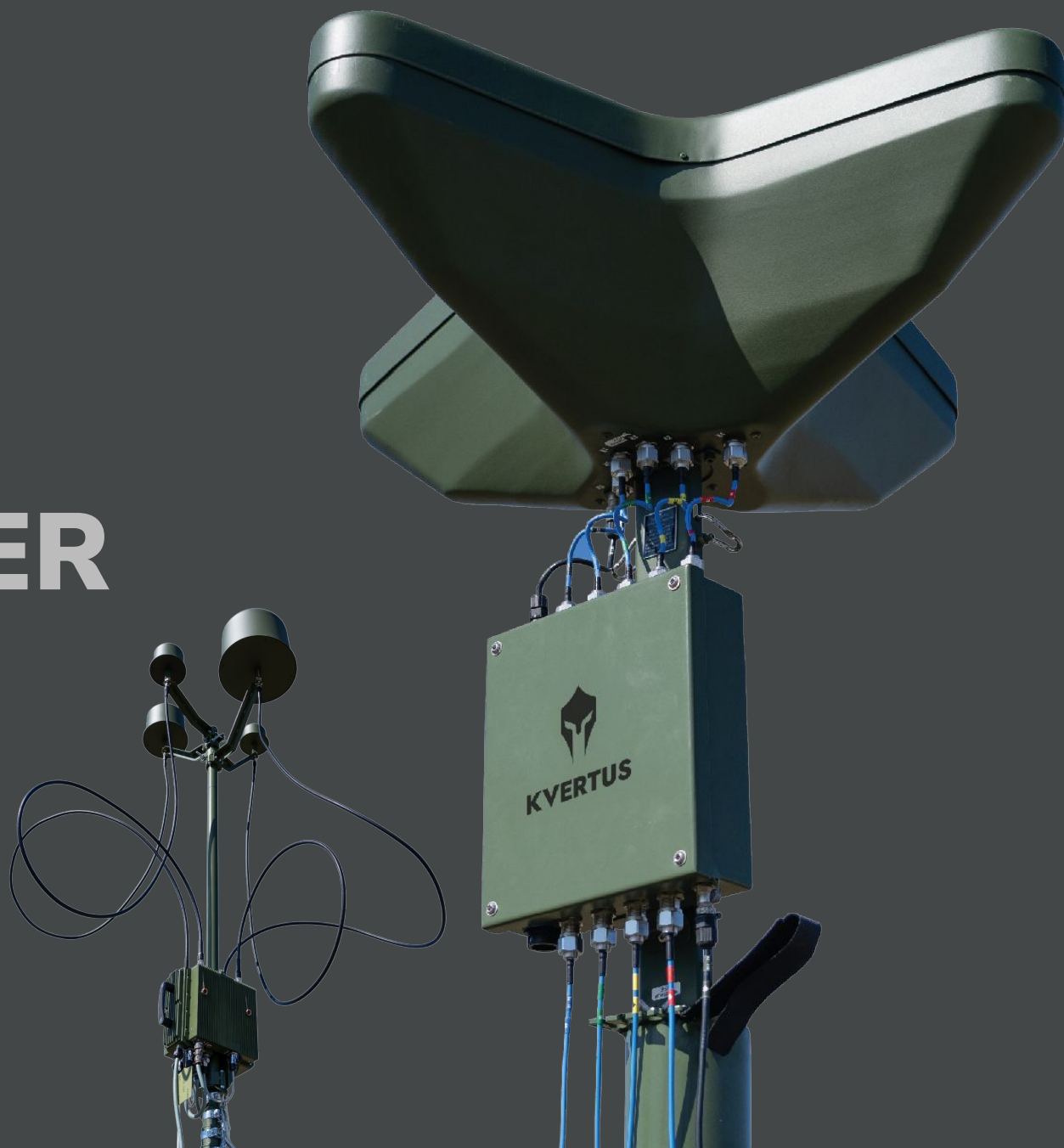




UKRAINIAN DEVELOPER & MANUFACTURER

Electronic Warfare (EW)
and Signals Intelligence (SIGINT) systems
for UAV detection and suppression



ABOUT KVERTUS

- **Kvertus** is a Ukrainian product company specializing in the development and manufacture of Signals Intelligence (SIGINT) and smart Electronic Warfare (EW) systems designed for UAV detection and suppression.
- **Kvertus' flagship solution is the Atlas complex**, integrating SIGINT and smart EW capabilities. It detects fixed-wing UAVs at ranges of up to 150 km and neutralizes UAVs at distances of up to 30 km.
- **Kvertus advantages**
 - Complimentary training.
 - Warranty and post-warranty service.

We maintain feedback loops with military personnel to constantly refine our technology based on combat experience.



KVERTUS MS HORIZON



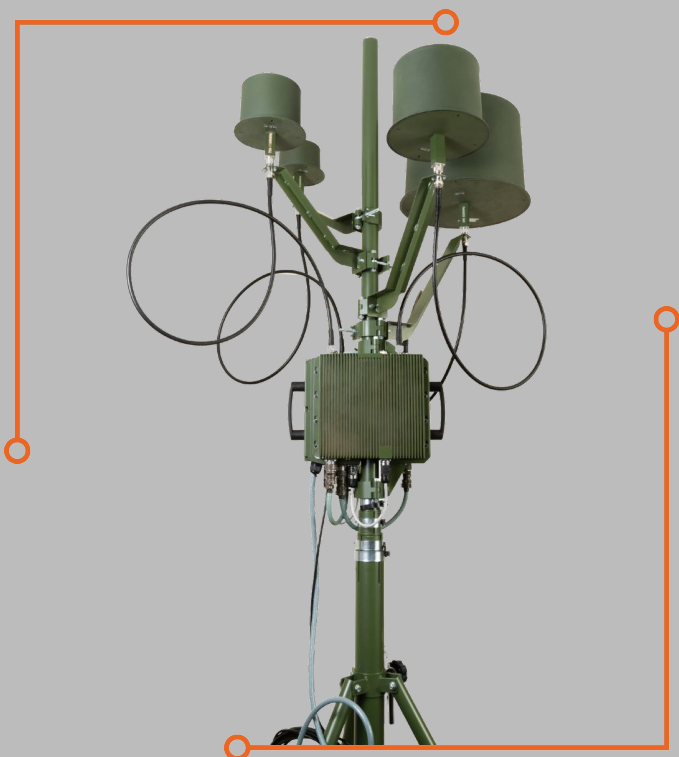
A signals intelligence (SIGINT) system designed to detect the full spectrum of radio emitters, including UAVs and their Ground Control Stations (GCS), repeaters, EW assets, radars, and telecommunication systems. Analyzes the signal, determines target bearing, and intercepts the video channel from the UAV. Invisible to enemy radio reconnaissance.

