



# KVERTUS

Ukrainian developer and  
manufacturer of electronic  
warfare and reconnaissance  
systems





**KVERTUS** is a Ukrainian privately owned manufacturer of electronic warfare and signal intelligence equipment. Incorporated in 2017, it supplies its products to all defense and law enforcement agencies of Ukraine. The company's tactical EW and SIGINT systems are intended for counteracting civilian UAVs. KVERTUS devices are unparalleled in the world because they are developed based on unique experience in combating drones that Russia has been extensively using in its invasion of Ukraine.

### **Benefits of cooperation with KVERTUS:**

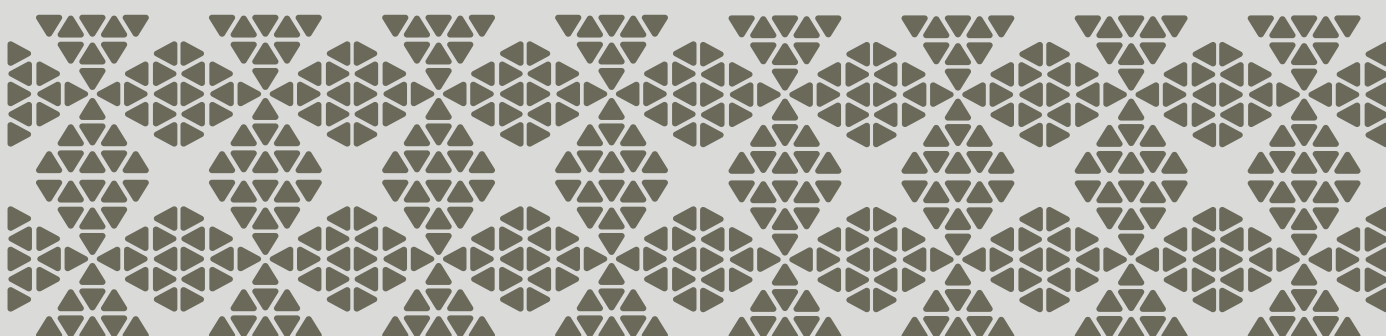
1. Certified products codified according to NATO standards.
2. Supply contracts with the Ministry of Defense of Ukraine.
3. Equipment developed and tested in cooperation with the military.
4. A range of around 30 different devices allowing to perform tasks of varying types and difficulty.
5. Manufacturing capacity exceeding 5 000 devices per month.
6. Swift adjustment to changing military needs.
7. Responsive warranty and non-warranty service.

### **4 areas of application of KVERTUS products:**

1. Small- and large-scale protection of military equipment and personnel in the battlefield.
2. Protection of military, civilian, and critical infrastructure facilities.
3. Protection of storage facilities and transportation means to ensure safe logistics.
4. Protection at mass gathering events

With its strong business infrastructure, own R&D department, and rigorous product testing, KVERTUS can offer customers the best anti-UAV solutions.

### **Tune in to the operating frequency!**







## KVERTUS AD G-6+

**KVERTUS AD G-6+** is an anti-drone gun effective against FPV drones with the standard control frequencies, as well as against Mavic drones and low-cost Autel drone models. The latter two types of drones are used for ammunition drops, reconnaissance, artillery strike adjustments, and FPV attacks. In addition to the drone control channels, the gun blocks two satellite navigation channels

### DELIVERY PACK CONTENTS:

KVERTUS AD G-6+	1 pc.	Charger	1 pc.
TDS and user manual	1 pc.	Set of camouflage covers	1 pc.
Carrying belt	1 pc.	Rechargeable battery 24 V, 10 Ah	1 pc.
Carrying bag	1 pc.	Rechargeable battery 24 V, 15 Ah	1 pc.

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	433–434	10
2	Remote radio control	850–940	20
3	GPS navigation L2, L5	1150–1250	20
4	GPS navigation L1 + GLONASS	1570–1630	20
5	Remote radio control	2400–2500	20
6	Remote radio control	5700–5900	20

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 1500 m (depending on the application conditions).
- ✖ Power supply: rechargeable battery 24 V, 10 Ah and 24 V, 15 Ah.
- ✖ Weight: max. 6.5 kg.
- ✖ Cooling: active.
- ✖ Directional aerials, spatial angle: 30°.
- ✖ Warm-up time from power-on: up to 30 s.

