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ALFA

Drone-UAV Jammer Systems

The Safeguard Against Unmanned Aerial Attacks

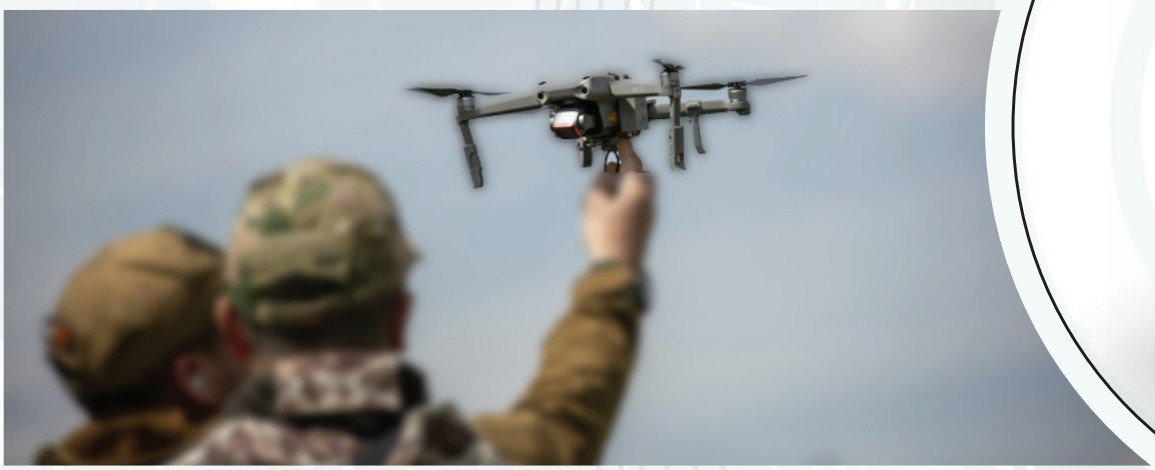
Unmanned aerial vehicles (UAVs) or drones are becoming increasingly popular for a variety of purposes, from commercial and industrial applications to recreational use. However, the same technology that makes drones so useful can also be used for malicious purposes, such as carrying out attacks.

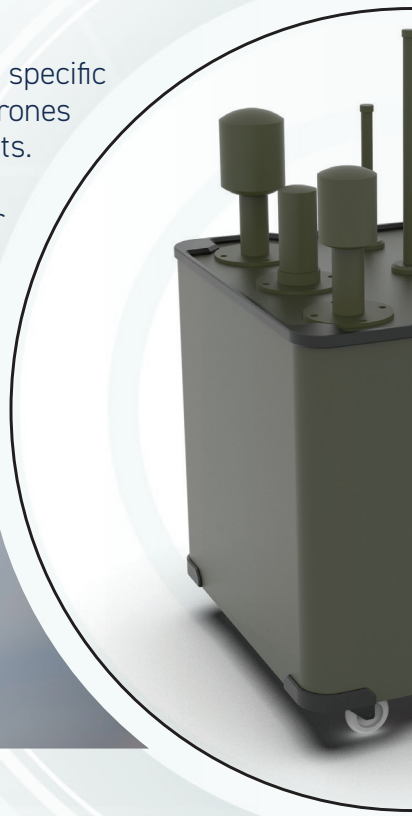
This is why there is a growing need for drone-UAV jammer systems. These systems work by disrupting the radio signals that control a drone, effectively disabling it. This makes them an essential tool for protecting critical infrastructure, sensitive areas, and public events from drone attacks.

There are a number of different drone-UAV jammer systems available on the market, each with its own set of features and capabilities. Some systems are designed for short-range use, while others can jam drones at distances of up to several kilometers. Some systems are also portable, making them ideal for mobile applications.

When choosing a drone-UAV jammer system, it is important to consider the specific needs of your application. Factors to consider include the size and type of drones you need to protect, the range of the system, and the portability requirements.

With the right drone-UAV jammer system, you can help to keep your organization safe from the threat of drone attacks.





Our Company's New Drone-UAV Jammer System ALFA

We are proud to announce the design and testing of our new fixed-type ALFA drone-UAV interception system. This system is the most advanced on the market, and it offers a wide range of features that make it ideal for protecting critical infrastructure and sensitive areas from drone attacks.