Unique to the Ukrainian market, this system rivals the functionality of solutions from global leaders such as Aaronia, TCI, and Rohde & Schwarz, while offering a significantly more competitive price point.

TECHNICAL SPECIFICATIONS

Operating frequency range	30–6000 MHz
Instantaneous bandwidth	200 MHz
Frequency scanning speed	540 GHz/s
Frequency resolution	30 kHz
Single–signal dynamic range	≥80 dB
Maximum detection range	up to 150 km
Minimum bearing time	0.04 ms
Bearing accuracy	≤5° (RMS)
Vertical coverage	60°
Horizontal coverage	360°
Polarization	vertical
Signal processing	digital
Simultaneously tracked targets	≤100
Target detection	automatic
Serviceability monitoring	automatic
Fault detection	semi-automatic, with accuracy down to a replacement module
Interface	Ethernet
Power consumption	100 W (220 V, 50 Hz)
Operating temperature	–20 °C to +40 °C
Weight (without the antenna feeder system)	up to 25 kg

KVERTUS LTEJ MIRAGE 1



An electronic warfare system representing the most effective class of Smart EW. It delivers a significantly superior UAV suppression range compared to systems generating interference via the "white noise" method.

Suppression range: omnidirectional ("dome") antennas—up to 10 km; directional antennas—up to 30 km.

Built on a modular principle: 14 options for combining jamming frequency bands are available.

ELECTROMAGNETIC INTERFERENCE BANDS

300–500 MHz (automatic changeover)	≥15 W	700–1000 MHz (automatic changeover)	≥15 W	1500–3500 MHz (automatic changeover)	≥60 W
500–700 MHz (automatic changeover)	≥15 W	1000–1500 MHz (automatic changeover)	≥15 W	3500–6000 MHz (automatic changeover)	≥60 W

KVERTUS LTEJ MIRAGE 1 ADVANTAGES

- Effective against all radio communication protocols.
- Generates any type of smart interference: against FPV drones, fixed-wing UAVs, DJI Mavic drones, etc.
- Interference bandwidth: up to 80 MHz.
- Interference is programmed via the Azimuth system interface or using a tablet, computer, or phone.
- A single operator can remotely control a large number of assets.
- Server-side operational logging enables command to conduct a detailed analysis of all tactical situations.
- Low power consumption: up to 200 W, depending on the selected frequency band combination.

FREQUENCY BAND CONFIGURATION PRINCIPLES

Frequency bands can be repeated. If bands up to 1500 MHz are selected, the device can accommodate up to 4 bands; if one of the selected bands is 1500–3500 MHz or 3500–6000 MHz, the device can accommodate up to 3 bands; if 2 bands of 1500–3500 MHz or 3500–6000 MHz are selected, the device is limited to these specific bands.

KVERTUS AD HUNTER



KVERTUS AD HUNTER is a portable EW device designed to counter Mavic, Autel, and similar drones utilizing 2.4 and 5.8 GHz control frequencies. The device generates directional emission and features a built-in battery.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

VERSION 1		
GPS navigation L1	1570–1630 MHz	20 W
Remote radio control, video data transmission	2400–2500 MHz	20 W
Remote radio control, video data transmission	2400–2500 MHz	20 W
Video data transmission	5700–5900 MHz	20 W
VERSION 2		
Remote radio control, video data transmission	2380–2500 MHz	20 W
Remote radio control, video data transmission	2380–2500 MHz	20 W
Remote radio control, video data transmission	5100–5250 MHz	20 W
Remote radio control, video data transmission	5710–5980 MHz	20 W

TECHNICAL SPECIFICATIONS

- Effective distance: up to 2000 m (depending on operating conditions).
- Power supply: 24 V, 10 Ah built-in rechargeable battery or external rechargeable battery (input via XT90/XT60 connector).
- Weight: 7 kg.
- Antennas: directional, antenna beam angle: 60°.
- Continuous operating time: from the built-in rechargeable battery — up to 60 min; from an external rechargeable battery — depends on the battery's capacity, but not more than 60 min, followed by a 15-minute break.
- Cooling: active.

KVERTUS AD CERBERUS



KVERTUS AD CERBERUS is a modular EW system for vehicles and light armored vehicles. Featuring external antennas, the system enables users to configure EW solutions with a tailored set of 1 to 12 frequency bands.

For stationary deployment, the kit includes legs for the main unit and a tripod for remote antennas.

ELECTROMAGNETIC INTERFERENCE SPECTRUM

130–6000 MHz	30, 40 адо 50 W (depending on the selected range)
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One generator block can be fitted with one to four jamming generators, each operating in a separate, fixed band within the 130–6000 MHz range. The bandwidth of each channel is 50, 80, 100, or 200 MHz, depending on the selected band. In total, up to three generator blocks can be combined in the system.

TECHNICAL SPECIFICATIONS

- Effective operational range: up to 300 m (depending on operational conditions and antenna type).
- Protection rating: IP65.
- Antennas (for any frequency band):
 - remote quadrifilar with a 360-degree radiation pattern;
 - remote directional with elevation angle locking;
 - remote collinear with a spring base. Can be equipped with a 1.5 or 3 m cable.
- Remote control: wired remote control unit. Enables independent activation of each channel; includes a general system activation button.
- Remote antenna mounting method: magnetic base.
- Power supply:
 - 220 V, 50 Hz AC mains;
 - 12 V or 24 V on-board vehicle network via voltage converter;
 - battery or generator.
- Cooling: active.