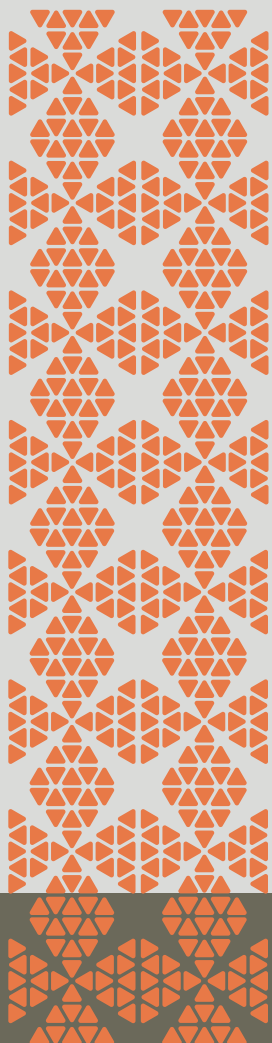






## ROTARY MECHANISM FOR REMOTELY OPERATED ANTI-DRONE GUNS

- ✖ It is designed for installation of the KVERTUS AD G-6+ anti-drone gun and the KVERTUS AD HUNTER device. It allows the operator of EW equipment to control them staying sheltered and thus protect themselves against artillery and small arms fire.
- ✖ The rotary mechanism also allows the operator to save energy needed for holding the drone with the EW device for a long time.
- ✖ To install the EW device on the rotary mechanism, we provide a suitable mount for free.
- ✖ Wire length (distance between the remote control and the rotary mechanism): up to 40 m.
- ✖ Display on the remote control: rotation and tilting angles, switching on and charging of the EW device, charge of the rotary mechanism, charge of the remote control, connection between the remote control and the rotary mechanism.
- ✖ Operating time on a 24 V, 10 Ah battery: up to several weeks.
- ✖ Rotation and tilting: horizontal – 360°, vertical – from 0° to 90°.



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# KVERTUS AD COUNTER FPV

with 24 V, Ah rechargeable battery

KVERTUS AD COUNTER FPV is a line of single-band FPV drone jammers. They cover all non-standard control frequency bands within the range of 700 to 1050 MHz used by FPV drones, as well as those in the lower frequency range of 420 to 460 MHz. These drones account for more than 95% of all enemy FPV drones. The devices of this line create dome-shaped protection and are installed on combat positions and equipment.

## DELIVERY PACK CONTENTS:

KVERTUS AD COUNTER FPV	1 pc.	Tripod	1 pc.
Aerial	2 pci.	Carrying case	1 pc.
Power supply	1 pc.	Passport and instruction manual	1 pc.



## DEVICES INCLUDED IN THE LINE

Nº	Device	Electromagnetic noise spectrum, MHz	Power consumption, W
1	KVERTUS AD COUNTER FPV	850–940	30 (each of the 2 modules)
2	KVERTUS AD COUNTER FPV 400	420–460	30 (each of the 2 modules)
3	KVERTUS AD COUNTER FPV 700	700–850	30 (each of the 2 modules)
4	KVERTUS AD COUNTER FPV 1000	940–1050	30 (each of the 2 modules)

## EQUIPMENT CHARACTERISTICS

- ✦ The UAV blocking range: up to 150 m (depending on the location of a drone operator).
- ✦ Power supply (option without battery): AC 220 v, 50 Hz.
- ✦ Power supply (option with battery): 220 V, 50 Hz AC mains power or 24 V, 15 Ah rechargeable battery.
- ✦ Power consumption: up to 220 W.
- ✦ Weight: max. 8 kg (max. 11 kg with a rechargeable battery).
- ✦ Aerials: omnidirectional collinear.
- ✦ Continuous operation time: at least 24 hours.
- ✦ Battery life: min. 120 min.
- ✦ Warm-up time from power-on: up to 30 s.





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# KVERTUS AD COUNTER FPV F2 M30

KVERTUS AD COUNTER FPV F2 M30 is a line of double-band FPV drone jammers. Each of the device composing this line covers its own unique couple of control frequency bands used by FPV drones in the 420-460 MHz and 700-1050 MHz bands. These drones account for more than 95% of all enemy FPV drones. It was designed to allow anti-drone operators to combine devices covering different bands for the most effective jamming of FPV drones at a given section of the front line. The devices of this line create a dome-shaped defence.

## DELIVERY PACK CONTENTS:

KVERTUS AD COUNTER FPV F2 M30 (depending on the selected modification)	1 pc.	Charger	1 pc.
Passport and instruction manual	1 pc.	Connector for batteries	1 pc.
Aerial	4 pcs.	Tripod	1 pc.
		Carrying bag	1 pc.

