SkyfendHunter

DETECTION AND JAMMING IN ONE

APPLICATION

SkyfendHunter is a portable jammer featuring detection, jamming and direction finding and is effective against most models of unmanned aerial vehicles (SUAVs).

SkyfendHunter detects and warns of drone signals in all directions. Once a drone has been detected, the user can use the directional antenna to orientate the drone.

SkyfendHunter automatically adjusts the jamming frequency targeting the flight control/image transmission signals based on the detected drone model, eliminating the need for manual configuration by the user. Interfered UAVs will be either passively returned or forced to land.

SkyfendHunter is equipped with a touch panel so that users can easily access useful information.
The product and accessories are packed in a rugged carry case.

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FEATURES

Full-band Omnidirectional Detection Warning

Omni-directional drone detection, 400MHz~6GHz full-band coverage, detection distance over 1.5km.
When a drone enters the detection zone, detection and warning can be achieved within 4 seconds.

Full-band Intelligent Jamming

SkyfendHunter can jam the Flight Control/Image Transmission Signals and GNSS band, covering a frequency range of 400MHz to 6GHz. SkyfendHunter automatically adjusts the jamming frequency targeting the flight control/image transmission signals based on the detected drone model, eliminating the need for manual configuration by the user. Upon successful drone jamming, the communication between the drone and the pilot is disrupted, leading to the drone being either passively returned or forced to land.

Direction Finding

SkyfendHunter can display the direction (azimuth/pitch angle) of the detected drone on the screen, aiding in targeting and improving the effectiveness of countermeasures.

Note: Skyfend Hunter has direction finding capability in the bands of 2.4GHz and 5.8GHz. Direction finding is not supported when the detected drone is in other bands.

Data Visualization

The 3.5-inch touchscreen offers a range of directional guidance operations to assist users in quickly aligning the drone's direction. When used in conjunction with radar, it provides a more intuitive view of the status of the targeted drone and feedback on successful strikes within the C2 system.
Users can utilize the touchscreen to adjust basic settings such as alarm modes, device connectivity, and software updates.

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SPECIFICATIONS

BASIC SPECIFICATION

Size (LxWxH): 778*337*113mm
Weight: 6.5kg
Interaction: Trigger, Touch Screen, Buzzer, Vibration
Color: Starry gray

JAMMING MODE

Signals Jammed: Flight Control and Image Transmission Signals, GNSS Signals
GNSS Signal Interference: Covers the global satellite positioning signal types,e.g. GPS, GLONASS,BeiDou, Galileo.
Frequencies: 400MHz-6GHz (Full Band)
FoV: Azimuth: ±15° / Pitch: ±7°
Jamming Power: 20W@400 MHz~2GHz / 20W@2GHz~4GHz / 40W@4GHz~6GHz
Jamming Range: 3km
Operation Time(Jamming): 1hour
Automatic Frequency Adaptation: Supported

DETECTION MODE

Signals Detected: UAV Signals
Frequencies: 400MHz-6GHz (Full Band)
Direction: Omnidirectional
Detection Range: 2km
Operation Time(Detection): 8hours

ALIGNMENT MODE

UAV Direction Finding(azimuth/pitch angle alignment): Supported
Direction Finding Precision: Azimuth：10° / Pitch：10°

OTHER

UAV Model Identification: Supported
(Identify and classify mainstream UAV models, intelligently configure jamming strategies)
System Integration: Supported
(**Skyfend**Hunter can be integrated with C2 system and radars, forming a system-level intelligent solution.)

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SCREEN
Size: 3.5inch
Resolution: 1280 × 720
Color: Stripe RGB
Touch: 2 points touch
Operation System: Android
Information Displayed: Operational status, user prompt messages, detected drone information

PHYSICAL BUTTONS
Trigger: To turn on/off radio interference

FUNC Button: For certain functions. Please follow the screen prompts to use

CONNECTIVITY
Wireless Connection: Wi-Fi/Bluetooth: Only used for connecting to C2 systems

Interface: Type-C x 1: Only used for connecting to a computer (client workstation) for software upgrades and log retrieval

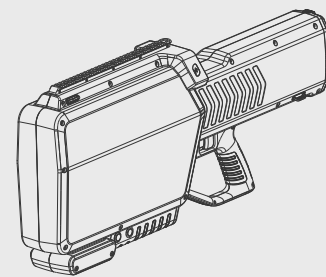### RELIABILITY
Operating Temperature: -20 to 55°C
Storage Temperature: -20 to 60°C
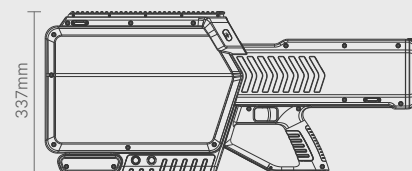**IP Rating:** IP65
Upgrade: Software version can be updated via client app or C2 system
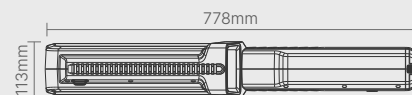**Product Log:** Product logs can be read via client app or C2 system
APP: Client app that can be used for software updates and product log reading

PICTORIAL VIEW

337mm

SIDE VIEW

778mm
113mm

TOP VIEW

Carry Case Contents:
Battery x 2 (21.8V, 152.6WH)
Charging Base x 1
Adapter x 1 (100V ~ 240V, 50Hz ~ 60Hz)
Power Cable x 1
Shoulder Strap x 1
Type-C Cable x 1

Optional Accessories:
Scope (Installed on the Picatinny rail)
Tripod