KVERTUS AD MW



KVERTUS AD MW is an anti-drone gun designed to counter FPV drones. It features an ergonomic design and a rugged housing.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTOMAGNETIC INTERFERENCE BANDS

Remote radio control			
300–400 MHz	50 W	850–940 MHz	50 W
400–500 MHz	50 W	940–1050 MHz	50 W
500–600 MHz	50 W	1050–1150 MHz	50 W
600–700 MHz	50 W	1150–1250 MHz	50 W
700–850 MHz	50 W	1250–1350 MHz	50 W

Any two of the listed bands can be selected. Frequency bands not specified in this list can also be installed.

TECHNICAL SPECIFICATIONS

- Effective range: up to 1500 m and more (depending on operating conditions).
- Output power: 100 W.
- Antenna beamwidth: up to 80° (horizontal), up to 60° (elevation).
- Antenna polarization: linear vertical.
- VSWR: up to 2.
- Power supply: 24 V, 15 Ah rechargeable battery.
- Battery operation time: 80 min (5 min break after every 20 min).
- The package includes two rechargeable batteries (24 V, 15 Ah).
- Cooling: active.
- Protection level: IP65.
- Weight: 8 kg.

KVERTUS AD MW ANTI-UAV DROPS



KVERTUS AD MW ANTI-DROP is an anti-drone gun designed to neutralize payload-dropping drones. It counters UAVs by generating radio interference within their control and video transmission bands. Features an ergonomic design and a rugged housing.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTOMAGNETIC INTERFERENCE BANDS

Remote radio control, video data transmission	2400–2500 MHz	30 W
Video data transmission	5150–5350 MHz	30 W
Video data transmission	5700–5900 MHz	30 W

Upon agreement, custom frequency ranges not included in this list can also be installed.

TECHNICAL SPECIFICATIONS

- Effective range: up to 1500 m and more (depending on operating conditions).
- Output power: 90 W.
- Antenna beamwidth: up to 80° (horizontal), up to 60° (elevation).
- Antenna polarization: linear vertical.
- VSWR: up to 2.
- Power supply: 24 V, 15 Ah rechargeable battery.
- Battery operation time: 80 min (5 min break after every 20 min).
- Cooling: active.
- Protection level: IP65.
- The package includes two rechargeable batteries (24 V, 15 Ah).
- Weight: 8 kg.

KVERTUS AD G-6+



KVERTUS AD G-6+ is an anti-drone gun effective against payload-dropping drones (Mavic, Autel), as well as FPV drones operating on standard control frequencies.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTOMAGNETIC INTERFERENCE BANDS

Remote radio control	433–434 MHz	10 W
Remote radio control	850–940 MHz	20 W
GPS navigation L2, L5	1150–1250 MHz	20 W
GPS navigation L1 + GLONASS	1570–1630 MHz	20 W
Remote radio control, video data transmission	2400–2500 MHz	20 W
Video data transmission	5700–5900 MHz	20 W

TECHNICAL SPECIFICATIONS

- Effective distance: up to 1500 m (depending on operating conditions).
- Power supply: 24 V, 15 Ah rechargeable battery.
- Weight: up to 6.5 kg.
- Directional antenna beam angle: 30°.
- Cooling: active.

KVERTUS AD KRAKEN-U



KVERTUS AD KRAKEN-U is a high-power multi-band EW system. It is effective against FPV drones within the extended 700–1050 MHz frequency range, as well as against payload-dropping drones (Mavic, Autel). It features a directional antenna unit together with a remote control and a 20-meter cable.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
700–850 MHz	50 W	850–940 MHz	50 W
700–850 MHz	50 W	940–1050 MHz	50 W
850–940 MHz	50 W	940–1050 MHz	50 W
Remote radio control, video data transmission			
2400–2500 MHz	50 W	2400–2500 MHz	50 W
Video data transmission			
5700–5900 MHz	30 W		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 2000 m (directional antennas), up to 800 m (omnidirectional antennas), depending on operating conditions.
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 3000 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN-U+



KVERTUS AD KRAKEN-U+ is a high-power multiband EW system designed to counter FPV drones and explosive-laden UAVs (e.g., Mavic and entry-level Autel models). It operates within the 420–460 MHz and 700–1050 MHz frequency ranges and features a directional antenna unit together with a remote control and a 20-meter cable.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–460 MHz	50 W	850–940 MHz	50 W
420–460 MHz	50 W	850–940 MHz	50 W
700–850 MHz	50 W	940–1050 MHz	50 W
700–850 MHz	50 W	940–1050 MHz	50 W
Remote radio control, video data transmission			
2400–2500 MHz	50 W	2400–2500 MHz	50 W
Video data transmission			
5700–5900 MHz	30 W		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 2000 m (directional antennas), up to 800 m (omnidirectional antennas), depending on operating conditions.
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 3000 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN-M



KVERTUS AD KRAKEN-M is a multi-band EW system designed to counter explosive-laden UAVs (e.g., DJI Mavic and entry-level Autel models) and FPV drones operating on standard control frequencies. It features a directional antenna unit and a remote control with a 20 m control cable.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–440	25	850–940	30
850–940	30		
GPS-navigation L2, L5			
1150–1250	25		
GPS-navigation L1 + GLONASS			
1570–1620	25		
Remote radio control, video data transmission			
2400–2500	25	2400–2500	25
Video data transmission			
5150–5350	30		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 1500 m (directional antennas), up to 500 m (omnidirectional antennas), depending on operating conditions.
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 1200 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN COUNTER FPV F3 M30



KVERTUS AD KRAKEN COUNTER FPV F3 M30 counteracts FPV drones across three frequency bands. Its omnidirectional antennas create a protective dome-shaped radio-interference field, while the directional antenna unit generates directional radio interference.