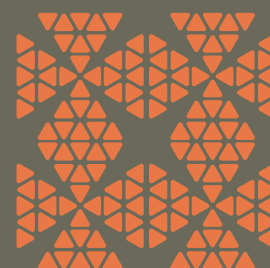


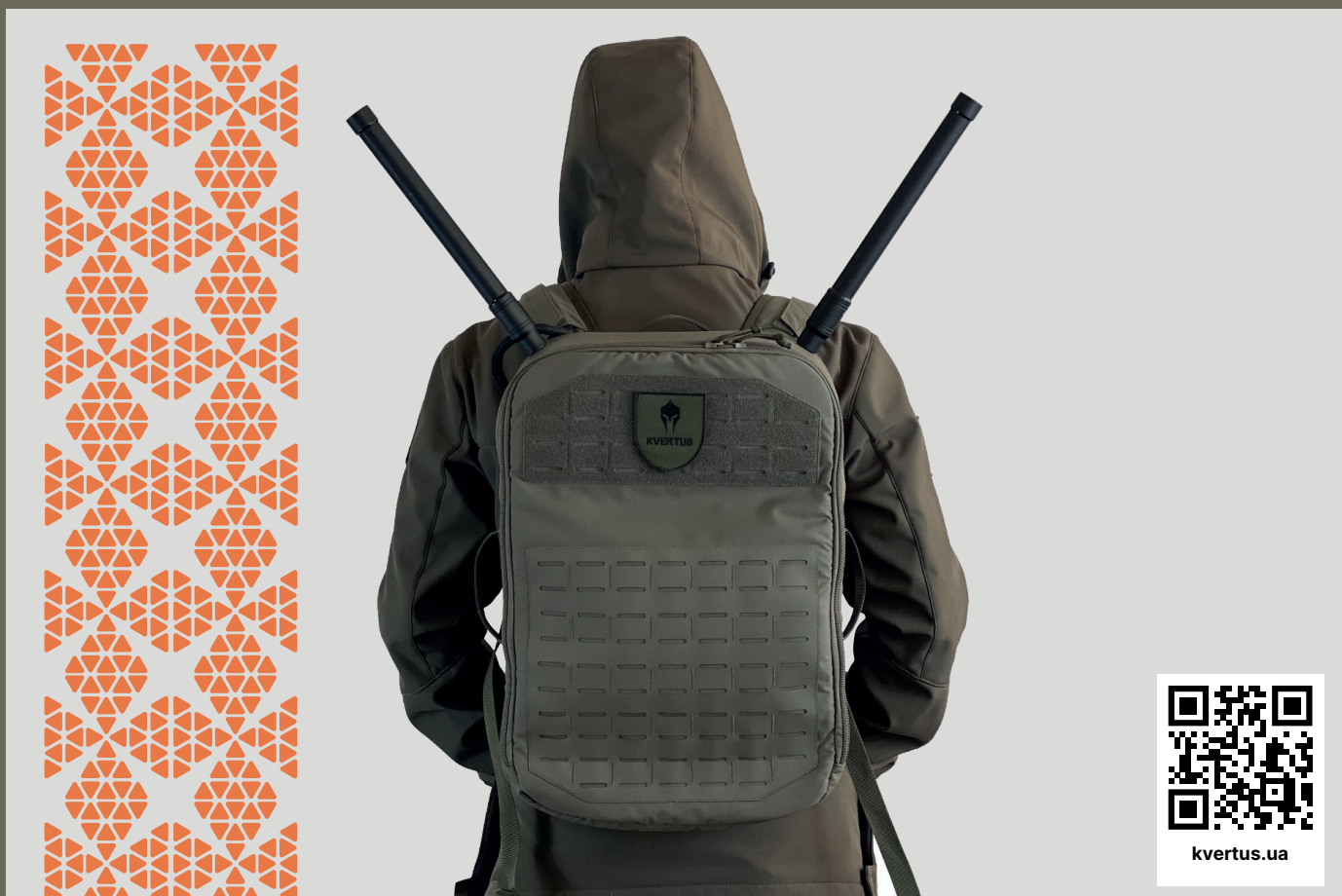
## DEVICES INCLUDED IN THE LINE

Nº	Device	Electromagnetic noise spectra, MHz	Power consumption, W
1	KVERTUS AD COUNTER FPV F2 400+700 M30	420–460, 700–850	30 (each of the 4 modules)
2	KVERTUS AD COUNTER FPV F2 400+900 M30	420–460, 850–940	30 (each of the 4 modules)
3	KVERTUS AD COUNTER FPV F2 400+1000 M30	420–460, 940–1050	30 (each of the 4 modules)
4	KVERTUS AD COUNTER FPV F2 700+900 M30	700–850, 850–940	30 (each of the 4 modules)
5	KVERTUS AD COUNTER FPV F2 700+1000 M30	700–850, 940–1050	30 (each of the 4 modules)
6	KVERTUS AD COUNTER FPV F2 900+1000 M30	850–940, 940–1050	30 (each of the 4 modules)

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 150 m (depending on the location of a drone operator).
- ✖ Power supply: 220 V, 50 Hz AC power source.
- ✖ Cooling: active.
- ✖ Aerial radiation pattern: 360° semi-spherical coverage.
- ✖ Aerials: omnidirectional collinear.
- ✖ Continuous operation time: 24 hours.
- ✖ Warm-up time from power-on: up to 30 s.





# KVERTUS AD COUNTER FPV BACKPACK

with additional rechargeable battery

KVERTUS AD COUNTER FPV BACKPACK is a line of backpacks with a single radio jamming range. They are used by foot and mobile groups on the move during reconnaissance, assault, defence and evacuation operations. They are designed to counter FPV drones that use control in the 420-460 MHz or 700-1050 MHz frequency bands. These drones account for more than 95% of all enemy FPV drones. The devices of this line create a dome-shaped defence.

