CATALOGUE 2025

TSM
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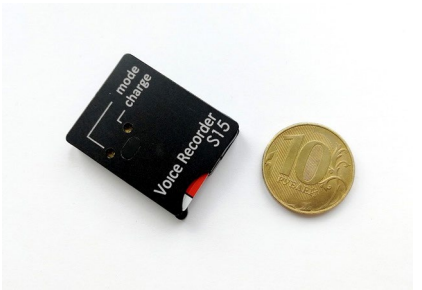
Miniature audio recorders, detectors & TSCM

DETECTORS

TSCM

RECORDERS



PORTABLE UAV DETECTOR «ALISSUM-8»

Purpose and advantages

- The Alissum-8 UAV detector designed to detect a digital or analog video broadcast radio signal from UAVs in the range 300-8000 MHz at a distance of minimum 1 km at sight.
- The detector classifies the detected signals - FPV, Digital, Wi-Fi, classification accuracy > 98%. Signal detection and classification are implemented using artificial intelligence technologies, which makes it possible to isolate signals of only the necessary types of UAVs, to work in the presence of Wi-Fi signals and signals from various communication systems
- The ability to work with an external mobile device Android OS, Aurora OS, Linux PC OS
- 3.5mm Audio Jack Analog Headphones (not included)
- USB Type-C Charger (not included).

Technical specifications

Dimensions ..... 135 x 70 x 25 mm
Weight ..... 250 g
Scan time for all frequency bands with signal classification ... 3–5 sec
Duration of radio environment records ..... 30 sec
Scan log ..... at least 5 hours
Scan history duration ..... > 40 h
Sensitivity adjustment ..... 3 levels
Power supply ..... built-in 3.7V 4000 mAh battery
Dust and moisture protection IP67
Battery life on a full charge:
- Continuous mode: over 12 hours,
- Economy mode: 20-40 hours;

Alarm and indication:
- color LED, color screen 128*160, sound on the built-in speaker, external headphones, vibration;
- three modes of frequency indication, spectrum, echo;
- audible alarm by types of UAVs: Wi-Fi, digital UAVs, FPV
- an app on a smartphone

High-quality drone signal selection based on neural network algorithms
Built-in antennas

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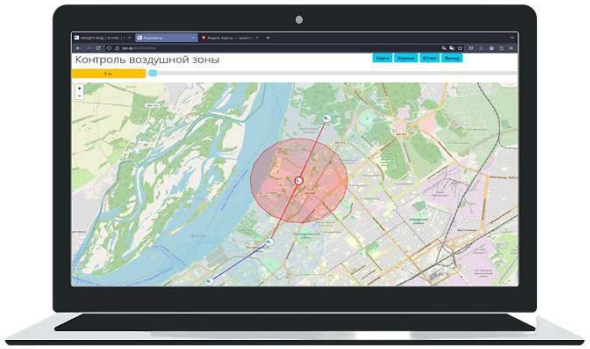
REMOTE UAV DETECTOR «ALISSUM-VN»

Purpose and advantages

- The «Alissum-VN» UAV detector is designed for remote installation with an Ethernet connection
- The «Alissum-VN» mobile UAV detector provides detection of UAV radio signals in the operating frequency range from 300 to 8000 MHz at a distance of at least 1000 m at sight and control over the activation of external electronic warfare devices
- The product implements procedures for detecting and classifying radio signals based on neural network algorithms, which ensures continuous expansion of the range of detection of new types of UAV radio signals during operation, flexible adaptation of the product to changing detection conditions and, in general, a significant increase in the efficiency of solving problems of detecting and classifying these radio signals
- Classification of detected signal types using of neural network algorithms (Wi-Fi, digital UAV, analog FPV) with ≥95% accuracy, and the option to disable Wi-Fi and digital UAV detection



Technical specifications

Dimensions ..... 170 x 120 x 55 mm
Weight ..... 700 g
Dust and moisture protection IP55
Connection interface ..... Ethernet
Power input ..... PoE Ethernet 48 V, 10 W
Filtering of impulse noise and narrowband signals
Log of detections, log of scans
Control and parameter configuration tools:
- remote access via web application, REST API

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MOBILE UAV DETECTOR «ALISSUM-MK»

Purpose and advantages

- The «Alissum-MK» mobile UAV detector is designed to be installed on vehicles in order to organize their protection, as well as objects in their controlled area from air attacks, including by controlling the activation of on-board electronic warfare systems
- The product provides detection of UAV radio signals in the operating frequency range from 300 to 8000 MHz at a distance of at least 1000 m at sight and control over the activation of external electronic warfare devices
- Classification of the type of detected signal based on neural network algorithms (Wi-Fi, digital UAV, analog FPV)
- Signal type detection accuracy (FPV, DJI, Autel, Wi-Fi, etc.) exceeds 95%
- Disabling Wi-Fi and digital UAV detection
- Filtering of impulse noise and narrowband signals
- Separate audio and visual alarm system on the control panel for three signal types: Wi-Fi, digital UAVs, FPV
- Management of external electronic warfare device activation, featuring two channels, a dry contact interface with galvanic decoupling (30 V, 2 A)
- Overload protection when operating in close proximity EW systems

Technical specifications

Dimensions:
Detection unit ..... 240 ×180 ×90 mm
Control panel ..... 90 ×60 ×20 mm
Switching unit ..... 145 ×65 ×40 mm
Magnetic mounting, dust and moisture protection ... IP67
Scan history duration..... > 40 h
Power ..... external source, voltage 18–36 V, 200mA
Means of control and parameter configuration:
- buttons and smartphone app
The built-in omnidirectional antennas
Settings storage in non-volatile memory
Interference masking