The device features a remote control.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
700–850 MHz	30 W	850–940 MHz	30 W
700–850 MHz	30 W	940–1050 MHz	30 W
850–940 MHz	30 W	940–1050 MHz	30 W

Upon agreement, custom frequency ranges not included in this list may also be installed.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 150 m (depending on operating conditions).
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 1500 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN COUNTER FPV F4 M30



KVERTUS AD KRAKEN COUNTER FPV F4 M30 counteracts FPV drones across four frequency bands. Its omnidirectional antennas create a protective dome-shaped radio-interference field, while the directional antenna unit generates directional radio interference.

The device features a remote control.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–460 MHz	30 W	850–940 MHz	30 W
420–460 MHz	30 W	850–940 MHz	30 W
700–850 MHz	30 W	940–1050 MHz	30 W
700–850 MHz	30 W	940–1050 MHz	30 W

Upon agreement, custom frequency ranges not included in this list may also be installed.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 150 m (depending on operating conditions).
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 1500 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN COUNTER FPV F3 M50



KVERTUS AD KRAKEN COUNTER FPV F3 M50 is a high-power EW system that counteracts FPV drones across three frequency bands. Its omnidirectional antennas create a protective dome-shaped radio-interference field, while the directional antenna unit generates directional radio interference.

The device features a remote control.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
700–850 MHz	50 W	850–940 MHz	50 W
700–850 MHz	50 W	940–1050 MHz	50 W
850–940 MHz	50 W	940–1050 MHz	50 W

Upon agreement, custom frequency ranges not included in this list may also be installed.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 200 m (depending on operating conditions).
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 1800 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN COUNTER FPV F4 M50



KVERTUS AD KRAKEN COUNTER FPV F4 M50 is a high-power EW system that counteracts FPV drones across four frequency bands. Its omnidirectional antennas create a protective dome-shaped radio-interference field, while the directional antenna unit generates directional radio interference.

The device features a remote control.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–460 MHz	50 W	850–940 MHz	50W
420–460 MHz	50 W	850–940 MHz	50 W
700–850 MHz	50 W	940–1050 MHz	50 W
700–850 MHz	50 W	940–1050 MHz	50 W

Upon agreement, custom frequency ranges not included in this list may also be installed.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 200 m (depending on operating conditions).
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 1800 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN COUNTER FPV F4 M50 (300–700)



KVERTUS AD KRAKEN COUNTER FPV F4 M50 (300–700) counteracts FPV drones operating in the lower portion of the control frequency range, namely 300–700 MHz. The device's jamming coverage comprises four frequency bands. Radio interference in each band is generated by two 50 W modules, ensuring high effectiveness.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
300–400 MHz	40 W	500–600 MHz	50 W
400–500 MHz	50 W	600–700 MHz	50 W

Upon agreement, custom frequency ranges not included in this list may also be installed.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 200 m (depending on operating conditions).
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 2000 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN-E



KVERTUS AD KRAKEN-E is a high-power, multi-band EW system designed to counter explosive-laden UAVs (e.g., DJI Mavic and entry-level Autel models) and FPV drones operating on standard control frequencies. It features a directional antenna unit and a remote control with a 20 m control cable.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
850–940 MHz	50 W	850–940 MHz	50 W
GPS-navigation L1 + GLONASS			
1570–1630 MHz	50 W		
Remote radio control, video data transmission			
2400–2500 MHz	50 W	2400–2500 MHz	50 W
Video data transmission			
5700–5900 MHz	30 W		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 2000 m (directional antennas), up to 800 m (omnidirectional antennas), depending on operating conditions.
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 1200 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN-A



KVERTUS AD KRAKEN-A is a high-power multiband EW system designed to counter FPV drones operating in the 700–1050 MHz, 1.4 GHz and 2.4 GHz control frequency ranges. It can also jam explosive-laden UAVs that use 2.4 GHz and 5.8 GHz control frequencies. Coverage of the 5.2 GHz range increases effectiveness against UAVs that use this band for video transmission.

The device features a directional antenna unit together with a remote control and a 20-meter cable.

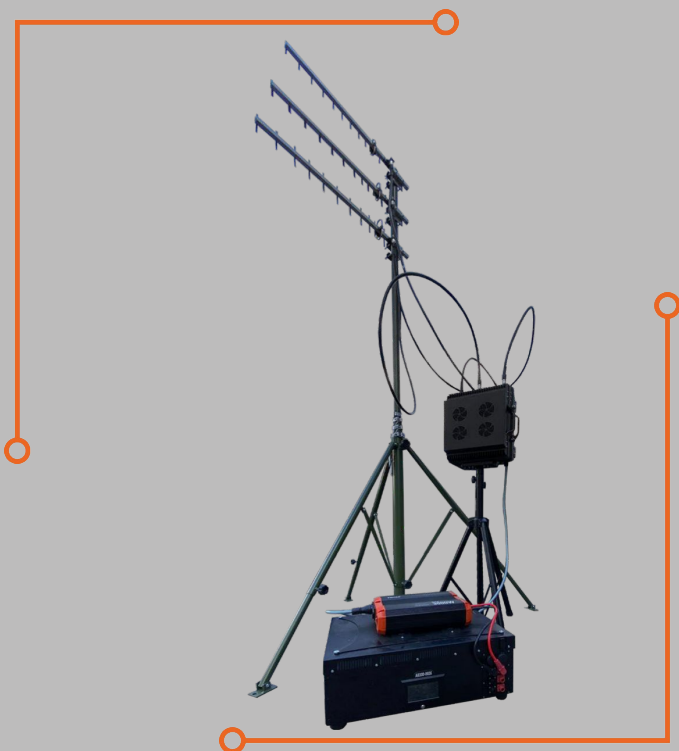
ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
700–850 MHz	50 W	940–1050 MHz	50 W
700–850 MHz	50 W	940–1050 MHz	50 W
850–940 MHz	50 W	1420–1460 MHz	50 W
850–940 MHz	50 W		
Remote radio control, video data transmission			
2390–2500 MHz	50 W	2390–2500 MHz	50 W
Video data transmission			
5150–5250 MHz	50 W	5700–5900 MHz	50 W