## DELIVERY PACK CONTENTS:

KVERTUS AD COUNTER FPV BACKPACK	1 pc.	Battery 24 V, 15 Ah	1 pc.
Aerial	2 pcs.	Passport and instruction manual	1 pc.
Power supply	1 pc.		

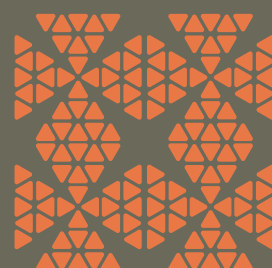


## DEVICES INCLUDED IN THE LINE

Nº	Device	Electromagnetic noise spectrum, MHz	Power consumption, W
1	KVERTUS AD COUNTER FPV BACKPACK	850–940	30 (each of the 2 modules)
2	KVERTUS AD COUNTER FPV BACKPACK 400	420–460	30 (each of the 2 modules)
3	KVERTUS AD COUNTER FPV BACKPACK 700	700–850	30 (each of the 2 modules)
4	KVERTUS AD COUNTER FPV BACKPACK 1000	940–1050	30 (each of the 2 modules)

## EQUIPMENT CHARACTERISTICS

- ✦ The UAV blocking range: up to 150 m (depending on the location of a drone operator)..
- ✦ Power supply: 24 V, 15 Ah rechargeable battery.
- ✦ Weight: max. 9 kg.
- ✦ Aerials: omnidirectional collinear.
- ✦ Battery life: min. 120 min.
- ✦ Warm-up time from power-on: up to 30 s.





# KVERTUS AD COUNTER FPV BACKPACK F2 M50

with additional rechargeable battery

KVERTUS AD COUNTER FPV BACKPACK F2 M50 is a high-power FPV drone jamming system. It covers the entire 700-1050 MHz frequency band. It creates dome-shaped protection and is more effective against drones that are controlled through means that amplify the signal from the drone operator.

## DELIVERY PACK CONTENTS:

KVERTUS AD COUNTER FPV BACKPACK F2 M50	1 pc.	Rechargeable battery	1 pc.
Aerial	4 pcs.	Passport and instruction manual	1 pc.
Charger	1 pc.		

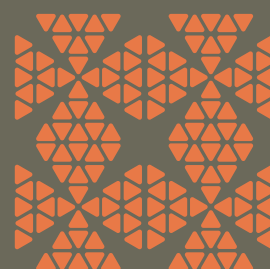


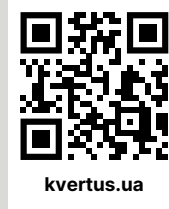
## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	700–900	50
2	Remote radio control	700–900	50
3	Remote radio control	900–1050	50
4	Remote radio control	900–1050	50

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 150 m (depending on the location of a drone operator).
- ✖ Power supply: 24 V, 60 Ah removable rechargeable battery.
- ✖ Weight: max. 15 kg.
- ✖ Aerials: omnidirectional collinear.
- ✖ Battery life: min. 120 min.
- ✖ Warm-up time from power-on: up to 30 s





# KVERTUS AD COUNTER FPV BACKPACK F3 U

with additional rechargeable battery

KVERTUS AD COUNTER FPV BACKPACK F3 U is a backpack version designed to protect against FPV drones with a control channel in the standard radio band, as well as against bombers and reconnaissance drones with a control channel at 2.4 GHz and 5.8 GHz. Mavic drones are the most commonly used as the latter. The backpack is designed for small groups of personnel who need protection while moving on foot or on mobile vehicles during defense, assault, reconnaissance or evacuation operations.

## DELIVERY PACK CONTENTS:

KVERTUS AD COUNTER FPV BACKPACK F3-U	1 pc.	Rechargeable battery	1 pc.
Aerial	6 pcs.	Passport and instruction manual	1 pc.
Charger	1 pc.		

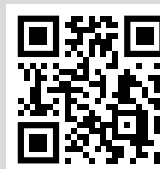
## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	850–940	30
2	Remote radio control	850–940	30
3	Remote radio control	2400–2500	30
4	Remote radio control	2400–2500	30
5	Remote radio control	5700–5900	30
6	Remote radio control	5700–5900	30

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 150 m (depending on the location of a drone operator).
- ✖ Power supply: 24 V, 60 Ah removable rechargeable battery.
- ✖ Weight: max. 15 kg.
- ✖ Aerials: omnidirectional collinear.
- ✖ Battery life: up to 180 min.
- ✖ Warm-up time from power-on: up to 30 s.





