



R150

Lightweight force protection

The R150 is life-saving technology that protects soldiers by allowing them to operate the system from within a vehicle, reducing their exposure to hostile fire.

This ITAR-free Remote Weapon System (RWS) is stabilised, accurate, and lightweight. It sets a new standard for accurate firepower with the capability to mount and fire weapons up to 14.5 mm calibre on the move and over long range.

The R150 is suitable for platforms where weight is constrained. With the high-performance EOS Sensor Unit and the 14.5 mm heavy machine gun mounted, it is a capable intelligence, surveillance and reconnaissance tool with high-level firepower. With a medium-performance sensor unit and a light or medium machine gun, it provides excellent self-defence capabilities for combat support and logistics platforms.

It is possible to configure the R150 with a roof weight of less than 100 kg (220 lbs) before adding weapons and ammunition.

The R150 features a standard user interface common across all our RWS, making it easy for operators to switch between systems and significantly reducing training and logistics requirements for both the organisation and individuals.

KEY FEATURES

3 axis stabilised gimbal: yaw, pitch and roll – moving or static platform firing

Automatic target tracking

GVA compliant

Day/thermal camera with eye safe laser rangefinder

Fitted with an APKWS laser guided rocket launcher can achieve drone defeat at 4500m

Capable of high accuracy < 1 mrad RMS

Programmable target reference points

Plug-and-play compatible with other EOS weapon systems

Lightweight, fully stabilised, ITAR-free remote weapon system, capable of mounting and firing weapons up to 14.5 mm on-the-move and over long range.



SPECIFICATIONS	M2 12.7 mm HMG	MAG 58 7.62 mm GPMG	MG5-A1 7.62 mm	M134D	MINIMI 5.56 mm
Height above roof	608 mm minimum NO DECK CLEARANCE PLINTH				
Tare weight above roof (excl. weapon and max. ammunition)	100 - 109 kg	100 - 108 kg	TBC	107 kg	
Gross weight above roof (inc. weapon and ammunition)	174 kg	135 kg	TBC	125 kg	
Weight below roof – Control Group	21 kg				
Max. ammunition load	500 rds	550 rds	1000 rds	750 rds	
Elevation / depression	+75°/-30° <i>*Requires 125 mm plinth</i>	+75°/-30° <i>*Infantry butt requires 135 mm plinth</i>	+75°/-30°	+75°/-30° TBC	+75°/-30° <i>*Infantry butt requires 135 mm plinth</i>
Sweep diameter	1704 mm	1628 mm	1300 mm	1606 mm	
Gimbal firing stability	<1 mrad				

SENSOR UNIT	DAY CAMERA	THERMAL IMAGER
Detection range	> 12,000 m	> 13,700 m
Recognition range	> 5600 m	> 5100 m
Identification range	> 4700 m	> 4000 m

UNCREWED LETHALITY



SELF PROTECTION*



The L3Harris VAMPIRE™ system with the R150 gimbal

* Older model may be shown