TECHNICAL SPECIFICATIONS

- Effective distance: up to 2000 m (directional antennas), up to 800 m (omnidirectional antennas), depending on operating conditions.
- Power supply: AC mains power or petrol/diesel power generator (220 V, 50 Hz).
- Deployed weight: up to 40 kg.
- Antennas: directional, collinear or quadrifilar omnidirectional.
- Additionally or alternatively, it can be equipped with quadrifilar antennas and an antenna extension cable.
- Power consumption: up to 3000 W.
- Continuous operating time: 12-hour periods with 1-hour breaks in between.
- Cooling: active.

KVERTUS AD KRAKEN COUNTER GPS



KVERTUS AD KRAKEN COUNTER GPS is designed to suppress satellite navigation channels, including GPS, GLONASS, Galileo and BeiDou. By generating interference within the drone flight zone, the device disrupts positioning and prevents both autonomous and controlled targeting. We recommend deploying multiple networked units.

ELECTROMAGNETIC INTERFERENCE BANDS

1160–1280 MHz	Channel 1	150 W
1375–1390 MHz	Channel 1	150 W
1563–1620 MHz	Channel 1	150 W

TECHNICAL SPECIFICATIONS

- Effective range: up to 12 km.
- Antennas: directional YAGI antennas, with a spatial angle of 30–40°.
- Power:
 - from stationary sources: 220 V, 50 Hz;
 - from an external rechargeable battery: 24 V (via an inverter);
 - from an inverter generator with a capacity of at least 2500 W.
- Power consumption: up to 2000 W.
- Continuous operating time: from a 220 V, 50 Hz power source — up to 12 hours, followed by a 1-hour break; from an external 24 V rechargeable battery — depends on the battery capacity, but not more than 12 hours, followed by a 1-hour break; from a gasoline inverter generator with a capacity of at least 2500 W — up to 3 hours, followed by a 1-hour break.
- Cooling: active.

The following components can be supplied upon additional agreement with the manufacturer:

- antennas: omnidirectional — quadrifilar, collinear; a directional antenna unit;
- 24 V, 300 Ah rechargeable battery;
- inverter;
- portable frequency analyzer.

KVERTUS AD COUNTER FPV BACKPACK F3 U

(counter FPV drones)



with 24 V, 60 Ah
rechargeable battery

KVERTUS AD COUNTER FPV BACKPACK F3 U is a portable, triple-band FPV drone jamming system.

It is intended for use by small tactical units during reconnaissance, assault, defense, and evacuation missions. Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

130–180 MHz	30 W
220–300 MHz	30 W
300–400 MHz	30 W
400–500 MHz	30 W
500–600 MHz	30 W
600–700 MHz	30 W
700–850 MHz	30 W
850–940 MHz	30 W
940–1050 MHz	30 W
1050–1150 MHz	30 W
1150–1250 MHz	30 W

You can select any three of the listed ranges.
Six modules are installed in the backpack: two modules per band.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 250 m (depending on operating conditions).
- Power supply: 24 V, 60 Ah replaceable rechargeable battery.
- Weight: up to 15 kg.
- Antennas: collinear omnidirectional.
- Battery life: up to 120 min.
- Cooling: active.

KVERTUS AD COUNTER FPV BACKPACK F3 U

(counter FPV and fire-dropping drones)



KVERTUS AD COUNTER FPV BACKPACK F3 U is a backpack designed to counter payload-dropping drones (Mavic, Autel), as well as FPV drones.

It is designed for use by small tactical units during reconnaissance, assault, defense, and evacuation missions.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

1	130–180 MHz	30 W
2	220–300 MHz	30 W
3	300–400 MHz	30 W
4	400–500 MHz	30 W
5	500–600 MHz	30 W
6	600–700 MHz	30 W
7	700–850 MHz	30 W
8	850–940 MHz	30 W
9	940–1050 MHz	30 W
10	1050–1150 MHz	30 W
11	1150–1250 MHz	30 W
12	1420–1460 MHz	30 W
13	1570–1630 MHz	30 W
14	2000–2200 MHz	30 W
15	2400–2500 MHz	30 W
16	3300–3500 MHz	30 W
17	5150–5250 MHz	30 W
18	5250–5350 MHz	30 W
19	5700–5900 MHz	30 W

You can select one range from items 1–12 and two ranges from items 13–19. Six modules are installed in the backpack: two modules per band.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 250 m (depending on operating conditions).
- Power supply: 24 V, 60 Ah replaceable rechargeable battery.
- Weight: up to 15 kg.
- Antennas: collinear omnidirectional.
- Battery life: up to 120 min.
- Cooling: active.

KVERTUS AD COUNTER FPV BACKPACK F2 M50



with 24 V, 60 Ah
rechargeable battery

KVERTUS AD COUNTER FPV BACKPACK F2 M50 is a high-power backpack designed to counter FPV drones in two radio frequency bands.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

1	130–180 MHz	40 W
2	220–300 MHz	40 W
3	300–400 MHz	40 W
4	400–500 MHz	50 W
5	500–600 MHz	50 W
6	600–700 MHz	50 W
7	700–900 MHz	50 W
8	900–1050 MHz	50 W
9	1050–1150 MHz	50 W
10	1150–1250 MHz	50 W
11	1420–1460 MHz	50 W
12	1570–1630 MHz	50 W
13	2000–2200 MHz	50 W
14	2400–2500 MHz	50 W
15	3300–3500 MHz	50 W
16	5150–5350 MHz	50 W
17	5700–5900 MHz	50 W

You can select any two of the listed ranges.
Two modules for each selected band are installed in the backpack (a total of four modules).