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## KVERTUS AD KRAKEN-M

KVERTUS AD KRAKEN-M is a multi-band portable device, designed to protect military, civilian and critical infrastructure, combat positions, command posts. It is effective against FPV drones using standard control frequencies, as well as against Mavic drones and low-cost Autel drone models. It creates both dome-shaped and directional protection, which allows operators to counter drones more flexibly and effectively. It has a remote control.

### DELIVERY PACK CONTENTS:









KVERTUS AD KRAKEN-M	1 pc.	Pin antenna	9 pcs.
Antenna unit with 9 directional antennas	1 pc.	Tripod	1 pc.
Remote control	1 pc.	Passport and instruction manual	1 pc.
		Transport case	1 pc.



## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	420–440	25
2	Remote radio control	850–940	30
3	Remote radio control	850–940	30
4	GPS navigation L2, L5	1150–1250	25
5	GPS navigation L1 + GLONASS	1570–1620	25
6	Remote radio control	2400–2500	25
7	Remote radio control	2400–2500	25
8	Remote radio control	5150–5350	30
9	Remote radio control	5700–5900	25

## EQUIPMENT CHARACTERISTICS

-  The UAV blocking range: up to 1500 m (depending on the location of a drone operator).
-  Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
-  Weight unfolded: max. 40 kg.
-  Cooling: active.
-  Aerials: omnidirectional collinear and directional.
-  Power consumption: up to 1200 W.
-  Continuous operation time: up to 12 hours.
-  Warm-up time from power-on: up to 30 s.



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## KVERTUS AD KRAKEN-E

KVERTUS AD KRAKEN-E is a powerful portable dome-shaped and directional protection system against Mavic and low-cost Autel drone models, as well as against FPV drones using standard control frequencies.

It has a remote control.

### DELIVERY PACK CONTENTS:

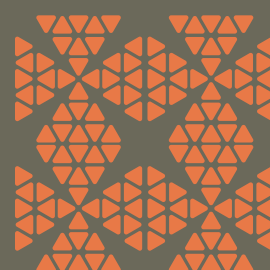
KVERTUS AD KRAKEN-E	1 pc.	Pin antennas	6 pcs.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Remote control	1 pc.	Transportation case	1 pc.
		Passport and instruction manual	1 pc.

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	850–940	50
2	Remote radio control	850–940	50
3	GPS navigation L1 + GLONASS	1570–1630	50
4	Remote radio control	2400–2500	50
5	Remote radio control	2400–2500	50
6	Remote radio control	5700–5900	30

## EQUIPMENT CHARACTERISTICS

- ✦ The UAV blocking range: up to 1800 m (depending on the location of a drone operator).
- ✦ Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
- ✦ Weight unfolded: max. 35 kg .
- ✦ Cooling: active.
- ✦ Aerials: omnidirectional collinear and directional.
- ✦ Power consumption: up to 2000 W.
- ✦ Continuous operation time: 12-hour periods with 60-minute breaks in between;
- ✦ Warm-up time from power-on: up to 30 s.





## KVERTUS AD KRAKEN-U

KVERTUS AD KRAKEN-U is a version in the KRAKEN line that creates a powerful dome-shaped defence against FPV drones, Mavic drones and low-cost Autel drone models. The device counteracts FPV drones in the band of their non-standard frequencies, which are used to control most of these drones. Thus, this version is capable of countering both kamikaze drones and bombers, and civilian reconnaissance drones. Like other devices in this line, KVERTUS AD KRAKEN-U has a directional aerial unit that avoids impacting friendly drones and increases the density of interference in the desired direction. It has a remote control.

### DELIVERY PACK CONTENTS:

KVERTUS AD KRAKEN-U	1 pc.	Remote control	1 pc.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Pin antennas	9 pcs.	Transportation case	1 pc.
		Passport and instruction manual	1 pc.



## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	700–850	50
2	Remote radio control	700–850	50
3	Remote radio control	850–940	50
4	Remote radio control	850–940	50
5	Remote radio control	940–1050	50
6	Remote radio control	940–1050	50
7	Remote radio control	2400–2500	50
8	Remote radio control	2400–2500	50
9	Remote radio control	5700–5900	30

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 2000 m (depending on the location of a drone operator).
- ✖ Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24–28 V DC power source.
- ✖ Weight unfolded: max. 40 kg.
- ✖ Cooling: active.
- ✖ Aerials: omnidirectional collinear and directional.
- ✖ Power consumption: up to 3000 W.
- ✖ Continuous operation time: 12-hour periods with 60-minute breaks in between;
- ✖ Warm-up time from power-on: up to 30 s.



## KVERTUS AD KRAKEN-U+

KVERTUS AD KRAKEN-U+ has the basic functionality of KVERTUS AD KRAKEN-U while also covering the additional frequency range of 420 to 460 MHz, which is often used by FPV drones. This, combined with the coverage of the 700 to 1050 MHz range, adds to the device's versatility in countering FPV drones. At the same time, it retains the essential functionality of protection against civilian surveillance UAVs and bomber drones.

The device can be operated by remote control.









