24 VDC	24 VDC

Samson RCWS Family™

Remote Controlled Weapon Stations

Achieve maximum lethality with superior crew protection



Samson Jr.



Mini-Samson



Samson

Samson RCWS Family

Rafael designed the remote controlled weapon station as a solution for improving the survivability and fire power of various vehicles in the modern battlefield.

The Samson RCWS systems are comprised of two main assemblies: the weapon mount which is installed on the vehicle's deck and the gunner station which includes the display unit, control unit and control handle (MMI) which are installed under the deck.



Samson Jr.

Samson Family Benefits

- Maximum gunner protection
- Lightweight and low silhouette
- Accurate
- Modular installation
- Manual backup operation



Mini-Samson



Samson

Samson Family Features

- Complete remote operation
- External ejection of spent cartridges and links
- Slaving capability to external sensors
- Low weapon depression angles
- Electric drives and firing



Gunner MMI

Commander MMI

Samson Jr.

RCWS for a Variety of Small Arms Armament

The Samson Jr. RCWS is a very lightweight remote controlled weapon station, designed for use on Armored Fighting Vehicles (AFVs) and other vehicle types in which deck load and the silhouette must be kept to a minimum, such as MBTs, trucks, ambulances and other wheeled light vehicles.

The system provides the host vehicle crew and/or commander with defensive fire capability without compromising the vehicle's internal space. The Samson Jr. RCWS may host a variety of 7.62 mm or 5.56 mm machine guns (NATO western std.) and are interchangeable by the crew. Due to its size, it can also host sniper weapons and non-lethal weapons, making it suitable for paramilitary

missions as well as military operations.

The Samson Jr. RCWS is the weapon of choice for customers that require low weight and silhouette and weapons that don't exceed 7.62 mm.



Mini-Samson

RCWS for a Variety of Small Caliber Armament

The Mini-Samson RCWS is a state-of-the-art remote controlled weapon station for crew protection and target engagement. It is suitable for any light combat platform such as wheeled or tracked vehicles and fast attack boats.

The Mini-Samson RCWS has a modular, plug-and-play configuration that enables it to accommodate a variety of weapons and weapon combinations, including most types of 5.56, 7.62mm 12.7mm or a 40mm AGL. It may also host a dual anti-tank missile launcher as well as an ASM launcher and smoke grenade launcher.

Mini-Samson RCWS is a multi-purpose weapon station which enables day & night operation.

Shooting is precise and the stabilization system enables fire on the move. It fits every vehicle and every operational need.



Samson

RCWS for 20 to 40 mm Cannons

The Samson RCWS is a remote controlled weapon station suitable for most high mobility, armored vehicles, that allows under-the-deck operation from any position (gunner and/or commander), without occupying much space within the vehicle. It provides low silhouette in its folded down position and generous elevation range in its extended position.

Its fire control system includes a high performance day/night sight, stabilized Line of Sight (LOS) LRF. The Samson RCWS incorporates an independent commander sight and operation post which facilitates hunter-to-killer mode. A powerful on-board computer enables effective fire control and full integration with any battle management system.

The Samson RCWS armament includes: 20 to 40 mm cannons and optional launcher pod for two SPIKE-LR anti-tank/multi-purpose guided missiles (or similar missiles) and a coaxial 7.62 mm machine gun.

