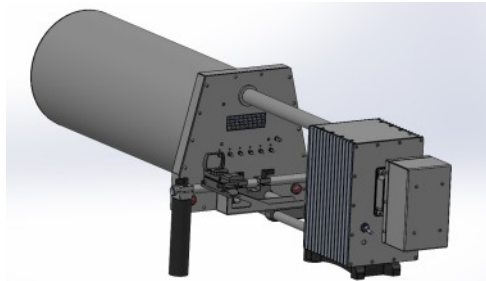


Portable Drone Jamming System

Silenta -6001



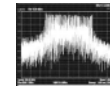
The Silenta 6001 UAS Counter-UAS System is a non-kinetic, portable, self-contained defensive equipment designed to neutralize unmanned aerial vehicles (UAVs) by disrupting the primary control and navigation signals used by commercial UAS and S-UAS systems.



Maximum detection distance:
8.000m



Weight:
8.1Kg



433MHz, 915MHz
2.4GHz, 5.8GHz



GPS,
GLONASS, Galileo

Main Features:

- Effective on unmanned aerial vehicles acting individually or in groups (swarm);
- Ensures the disruption of signals in multiple, independent and simultaneous frequency bands;
- Uses directional antennas with circular polarization and reduced side lobes;
- Eye-and-shoulder operation, does not require lengthy special training;
- Does not interfere with existing communication networks outside the operating ranges;
- Ergonomic design for comfortable operation;
- Modular and flexible architecture allowing reconfiguration of bands and operating powers;
- Maximum range up to 8,000 m;
- Easily replaceable rechargeable lithium batteries;
- Allows activation of each broadcast band by the operator;
- Robust construction, resistant to environmental factors, shock and vibration;
- Carrying strap and individual carry bag included;
- Allows installation on tripod or mast;
- The system allows the manufacturer to change/adjust frequency bands, modulation type and power level;
- Working principle: disruption of signals enabling operator control, automatic navigation based on GNSS signals and transmission of information;
- Optional filters can be used to ensure interoperability with other systems in the jamming bands.

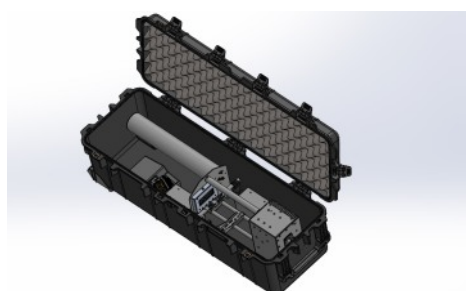
digitalwave

Product Name:

Silenta 6001

Technical Specifications:

Standard operating ranges:	433MHz; 915MHz, GNSS-L1, L2 ,L5; 2.4GHz; 5.8GHz
Standard frequency bands:	U1 band = 420 ÷ 460MHz G2 band = 902 ÷ 928 Mhz L5 band =1164 ÷1300 Mhz L1 band =1559 ÷ 1610MHz W band = 2400 ÷ 2483MHz V band = 5725 ÷ 5875MHz U2 band = 20 ÷ 520MHz U3 band = 500 ÷ 2700MHz L6 band = 1100 ÷ 1700 Mhz
Optional frequency bands:	G2 band = 902 ÷ 928 Mhz (2G,3G) D band = 1805 ÷ 1920Mhz (2G,4G) C band =2110 ÷ 2170MHz (3G) G1 band = 863 ÷ 870MHz(4G)
EIRP emission power:	<ul style="list-style-type: none">• 26W - U1, U2 bands• 51W - G2, U3, G1 bands• 56W - L5, L1, L6, D bands• 125W- W, C, L bands
Antenna type:	Circular polarization, RHCP and LHCP.
Main H/V lobe width:	max: +/°18 to min: +/-7,3
Side lobe level H/V at 88db:	-32dB
Maximum fighting distance:	Up to 8,000m (* with an effective positioning ratio - Rpe- less than or equal to 1 for main commercial UAS).
Cold start time:	2.5 sec.
Continuous operating time:	120 min in all standard frequency ranges with 2 batteries
Stand-by time (stand-by mode):	27 hours
Number of batteries:	2 x Li-Ion 28VDC /140W
Charger power:	230Vac/50HZ and 12Vdc (car cigarette lighter socket optional)
Display systems:	<ul style="list-style-type: none">• frequency band used• transition from the resting state to the transmitting state• power level adjustment for each band• battery capacity• self-diagnosis of BITE type faults
Sighting lens:	6X magnification factor (removable)
Dimensions (LxWxH):	1075x300x240 mm
Weight:	8.1Kg (in two-battery operating position)
Operating Temperature:	-15°C to +50°C,
Storage Temperature:	-25°C to +55°C, Peli case (optional)
Weatherproof:	IP 65
Equipment colour:	black, carrying bag with black strap
Transport Case:	Peli case (optional)
EMC Standards:	SR EN 55032:2015; SR EN 55035:2017;MIL-STD-461G:2015
NATO Standards:	compliant with interoperability standards SAPIENT and STANREC 4869



(*Note: The effectiveness of Wi-Fi signal jamming depends on the ratio of the distance between the combat system and the UAV-fighting distance-and the distance between the UAV and the UAS control station-operating distance of the UAV, referred to as the effective positioning ratio -Rpe. For the effective neutralisation of the UAV, the positioning of the combat system shall be aimed at ensuring the lowest effective positioning ratio.