### DELIVERY PACK CONTENTS:

KVERTUS AD KRAKEN-U+	1 pc.	Remote control	1 pc.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Pin antennas	11 pcs.	Passport and instruction manual	1 pc.
		Transportation case	1 pc.

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	420-460	50
2	Remote radio control	700-850	50
3	Remote radio control	700-850	50
4	Remote radio control	850-940	50
5	Remote radio control	850-940	50
6	Remote radio control	940-1050	50
7	Remote radio control	940-1050	50
8	Remote radio control	2400-2500	50
9	Remote radio control	2400-2500	50
10	Remote radio control	5700-5900	30

## EQUIPMENT CHARACTERISTICS

-  The UAV blocking range: up to 2000 m (depending on the location of a drone operator).
-  Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
-  Weight unfolded: max. 40 kg.
-  Cooling: active.
-  Aerials: omnidirectional collinear and directional.
-  Power consumption: up to 3000 W.
-  Continuous operation time: 12-hour periods with 60-minute breaks in between;
-  Warm-up time from power-on: up to 30 s.



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## KVERTUS AD KRAKEN-A

**KVERTUS AD KRAKEN-A is the first portable electronic warfare device in Ukraine, effective against Autel EVO Max 4T and EVO Max 4N drones! This is achieved due to the expanded number of bands above 1 GHz. The device also covers the entire band of non-standard FPV drone control frequencies. Thus, the KVERTUS AD KRAKEN-A provides the best combination of protection against both civilian branded and FPV drones among tactical electronic warfare systems. It provides dome-shaped and directional protection. It has a remote control.**

### DELIVERY PACK CONTENTS:









KVERTUS AD KRAKEN-A	1 pc.	Remote control	1 pc.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Pin antennas	11 pcs.	Passport and instruction manual	1 pc.
		Transportation case	1 pc.

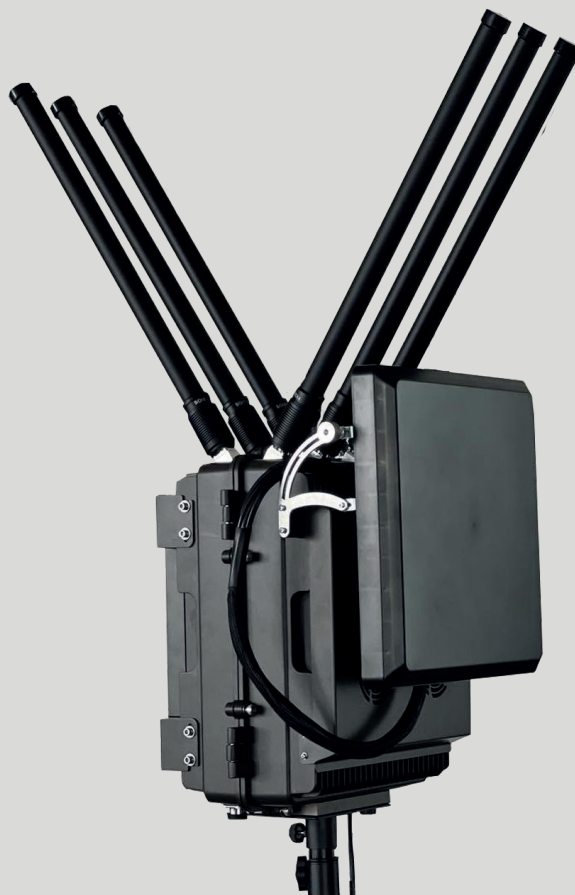


## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	700–850	50
2	Remote radio control	700–850	50
3	Remote radio control	850–940	50
4	Remote radio control	850–940	50
5	Remote radio control	940–1050	50
6	Remote radio control	940–1050	50
7	Remote radio control	1420–1460	50
8	Remote radio control	2390–2500	50
9	Remote radio control	2390–2500	30
10	Remote radio control	5150–5250	50
11	Remote radio control	5700–5900	50

## EQUIPMENT CHARACTERISTICS

-  The UAV blocking range: from 200 m (depending on the location of a drone operator).
-  Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
-  Weight unfolded: max. 40 kg.
-  Cooling: active.
-  Aerials: omnidirectional collinear and directional.
-  Power consumption: up to 3000 W.
-  Continuous operation time: 12-hour periods with 60-minute breaks in between;
-  Warm-up time from power-on: up to 30 s.



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# KVERTUS AD KRAKEN COUNTER FPV F3 M30

KVERTUS AD KRAKEN COUNTER FPV F3 M30 designed to counteract FPV drones in three radio bands. The device has six jamming channels with a power of 30 W each – two per band. It covers the frequencies used by most FPV drones. The device can create dome-shaped protection thanks to omnidirectional aerials, as well as directional protection thanks to a block of directional aerials. It has a remote control.