Here are some of the features of our ALFA system

- **24-hour operation**

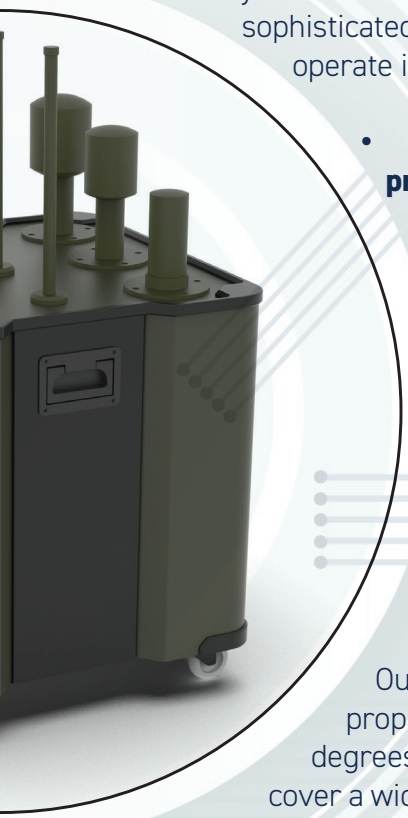
Our system is designed to operate 24 hours a day, 7 days a week. This means that you can be confident that your assets are protected at all times.

• High scanning speed

Our system has a high scanning speed, scanning all frequency ranges in the relevant bands at 1 KHz and below. This means that you can quickly identify and jam any drones that are operating in your area.

• Block-protected GNSS modules

Our system can block GNSS modules that are protected by encryption. This means that you can be confident that even the most sophisticated drones will be unable to operate in your area.



• Reduced harmonic propagation

Our system reduces harmonic propagation, which means that it is less likely to interfere with other electronic devices in your area.

• Antenna propagation angle can reach 60 degrees

Our system has an antenna propagation angle of up to 60 degrees. This means that you can cover a wide area with a single system.

• Block narrowband telemetry and video signals

Our system can block narrowband telemetry and video signals. This means that you can prevent drones from transmitting or receiving data.

• Reduced size and weight

Our system is small and lightweight. This makes it easy to install and move around.

• Quick activation

Our system can produce and emit a mixing signal within 3 seconds after activation, giving you the peace of mind that your assets are protected quickly and efficiently.

• Frequency Segmentation

Our system can scan a wide range of frequencies at high speeds. This means that you can quickly identify and jam any drones that are operating in your area.

• Block all GNSS transmitters

Our system can block all GNSS transmitters, as well as jammer-protected receivers used in GNSS systems. This means that you can be confident that even the most sophisticated drones will be unable to operate in your area.

• Low energy consumption

Our system is supplied with AC 190-250 volts, and thanks to our high-gain semiconductors, energy consumption is less and efficiency is higher than old systems. This means that you can save money on your energy bills while still protecting your assets from drone attacks.

• Wide operating temperature range

The device can operate in the temperature range from -15 degrees to +65 degrees without the need for external cooling and heating systems. This means that you can use our system in a variety of environments, regardless of the weather conditions.

• Compact design

Unlike the existing devices on the market, our system is at the forefront with its compact structure. The height of the device, excluding antennas, is 70 cm, width, and length are 65 cm. This makes it easy to install and move around, and it also takes up less space.

• High-gain antennas

Our device is equipped with special production and high-gain (at least 4 dB) omnidirectional antennas and has the capacity to emit 360 degrees. This means that you can cover a wide area with a single system.

• Remote access control

Our device can be optionally offered with remote access control software and hardware for user control panels and multiple jammer device applications. This gives you the flexibility to control your system from anywhere, and it also makes it easy to manage multiple systems.

• Powerful signal and power systems

Unlike the existing devices on the market, our system is divided into separate signal and power systems for each band. This means that we can effectively block drones at all relevant frequencies, including 430 MHz(100W), 860 MHz(100W), 1.2 GHz(200W), 1.3 GHz(100W), 1.5 GHz(200W), 2.4 GHz(100W), and 5.8 GHz (50W) and a total of 850W of RF power.

• Reduced harmonic propagation

Our system has a filter system that prevents RF harmonic propagations that are not needed. This means that we can minimize harmonic propagations in frequency regions that do not need to be switched off. This reduces the risk of interference with other electronic devices.

Benefits of Using Our Drone-UAV Jammer Systems

There are many benefits to using our drone-UAV jammer systems, including:

• Increased security

Our systems can help to protect your organization from the threat of drone attacks.

• Peace of mind

Knowing that your organization is protected from drone attacks can give you peace of mind.

• Compliance

Our systems can help you to comply with government regulations regarding drone use.

Technical Details

System Power Supply
220v- AC - 50 hz

Power Consumption
⩽2 kW

Dimensions
W: 60 cm H: 60 cm D: 60 cm

Weight
⩽ 40 kg

Communication Interface
RJ-45 Ethernet 100 Mbps (optional)
RS-232/422 (optional)

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