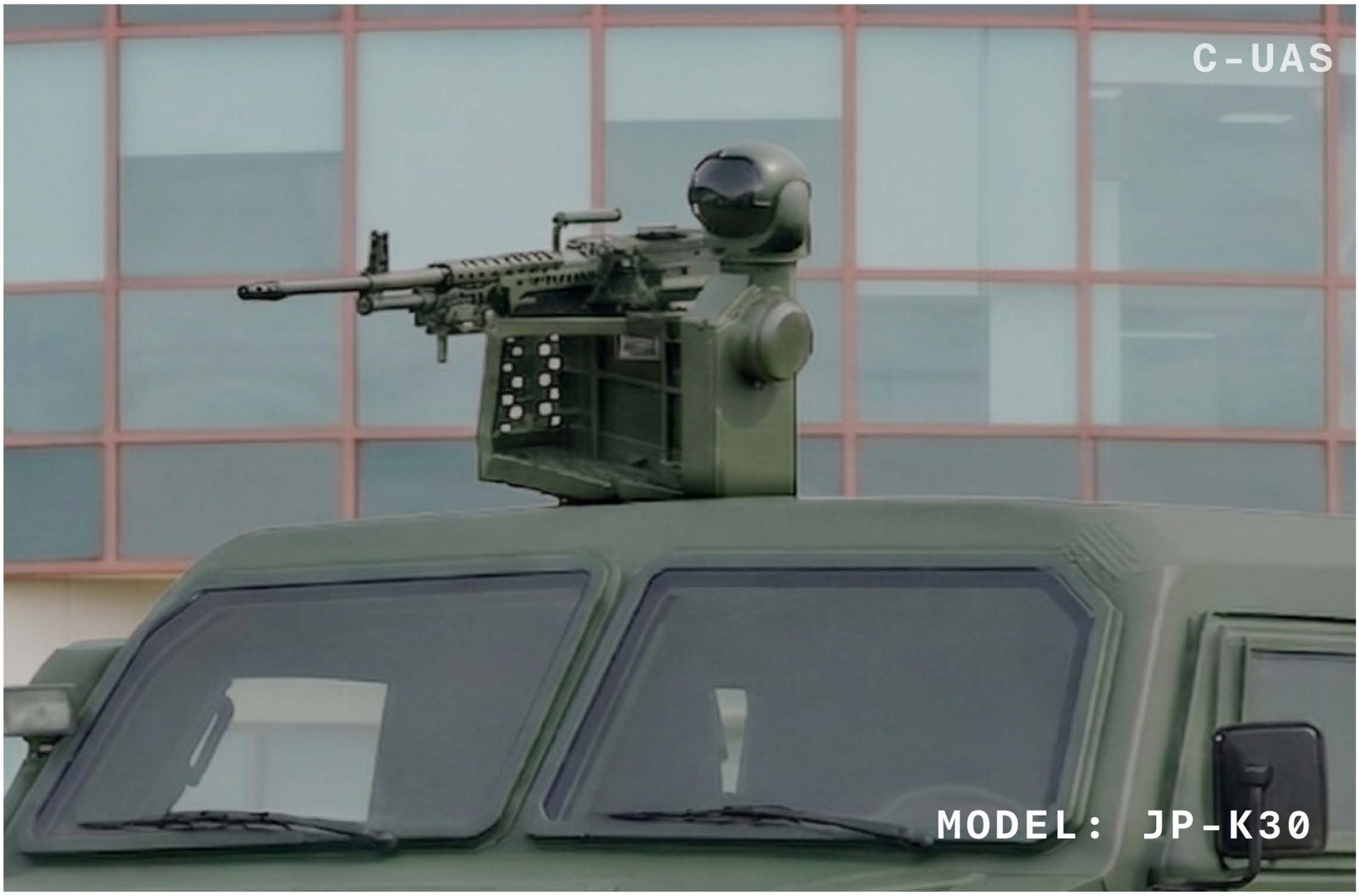

WEAPON STATION

The **JP-K30** is an ultra-light, all-in-one remote weapon station, ready for combat at any time, capable of mounting small-caliber machine guns.

