



R500

Ready for the future of defence, the R500 is the ultimate solution for ensuring battlefield superiority.

Unleash the power of cutting-edge technology with the R500, the latest advancement in remote weapon station systems. This state-of-the-art system is designed to meet the evolving demands of modern warfare, offering unparalleled lethality, situational awareness, and survivability.

The R500 is ITAR-free, making it an ideal solution for international defence forces seeking flexibility and performance without restrictions. Enhanced with a 25 x 137 mm cannon or dual-feed 30 x 113 mm, the system delivers increased firepower, while an improved thermal/EO sensor suite and advanced AI tracking capabilities provide superior target acquisition and engagement accuracy.

With an expanded ammunition capacity and cutting-edge BLOS effectors, the R500 is designed for multi-layered defence, including Counter-UAS (C-UAS) capabilities. The integration of new sensors and tracking technology ensures survivability against evolving threats.

The system's enhanced operability is complemented by a new control approach that reduces latency for faster decision-making and actionable responses in the most demanding operational environments.

KEY FEATURES

Dual feed cannon

Large ammunition capacity

Dual weapon capable with high effector payload

300+ rounds 30 mm, single or dual can
Dual feed: 1000 rounds 7.62 mm

New high resolution sensor unit with additional CUAS sensors

New STANAG level 2 add-on armour

New digital low-latency architecture and high-performance edge AI hardware

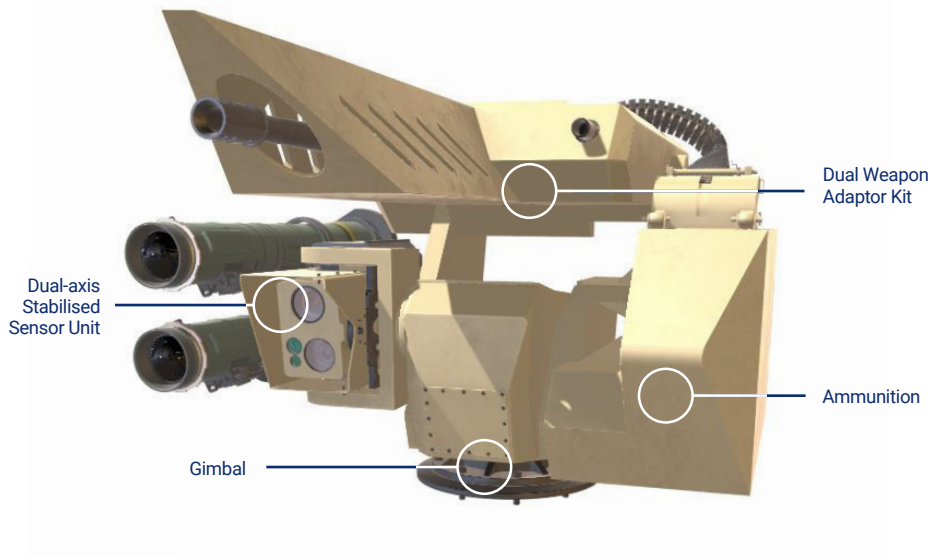
CUAS Radar, advanced algorithms and AI targeting

Very high elevation for CUAS applications

New modern user interface

UGV ready with new wireless control suite.

The R500 is an ITAR-free RWS with unparalleled lethality, increased firepower and situational awareness through advanced AI tracking capabilities.



SPECIFICATIONS	BASELINE SYSTEM	OPTIONS
Primary armament	M230LF Dual Feed 30 x 113 mm	DAYCRAFT AC 25 x 137 mm 30M781MPG 30 x 113 mm VENOM 30 x 113 mm Dual M2/M3 Browning 12.7 mm
Secondary armament	GPMG 7.62 mm	
Ammunition load (30 mm)	300 rounds (1 x containers)	400 rounds (2 x containers)
Ammunition load (7.62 mm)	1000 rds	
Inline effectors	Nil	RF Jammer GPS Spoofer Laser Dazzler
Side mount effectors	2 x ATGM (Raybolt, Javelin, Spike, TOW)	4 x 70 mm LGR (APKWS, Talon, Poniard ,FZ123/275) 2 x SAM (Coyote, Stinger, STARStreak) 2 x LM (Hero90, Switchblade 600) 4 x CLD (VIPER)
Sensors	High resolution CZ day camera High resolution CZ thermal Laser Range Finder	Radar RF Sensor Acoustic Sensor Optical Radar
Protection	STANAG Level 2 Ballistic AOA	Composite FaçadeMarine Weather Shield
Ballistic protection	Basic add-on armour kit: STANAG Level 2 to sensor units, ammunition and electronics	
Elevation range	+75 to -15 degrees	
Height*	930 mm	
Length*	2760 mm	
Width*	1100 mm	
Weight (base)	320 kg (RWS only)	
Weight (operational*)	660 kg (RWS + baseline weapon and ammo)	
Weight Payload	+250 (for optional effectors, sensors and armour)	

* M230LF with single ammo can and no additional effectors