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 150 m (depending on operating conditions).
- Power supply: 24 V, 60 Ah replaceable rechargeable battery.
- An additional rechargeable battery can be purchased.
- Weight: up to 15 kg.
- Antennas: collinear omnidirectional.
- Battery life: up to 180 min.
- Cooling: active.

KVERTUS AD COUNTER FPV BACKPACK



KVERTUS AD COUNTER FPV BACKPACK is a backpack designed to counter FPV drones in a single radio frequency band.

It is intended for use by small tactical units during reconnaissance, assault, defense, and evacuation missions. Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

1	130–180 MHz	2 modules, 30 W each
2	220–300 MHz	2 modules, 30 W each
3	300–400 MHz	2 modules, 30 W each
4	400–500 MHz	2 modules, 30 W each
5	500–600 MHz	2 modules, 30 W each
6	600–700 MHz	2 modules, 30 W each
7	700–850 MHz	2 modules, 30 W each
8	850–940 MHz	2 modules, 30 W each
9	940–1050 MHz	2 modules, 30 W each
10	1050–1150 MHz	2 modules, 30 W each
11	1150–1250 MHz	2 modules, 30 W each
12	1250–1350 MHz	2 modules, 30 W each

You can select any one of the listed ranges.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 150 m (depending on operating conditions).
- Power supply: 24 V, 15 Ah rechargeable battery.
- Weight: up to 9 kg.
- Antennas: collinear omnidirectional.
- Battery life: up to 120 min.
- An additional rechargeable battery can be purchased.

KVERTUS AD CHAOS



KVERTUS AD CHAOS is a briefcase-carried EW system. Easily deployed in any operational environment, it enables anti-drone protection while the operator stays sheltered from enemy fire.

The device is used to jam FPV and explosive-laden drones. It provides directional protection and creates a protective dome-shaped radio-interference field.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
1	130–180 MHz	2 modules, 30 W each	Antennas omnidirectional
2	220–300 MHz	2 modules, 30 W each	Antennas omnidirectional
3	300–400 MHz	2 modules, 30 W each	Antennas omnidirectional
4	400–500 MHz	2 modules, 30 W each	Antennas omnidirectional
5	500–600 MHz	2 modules, 30 W each	Antennas omnidirectional
6	600–700 MHz	2 modules, 30 W each	Antennas omnidirectional
7	700–850 MHz	2 modules, 30 W each	Antennas omnidirectional
8	850–940 MHz	2 modules, 30 W each	Antennas omnidirectional
9	940–1050 MHz	2 modules, 30 W each	Antennas omnidirectional
10	1050–1150 MHz	2 modules, 30 W each	Antennas omnidirectional
11	1150–1250 MHz	2 modules, 30 W each	Antennas omnidirectional
12	1250–1350 MHz	2 modules, 30 W each	Antennas omnidirectional
Remote radio control, video data transmission			
13	2400–2500 MHz	2 modules, 30 W each	Antennas omnidirectional
Video data transmission			
14	5700–5900 MHz	1 module, 20 W	Antennas omnidirectional

You can choose only one from frequency ranges No. 1–12.

Frequency generators for bands 13 and 14 are installed by default.

TECHNICAL SPECIFICATIONS

- Effective distance: up to 1000 m (directional antennas), up to 300 m (omnidirectional antennas), depending on operating conditions.
- Power supply: AC mains power (220 V, 50 Hz), built-in rechargeable battery (the device is supplied complete with three batteries), or vehicle power system.
- Weight: up to 20 kg.
- Antennas: directional, antenna beam angle: 60°; collinear omnidirectional.
- Battery life: 3 h or more.
- Cooling: active.

KVERTUS AD COUNTER FPV F2 M30



with 24 V, 60 Ah
rechargeable battery

KVERTUS AD COUNTER FPV F2 M30 is a line of double-band FPV drone jammers. The frequency bands covered are listed in the Electromagnetic Interference Bands table.

Mountable on vehicles.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

130–180 MHz	2 modules, 30 W each
220–300 MHz	2 modules, 30 W each
300–400 MHz	2 modules, 30 W each
400–500 MHz	2 modules, 30 W each
500–600 MHz	2 modules, 30 W each
600–700 MHz	2 modules, 30 W each
700–850 MHz	2 modules, 30 W each
850–940 MHz	2 modules, 30 W each
940–1050 MHz	2 modules, 30 W each
1050–1150 MHz	2 modules, 30 W each
1150–1250 MHz	2 modules, 30 W each
1250–1350 MHz	2 modules, 30 W each

Of the above interference bands, only two are covered by a given device.
The device uses two sets of modules, each covering one band (a total of four modules).

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 150 m (depending on operating conditions).
- Power (non-battery version): 220 V AC, 50 Hz power source; vehicle's onboard power network.
- Power (battery version): 220 V AC, 50 Hz power source; 24 V, 15 Ah rechargeable battery; vehicle's onboard power network.
- Power consumption: up to 500 W.
- Weight (including transportation case): 15 kg, deployed weight: 12 kg.
- Antennas: collinear omnidirectional.
- Continuous operating time from the AC mains — 24 hours, followed by a 1-hour break; from the onboard network — depends on the operating time of the onboard network, but not more than 24 hours, followed by a 1-hour break.
- Battery life: up to 60 min.
- Cooling: active.

KVERTUS AD COUNTER FPV M50



with 24 V, 60 Ah
rechargeable battery

KVERTUS AD COUNTER FPV is an EW system designed to counter FPV drones in a single radio frequency band.