It is mounted on the Anti-Drone bulletproof vehicle for fixed-position defense to effectively engage enemy's unmanned aerial vehicle (UAVs) or to 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.

JP-K30 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 JP-K30 is integrated in the main Command and Control (C2) system with a commander-style fire control system, ensuring high accuracy and rapid response when engaging targets.

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MAIN FEATURES

WEAPON STATION

SYSTEM CHARACTERISTICS AND ADVANTAGES

1

It can be fixed and deployed using a tripod, and installed on fixed fortifications such as rooftops, windowsills, and parapets; Meanwhile, it can be mounted on light/small manned and unmanned vehicles.

2

A high-performance two-axis (elevation and azimuth) gyro-stabilization system, ensuring operational accuracy under dynamic conditions.

- Stabilization Accuracy: ≤ 3mil (1σ) under typical cross-country vibration profiles.

3

Stabilization Methodology:

- Sensors: Integrated Gyroscopes for real-time motion sensing.
- Control Logic: A closed-loop servo control system utilizing advanced PID algorithms and feed-forward compensation to counteract vehicle hull motion (pitch, roll, and yaw).
- Drive System: High-torque brushless DC motors coupled with high-resolution encoders to ensure smooth tracking and precise pointing at long ranges.

4

The weapon station can effectively integrate with Command & Control System and work with Soft Kill system seamlessly.

5

Equipped with a lightweight multi-sensor smart camera, it enables day/night reconnoiter through its color camera and infrared camera. The laser rangefinder provides precise target distance measurement.

6

Integrated with an intelligent fire control system. It enables automatic target acquisition, tracking, and aiming, thereby facilitating rapid, efficient, and precise target engagement.

TECHNICAL SPECIFICATIONS

WEAPON STATION

MAIN TECHNICAL SPECIFICATIONS

Specification Category	System Attribute	Parameter
Machine Gun	Mass	12.8 kg
	Length	1,192 mm
	Barrel length	602.8 mm
	Cartridge	7.62×51mm NATO
	Caliber	7.62 mm (0.308 in)
	Action	Gas-operated, Long-stroke piston, air-cooled,bolt rotation locking.
	Rate of fire	500-650 rounds/min
	Muzzle velocity	2,800 ft/s (853 m/s)
	Effective firing range	1000 m
	Maximum firing range	3500 m
	Feed system	Disintegrating belt with M13 Links
	Sights	Iron sights
Weapon Station	Counter-UAS Capability	• Effective anti-UAVs range:1000m • Maximum firing range:3000m
	Compatible Weapons	Machine Guns: Ammunition:7.62mm x 51mm NATO
	Weight	≤25kg (without guns and ammunitions)
	Azimuth Coverage	360°

TECHNICAL SPECIFICATIONS (CONTINUED)

WEAPON STATION

MAIN TECHNICAL SPECIFICATIONS

Specification Category	System Attribute	Parameter
Weapon Station (Continued)	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°/s2 Elevation:Max ≥60°/s2
	Maximum tracking rates	Azimuth :Max ≥5°/s Elevation:Max ≥5°/s
	Power	DC30-52V ≤300w
EO/IR on weapon station	Weight	≤3kg
	EO	1920×1080 Pixels 30FPS WFOV: 61.9°×37.4° NFOV: 2.3°×1.3°
	IR	640×512 Pixels 30FPS WFOV: 9°×7°
	Azimuth Coverage	360°
	Elevation Coverage	-20°～+60°
	Slew Rate Accelerations	Azimuth : Max ≥90°/s, Min ≤0.03°/s Elevation: Max ≥60°/s, Min ≤0.03°/s
	Maximum Detection Distance	EO: = 2000m IR: = 1,000m LRF: = 1200m

TECHNICAL SPECIFICATIONS (CONTINUED)

WEAPON STATION

MAIN TECHNICAL SPECIFICATIONS

Specification Category	System Attribute	Parameter
EO/IR on weapon station (Continued)	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×360° and the pitch is -20°～+60°