



VK-ROWS™ 12.7MM REMOTE OVERHEAD WEAPON STATION

Technical Data

Characteristic

Description

Weapon Interface	12.7mm HMG
Stabilisation	<±3mrad
Ready rounds	Up to 500 rounds
Method of fire	Single Shot and Burst
Traverse	n X 360° arc of traverse in <8 seconds
Elevation	+45° to -15° over the full range of traverse
Position sensors	Reporting mount angular position with accuracy of <1mrad
Weapon control	Remote cocking and trigger mechanism
Man Machine Interface (MMI)	ROWS Servo commands, System Status, Weapon Cock- and Fire Command Ammunition load interface
Gunner MMI	Incorporates switches and on-screen messages, Ballistic laser aiming mark, LRF aiming mark and Weapon position indicator
Controls	Optronic control functions included in 2 axis handgrip
Weapon Control Panel	Cocking, Rate of Firing and Safety Interlock
Height	635mm Above roof
Depth inside vehicle	290mm Below roof
Width	850mm
Weight (nominal)	195 Kg Excluding Weapon and Ammunition.
Power consumption	140A peak 5A continuous @ 24V dc
Safety	Safety interlock to prevent discharge, Software fire inhibit zones 12.7 Armour piercing rounds protection on mount structure and payload

- Full remote operation (cock, fire, sighting and reloading from under armour).
- Integrated video bore sighting capability.
- 500 round capacity with ready round counter.

Sighting System

Day Camera	Colour camera with 5°HfoV and 3 x Digital Zoom
Thermal Imager	Uncooled microbolometer, Spectral range 8- 12µm, 5° Horizontal Field of View Resolution 384 x 288 pixels and 2 x Digital Zoom
Laser Range Finder	Eye safe. Ranging capability of 2000m on NATO size Target