Mountable on vehicles.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

130–180 MHz	2 modules, 40 W each
220–300 MHz	2 modules, 40 W each
300–400 MHz	2 modules, 40 W each
400–500 MHz	2 modules, 40 W each
500–600 MHz	2 modules, 40 W each
600–700 MHz	2 modules, 40 W each
700–900 MHz	2 modules, 40 W each
900–1050 MHz	2 modules, 40 W each
1050–1150 MHz	2 modules, 40 W each
1150–1250 MHz	2 modules, 40 W each
1250–1350 MHz	2 modules, 40 W each

You can select any one of the listed ranges.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 200 m (depending on operating conditions).
- Power (non-battery version): 220 V AC, 50 Hz power source; vehicle's onboard power network.
- Power (battery version): 220 V AC, 50 Hz power source; 24 V, 15 Ah rechargeable battery; vehicle's onboard power network.
- Power consumption: up to 400 W.
- Deployed weight: up to 7 kg (up to 9 kg with the rechargeable battery).
- Antennas: collinear omnidirectional.
- Continuous operating time from the AC mains — 24 hours, followed by a 1-hour break; from the onboard network — depends on the operating time of the onboard network, but not more than 24 hours, followed by a 1-hour break.
- Battery life: up to 60 min.
- Cooling: active.

KVERTUS AD COUNTER FPV



with 24 V, 60 Ah
rechargeable battery

KVERTUS AD COUNTER FPV is an EW system designed to counter FPV drones in a single radio frequency band.

Mountable on vehicles.

Supplied with a field indicator to quickly verify that the device is emitting interference.

ELECTROMAGNETIC INTERFERENCE BANDS

130–180 MHz	2 modules, 30 W each
220–300 MHz	2 modules, 30 W each
300–400 MHz	2 modules, 30 W each
400–500 MHz	2 modules, 30 W each
500–600 MHz	2 modules, 30 W each
600–700 MHz	2 modules, 30 W each
700–850 MHz	2 modules, 30 W each
850–940 MHz	2 modules, 30 W each
940–1050 MHz	2 modules, 30 W each
1050–1150 MHz	2 modules, 30 W each
1150–1250 MHz	2 modules, 30 W each
1250–1350 MHz	2 modules, 30 W each

You can select any one of the listed ranges.

TECHNICAL SPECIFICATIONS

- Shortest effective distance: 150 m (depending on operating conditions).
- Power (non-battery version): 220 V AC, 50 Hz power source; vehicle's onboard power network.
- Power (battery version): 220 V AC, 50 Hz power source; 24 V, 15 Ah rechargeable battery; vehicle's onboard power network.
- Power consumption: up to 220 W.
- Deployed weight: up to 7 kg (up to 9 kg with the rechargeable battery).
- Antennas: collinear omnidirectional.
- Continuous operating time from the AC mains — 24 hours, followed by a 1-hour break; from the onboard network — depends on the operating time of the onboard network, but not more than 24 hours, followed by a 1-hour break.
- Battery life: at least 120 min.
- Cooling: active.

KVERTUS AD VEPR M



KVERTUS AD VEPR M is a stationary EW system designed to protect infrastructure facilities. Generates dome-shaped protection. Neutralizes FPV drones operating on standard control frequencies, as well as DJI and Autel drones.

Remote control implemented via Ethernet connection.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–440 MHz	2 modules, 20 W each	850–940 MHz	4 modules, 20 W each
GPS-navigation L2, L5			
1150–1250 MHz	4 modules, 20 W each		
GPS-navigation L1 + GLONASS			
1570–1620 MHz	4 modules, 20 W each		
Remote radio control, video data transmission			
2400–2500 MHz	4 modules, 20 W each		
Video data transmission			
5700–5900 MHz	4 modules, 20 W each		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 7 km (depending on operating conditions).
- Power consumption: up to 2500 W.
- Stationary power supply: 220 V, 50 Hz.
- Weight: up to 95 kg.
- Antennas: directional patch antennas — 90° beamwidth (8 units, 4 radiation zones for 360°); omnidirectional collinear — 360° hemisphere.
- Continuous operating time: 24 h.
- Cooling: active.

KVERTUS AD VEPR M50



KVERTUS AD VEPR M50 — a stationary EW system consisting of a separate generator unit connected to antennas mounted on a mast. The system is designed to provide dome protection for military and civilian facilities. Countered drones: FPV drones operating on standard control frequencies, DJI, and Autel.

Remote control implemented via Ethernet connection.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–440 MHz	2 modules, 50 W each	850–940 MHz	4 modules, 50 W each
GPS-navigation L2, L5			
1150–1250 MHz	4 modules, 50 W each		
GPS-navigation L1 + GLONASS			
1570–1620 MHz	4 modules, 50 W each		
Remote radio control, video data transmission			
2400–2500 MHz	4 modules, 50 W each		
Video data transmission			
5700–5900 MHz	4 modules, 50 W each		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 7 km (depending on operating conditions).
- Power consumption: up to 3500 W.
- Stationary power supply: 220 V, 50 Hz.
- Weight: up to 125 kg.
- Antennas: directional patch antennas — 90° beamwidth (8 units, 4 radiation zones for 360°); omnidirectional collinear — 360° hemisphere.
- Continuous operating time: 24 h.
- Cooling: active.

KVERTUS AD VEPR M100



KVERTUS AD VEPR M100 is an improved version of KVERTUS AD VEPR M50 system. The M100 configuration can be used either as a stationary device with mast-mounted antennas or as a portable system installed on a pickup truck. The vehicle-mounted configuration is intended for operational tasks that require a high tempo of action.

Remote control implemented via Ethernet connection.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–440 MHz	2 modules, 100 W each	850–940 MHz	4 modules, 100 W each
GPS-navigation L2, L5			
1150–1250 MHz	4 modules, 100 W each		
GPS-navigation L1 + GLONASS			
1570–1620 MHz	4 modules, 100 W each		
Remote radio control, video data transmission			
2400–2500 MHz	4 modules, 100 W each		
Video data transmission			
5700–5900 MHz	4 modules, 100 W each		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 7 km (depending on operating conditions).
- Power consumption: up to 6000 W.
- Stationary power supply: 220 V, 50 Hz.
- Weight: up to 160 kg.
- Antennas: directional patch antennas — 90° beamwidth (8 units, 4 radiation zones for 360°); omnidirectional collinear — 360° hemisphere.
- Continuous operating time: 24 h.
- Cooling: active.