## DELIVERY PACK CONTENTS:

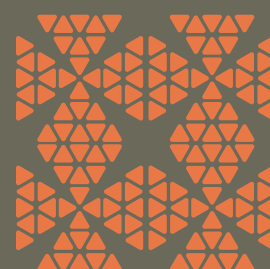
KVERTUS ADKRAKEN COUNTER FPV F3 M30	1 pc.	Remote control	1 pc.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Pin antennas	6 pcs.	Passport and instruction manual	1 pc.
		Transportation case	1 pc.

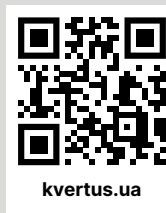
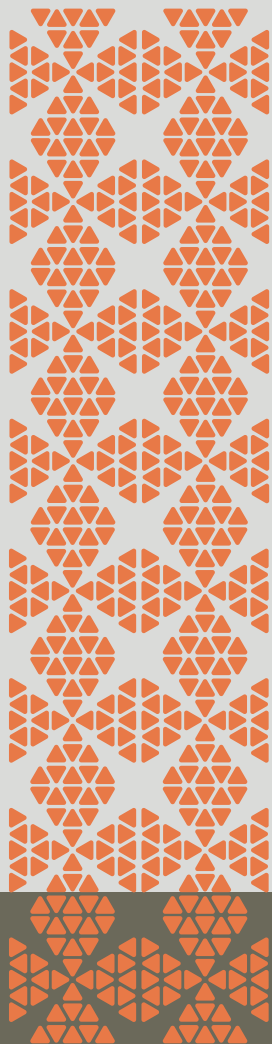
## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	700–850	30
2	Remote radio control	700–850	30
3	Remote radio control	850–940	30
4	Remote radio control	850–940	30
5	Remote radio control	940–1050	30
6	Remote radio control	940–1050	30

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: from 150 m (depending on the location of a drone operator).
- ✖ Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
- ✖ Weight unfolded: max. 40 kg.
- ✖ Cooling: active.
- ✖ Aerials: omnidirectional collinear and directional.
- ✖ Power consumption: up to 1500 W.
- ✖ Continuous operation time: 12-hour periods with 60-minute breaks in between;
- ✖ Warm-up time from power-on: up to 30 s.





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# KVERTUS AD KRAKEN COUNTER FPV F4 M30

KVERTUS AD KRAKEN COUNTER FPV F4 M30 is designed to counter FPV drones in four radio bands. The device has eight jamming channels with a density of 30 W each – two per band. It covers the frequencies used by more than 95% of FPV drones. The device provides dome shielding thanks to omnidirectional aerials or directional shielding thanks to a block of directional aerials. It has a remote control.

## DELIVERY PACK CONTENTS:

KVERTUS AD KRAKEN COUNTER FPV F4 M30	1 pc.	Remote control	1 pc.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Pin antennas	8 pcs.	Passport and instruction manual	1 pc.
		Transportation case	1 pc.



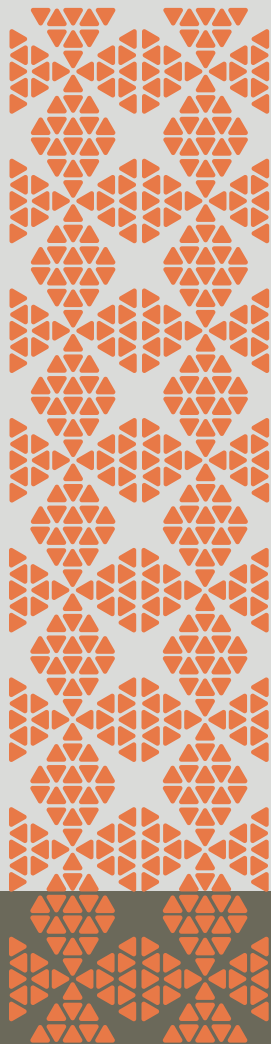
## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	420–460	30
2	Remote radio control	420–460	30
3	Remote radio control	700–850	30
4	Remote radio control	700–850	30
5	Remote radio control	850–940	30
6	Remote radio control	850–940	30
7	Remote radio control	940–1050	30
8	Remote radio control	940–1050	30

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: from 150 m (depending on the location of a drone operator).
- ✖ Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
- ✖ Weight unfolded: max. 40 kg.
- ✖ Cooling: active.
- ✖ Aerials: omnidirectional collinear and directional.
- ✖ Power consumption: up to 1500 W.
- ✖ Continuous operation time: 12-hour periods with 60-minute breaks in between;
- ✖ Warm-up time from power-on: up to 30 s.





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# KVERTUS AD KRAKEN COUNTER FPV F3 M50

KVERTUS AD KRAKEN COUNTER FPV F3 M50 is a more powerful version of the KVERTUS AD KRAKEN COUNTER FPV F3 M30. Both devices have the same number of bands, electromagnetic interference channels, design and weight. The M50 version generates 50 W of jamming power in each channel, so it provides better protection against FPV drones in case the enemy uses repeater control or if the drone operator is close. It has a remote control.

