

REMOTE WEAPON STATION

HUNTER-1

DESCRIPTION

Remote-controlled Weapon Station is designed and developed to enhance operational effectiveness and safety in modern combat and defense scenarios by enabling the remote operation of heavy machine guns, such as the 7,62 & 12,7 calibers from a safe and secure location.

This system is particularly well-suited for applications in border security, vehicle-mounted defense, and other scenarios requiring rapid response and precision. With a focus on modularity, ease of use, and adaptability, Hunter-1 can be tailored to meet diverse operational requirements across various missions.

By combining state-of-the-art optics, stabilization systems, and intelligent control interfaces, RWS-01 ensures high performance and reliability in a wide range of environmental and operational conditions.

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Modular design enables rapid swapping of weapons and sensors. Equipped with an integrated fire control system featuring a ballistic computer for precision targeting. It offers multi-platform compatibility, supporting deployment on land vehicles, naval ships, and more. Includes a specialized Anti-UAV mode for enhanced defense capabilities.

A remote-controlled system with ergonomic joysticks and a touchscreen interface, along with integrated target tracking and automatic ballistic correction, ensures precise control, real-time adjustments, and accuracy, making operations more efficient, user-friendly, and safe.

STABILIZATION

Stabilization: **6-axis gyroscopic**
Accuracy: **± 0.5 mrad****

WEAPON COMPATIBILITY

Primary weapon: **7.62 mm, 12.7 mm machine gun**
Ammunition storage: **Machine gun 500 rounds***

ROTATION

Traverse (Azimuth): **360° 2x full rotations**
Elevation: **-20° to +70°**
Traverse/Elevation Speed: **Not fixed****
Manual Mode: **35°/sec**
Automatic Mode: **Up to 70°/sec**

ENGAGEMENT RANGE

Effective: **800 – 1,000 m***
Maximum: **2,000 m**

POWER / COMMUNICATION

Power supply: **24–48 V DC******
Standby power consumption: **~150 W**
Operating power consumption: **~300 – 700 W****
Wireless communication range: **Up to 2,000 m****
Communication type: **Radio or wired encrypted data link****

SYSTEM WEIGHT

Without weapon: **45 kg**
With weapon & ammunition: **70 kg***

DIMENSIONS

Width: **600 mm**
Length: **1,100 mm***
Height: **505 mm**

OPERATING ENVIRONMENT

Temperature: **-20°C to +60°C**
Humidity: **Up to 95%**
Sealing: **IP65 DIN 40050*****

DAY CAMERA

Resolution: **4K**
Optical zoom: **30x**
Digital zoom: **12x**

THERMAL CAMERA

Resolution: **1280 × 1024**
Detection Range: **1,500 – 2,000 m**
Spectral Band: **8 ~ 14 μ m**

LASER RANGEFINDER

Range: **6,000 m**
Accuracy: **1 – 2 m**

** depending on weapon type ** depending on conditions *** dust and waterproof **** vehicle-mounted or battery-operated*