

WEAPON STATION Sniper W-30

PRODUCT OVERVIEW



The Sniper W-30 is an ultra-light, all-in-one remote weapon station, ready for combat at any time, capable of mounting small-caliber machine guns. It can be installed on a tripod for fixed-position defense, or mounted on small manned or unmanned vehicles to effectively engage enemy personnel or provide fire support.

Through tactical deployment, it can conduct reconnaissance, target elimination, provide fire support during assault operations, as well as security and area control missions in complex battlefield environments.

Sniper W-30 Equipped with a multi-sensor smart camera, it enables day/night reconnoiter through its color camera and infrared camera. The laser rangefinder provides precise target ranging.

The Sniper W-30 is integrated with a commander-style fire control system, ensuring high accuracy and rapid response when engaging targets.

The Sniper W-30 features AI-enabled capabilities for coordinated operations with radar, forming an integrated detection-and-engagement counter-UAV solution against Low, Slow, Small Drones (LSS) drones. When the radar detects a UAV target within a range of up to 5 km, the K30 automatically slews to the direction of the target in real time.

As the target closes to 1,000m, the Sniper W-30's camera autonomously identifies and locks onto the target. Then the system executes intelligent fire control computation and executes the UAV neutralization sequence.

Application:



TECHNICAL SPECIFICATIONS

Specification Category	System Attribute	Parameter
Machine Gun	Mass	10.5 kg (23.15 lb)
	Length	1,105 mm (43.5 in)
	Barrel length	560 mm (22.0 in)
	Cartridge	7.62×51mm NATO
	Caliber	7.62 mm (0.308 in)
	Action	Gas-operated, short-stroke gas piston, opened rotating bolt
	Rate of fire	550-650 rounds/min
	Muzzle velocity	2,800 ft/s (853 m/s)
	Effective firing range	1,200 yd (1,100 m)
	Maximum firing range	4,073 yd (3,724 m)
	Feed system	Disintegrating belt with M13 Links
	Sights	Iron sights
Weapon Station	Counter-UAS Capability	<ul style="list-style-type: none"> • Effective anti-UAVs: 1000m • Maximum firing range: 3000m
	Compatible Weapons	Machine Guns: M60 Ammunition: 7.62mm NATO
	Wight	≤25kg (without guns and ammunitions)
	Azimuth Coverage	360°
	Elevation Coverage	-20° to +45° (Depends on Weapon)
	Slew Rate	Azimuth : Max ≥60°/s, Min ≤0.03°/s Elevation : Max ≥45°/s, Min ≤0.03°/s
	Slew Rate Accelerations	Azimuth : Max ≥60°/s ² Elevation : Max ≥60°/s ²

	Maximum tracking rates	Azimuth : Max $\geq 5^\circ/s$ Elevation: Max $\geq 5^\circ/s$
	Power	DC30-52V $\leq 300w$
EO/IR on weapon station	Wight	$\leq 3kg$
	EO	1920×1080 Pixels 30FPS WFOV: $61.9^\circ \times 37.4^\circ$ NFOV: $2.3^\circ \times 1.3^\circ$
	IR	640×512 Pixels 30FPS WFOV: $9^\circ \times 7^\circ$
	Azimuth Coverage	360°
	Elevation Coverage	$-20^\circ \sim +60^\circ$
	Slew Rate Accelerations	Azimuth : Max $\geq 90^\circ/s$, Min $\leq 0.03^\circ/s$ Elevation: Max $\geq 60^\circ/s$, Min $\leq 0.03^\circ/s$
	Detection distance	EO: $\leq 2000m$ (Depend on type of target) IR: $\leq 1,000m$ (Depend on type of target) LRF: $\leq 1200-1500m$ (Depend on type of target)
	Tracking mode	Manual tracking, automatic tracking and radar-guided tracking
	Intelligence	Support personnel, vehicles and UAVs target detection, recognition and tracking
	Detection angle	Azimuth is $n \times 360^\circ$ and the pitch is $-20^\circ \sim +60^\circ$