KVERTUS AD VEPR M100 GPS



KVERTUS AD VEPR M100 GPS is a stationary EW system designed specifically to jam drone navigation channels, to prevent precision strikes against infrastructure facilities.

Remote control implemented via Ethernet connection.

ELECTROMAGNETIC INTERFERENCE BANDS

GPS-navigation L2, L5	1150–1250 MHz	4 modules, 100 W each
GPS-navigation L3	1375–1390 MHz	4 modules, 100 W each
GPS-navigation L1 + GLONASS	1570–1620 MHz	4 modules, 100 W each

TECHNICAL SPECIFICATIONS

- Effective distance: up to 7 km (depending on operating conditions).
- Power consumption: up to 4000 W.
- Power supply: 220 V, 50 Hz AC power source (minimum current 16 A).
- Weight: up to 123 kg.
- Antennas: directional patch antennas — 90° beamwidth (4 radiation zones for 360°).
- Continuous operating time: 24 h.
- Cooling: active.

KVERTUS AD VEPR M100 COUNTER FPV



KVERTUS AD VEPR M100 COUNTER FPV is a stationary EW system designed specifically to counter FPV drones. It creates a solid dome-like shaped protective radio interference field.

Remote control implemented via Ethernet connection.

ELECTROMAGNETIC INTERFERENCE BANDS

Remote radio control			
420–460 MHz	4 modules, 100 W each	850–940 MHz	4 modules, 100 W each
700–850 MHz	4 modules, 100 W each	940–1050 MHz	4 modules, 100 W each
Remote radio control, video data transmission			
2400–2500 MHz	4 modules, 100 W each		

TECHNICAL SPECIFICATIONS

- Effective distance: up to 7 km (depending on operating conditions).
- Power consumption: up to 6000 W.
- Power supply: 220 V, 50 Hz AC power source (minimum current 25 A).
- Weight: up to 158 kg.
- Antennas: directional patch antennas — 90° beamwidth (8 units, 4 radiation zones for 360°).
- Continuous operating time: 24 h.
- Cooling: active.

KVERTUS AD BERSERK



A remotely controlled platform with a multiband EW system intended for deployment in high-risk areas. It can be modified for casualty evacuation and cargo delivery to the front line.

CARRIER PLATFORM SPECIFICATIONS

- Platform power supply: built-in 48 V, 60 Ah rechargeable battery.
- Cruising range: up to 20 km.
- Speed: up to 25 km/h.
- Remote control frequency range: 100–200 MHz.
- Can be operated via fiber optic cable.
- Remote control reach: up to 500 m (depending on operating conditions).
- Laden weight: up to 700 kg, unladen weight: up to 400 kg.

ELECTROMAGNETIC INTERFERENCE BANDS

1	220–300 MHz	2 modules, 40 W each
2	300–400 MHz	2 modules, 40 W each
3	400–500 MHz	2 modules, 40 W each
4	500–600 MHz	2 modules, 40 W each
5	600–700 MHz	2 modules, 40 W each
6	700–850 MHz	2 modules, 40 W each
7	850–940 MHz	2 modules, 40 W each
8	940–1050 MHz	2 modules, 40 W each
9	2400–2500 MHz	2 modules, 40 W each
10	5700–5900 MHz	2 modules, 40 W each

Bands listed under Nos. 1–8 are covered by omnidirectional antennas.
Bands listed under Nos. 9–10 are covered by directional antennas.

EW SYSTEM SPECIFICATIONS

- Antennas: directional (antenna unit, with beamwidth 60°) and collinear omnidirectional.
- Effective distance: up to 800 m (omnidirectional antennas), up to 1500 m (directional antennas), depending on operating conditions.
- Power supply of the generator unit: 24 V, 395 Ah built-in rechargeable battery.
- Power consumption: up to 3000 W.
- Battery life: up to 4 hours.
- Powered on and off via the platform’s wireless remote control.
- Cooling: active.

RECHARGEABLE BATTERY

24 V, 300Ah



This rechargeable battery is used to power KVERTUS products that normally operate from AC mains power and have power consumption of up to 2 kW. The battery is needed in cases where a device cannot be powered from the mains power or from a generator.

OUTPUT CHANNELS

Connector	Nominal voltage	Max. current	Q-ty, pcs.
Terminal	24 B	100 A	3
XT-90	24 B	60 A	2
USB	5 B	2 A	2

TECHNICAL SPECIFICATIONS

- Battery type: Li-ion.
- Output: 24 V, 100 A, 3 kW.
- Capacity: 300 Ah, 7.2 kW.
- Empty to full charging time: up to 7 hours.
- Charger power consumption: 1.5 kW.
- Charger: 29.2 V, 50 A, built-in, active cooling during charging.
- Inverter: 3 kW, 24–220 V (two sockets), 2 kW max. recommended load.
- Displays: indicating power consumption (on the inverter) and indicating battery charge and cell charge (on the battery).
- The battery has a Bluetooth–controlled BMS.
- Dimensions: 390x650x470 mm.
- Weight: up to 70 kg.

ROTARY MECHANISM FOR REMOTELY OPERATED ANTI-DRONE GUNS



- Compatible with KVERTUS AD G-6+ anti-drone rifle and KVERTUS AD HUNTER. Allows to operate EW devices remotely so that the operator stays sheltered from artillery and small-arms fire.
- The rotary mechanism also helps reduce operator fatigue during continuous operation of the EW device, making long-term use less physically demanding.
- Brackets for mounting your EW device on the rotary mechanism are provided free of charge.
- Wire length (distance between the remote control and the rotary mechanism): up to 40 m.
- Remote control display shows: rotary mechanism rotation and tilt angles; EW device power and battery status; rotary mechanism battery status; remote control battery status; connection status between the remote control and the rotary mechanism.
- Operating time when powered from a 24 V, 10 Ah battery: up to several weeks.
- Rotation and tilt range: 360° (horizontal), 0° to 90° (vertical).

We are on social networks



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Instagram

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