

HITFIST®
OWS 30MM



OWS 30MM (OVERHEAD WEAPON SYSTEM) REMOTE WEAPON STATION FOR INFANTRY FIGHTING VEHICLES

The HITFIST® OWS is a remotely operated Overhead Weapon Station (OWS) incorporating the latest technologies in the fields of electronics, signature and Man Machine Interface (MMI). It is the best-of-class in terms of lethality, survivability and fight ability.

HITFIST® OWS can be easily installed on any tracked and wheeled vehicle, as no hull penetration is required, and it is ready to operate without any preparation.

The main armament consists of a 25mm or 30mm cannon, electrically controlled for elevation, traversing and firing operations. As an option the main armament can be also completed by side mounting two anti-tank missile launchers.

A 7.62mm machine gun can be coaxially mounted besides the main cannon. HITFIST® OWS can be completely controlled by one crew member from a remote position, under armour protection, through a multifunction colour display and joysticks properly accommodated inside the vehicle.

Moreover the operator, standing up from its own seat, can have a 360° direct vision of the battlefield through the episcopes, and perform the ammunition reloading and simple maintenance operations. The above mentioned operations can be performed through dedicated hatch in the floor of HITFIST® OWS and in the roof of the vehicle.

HITFIST® OWS's FCS guidance set allows engagement of targets by day and night; the electrical, fully digital and stabilized servo-systems ensure the highest accuracy.

HITFIST® OWS's digital FCS includes a CCD camera, an IR Camera, an eye safe LRF, meteo and vertical reference sensors suite.

HITFIST® OWS can be fitted with a self stabilized Panoramic Sight with Day TV camera and IR Camera including situational awareness and full hunter capability modules.

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A second control station for the Commander can be accommodated under armour. When this second station is installed, either the Gunner or the Commander can fully operate the weapon systems.

In case of power failure HITFIST® OWS can be manually operated under protection, both in azimuth and elevation assisted by a back-up fibre optic direct sight for aiming.

MAIN CHARACTERISTICS

ARMAMENT	
Main Weapon	30mm MK44 ATK
Secondary weapon	7.62mm coaxial
Anti tank weapon	2 missile launchers (twined) - SPIKE - KORNET - INGWE
FIRING DIRECTION SYSTEM	
Main weapon	Fully digital gyro stabilized
Gunner sight	Gyro stabilized in elevation Gen II IR camera Daylight Color TV Camera Laser Range Finder Back up fiber optic sight for manual aiming
Commander sight	6 episcopes LIP (low internal profile) on the roof 1 front episcopes LIP under the floor for direct external vision direct from the crew compartment Panoramic stabilized day/night (option) or Panoramic Thermal Imager (option)
Ballistic computation	Full solution on the move Dynamic tilt and meteo sensors
Manual back up	Aiming and firing from inside
Gunner control panel	Colour LCD 12"
Commander control panel	Colour LCD 10" standard - 12"(option)
PROTECTION	
Turret frame	Basic environmental all around, with 7.62 ball roof, interface up to Standard NATO 4569 lev.III (option) with add-on kit

TURRET ACCESSIBILITY	
Through a dedicated hatch in the turret floor	Reloading, aiming solution Maintenance & repair
WEIGHT	
Dry	1650kg with console in vehicle & Level 3 protection for crew compartment
Combat	According to configuration and level protection
CONTROLS	
Traverse Arc	N x 360°
Elevation Arc	-10° to +75°
Traverse Speed	0.5 / 0.8 rad/s
Elevation Speed	0.8 rad/s

- Ready to fire system
- All the subsystem under protection
- Low weight and small dimensions
- Remotely operated by one operator
- Direct panoramic view
- Manual back-up including fire from protected position
- Reloaded from protected position.