## DELIVERY PACK CONTENTS:

KVERTUS AD KRAKEN COUNTER FPV F3 M50	1 pc.	Remote control	1 pc.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Pin antenna	6 pcs.	Passport and instruction manual	1 pc.
		Transportation case	1 pc.

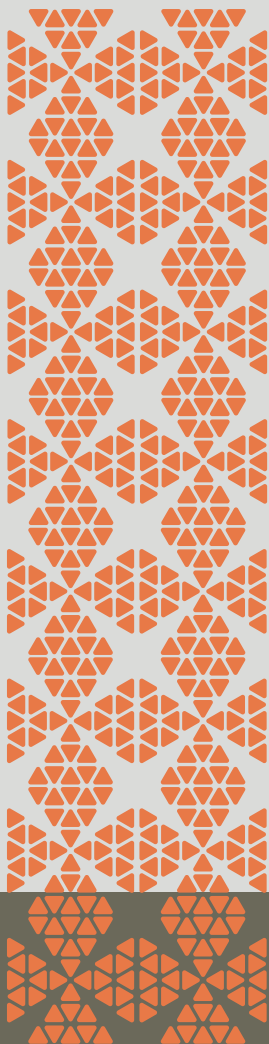
## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	700–850	50
2	Remote radio control	700–850	50
3	Remote radio control	850–940	50
4	Remote radio control	850–940	50
5	Remote radio control	940–1050	50
6	Remote radio control	940–1050	50

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: from 200 m (depending on the location of a drone operator).
- ✖ Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
- ✖ Weight unfolded: max. 40 kg.
- ✖ Cooling: active.
- ✖ Aerials: omnidirectional collinear and directional.
- ✖ Power consumption: up to 1800 W.
- ✖ Continuous operation time: 12-hour periods with 60-minute breaks in between;
- ✖ Warm-up time from power-on: up to 30 s.





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# KVERTUS AD KRAKEN COUNTER FPV F4 M50

KVERTUS AD KRAKEN COUNTER FPV F4 M50 is a more powerful version of the KVERTUS AD KRAKEN COUNTER FPV F4 M30. Both devices have the same number of bands, electromagnetic interference channels, design and weight. The M50 version generates 50 W of jamming power in each channel, so it provides better protection against FPV drones in case the enemy uses repeater control or if the drone operator is close. It has a remote control.

## DELIVERY PACK CONTENTS:

KVERTUS ADKRAKEN COUNTER FPV F4 M50	1 pc.	Remote control	1 pc.
Antenna unit with directed antennas	1 pc.	Tripod	1 pc.
Pin antennas	8 pcs.	Passport and instruction manual	1 pc.
		Transportation case	1 pc.

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	420–460	50
2	Remote radio control	420–460	50
3	Remote radio control	700–850	50
4	Remote radio control	700–850	50
5	Remote radio control	850–940	50
6	Remote radio control	850–940	50
7	Remote radio control	940–1050	50
8	Remote radio control	940–1050	50

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: from 200 m (depending on the location of a drone operator).
- ✖ Power supply: 220 V, 50 Hz mains (including petrol or diesel generator); 24-28 V DC power source.
- ✖ Weight unfolded: max. 40 kg.
- ✖ Cooling: active.
- ✖ Aerials: omnidirectional collinear and directional.
- ✖ Power consumption: up to 1800 W.
- ✖ Continuous operation time: 12-hour periods with 60-minute breaks in between;
- ✖ Warm-up time from power-on: up to 30 s.







## KVERTUS AD HUNTER

KVERTUS AD HUNTER is a portable electronic warfare device designed to counteract Mavic drones, low-cost Autel drones and similar models using 2.4 and 5.8 GHz control frequencies. Such drones are used to adjust artillery fire, conduct aerial reconnaissance and drop ammunition. The device produces directional radiation and has side handles that make it easy to hold.

### DELIVERY PACK CONTENTS:

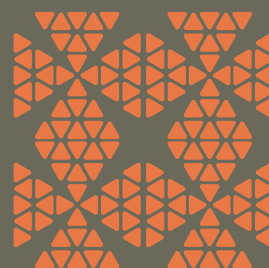
KVERTUS AD HUNTER	1 pc.	Cover bag	1 pc.
Charger	1 pc.	Passport and instructions	1 pc.
Tripod	1 pc.		

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	1570–1630	20
2	Remote radio control	2400–2500	20
3	Remote radio control	2400–2500	20
4	Remote radio control	5700–5900	20

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 2000 m (depending on the location of a drone operator).
- ✖ Power supply: built-in rechargeable battery: 24 V, 10 Ah.
- ✖ Weight: 6 kg.
- ✖ Aerials: directional, spatial angle 60°.
- ✖ Battery life: up to 60 minutes.
- ✖ Warm-up time from power-on: up to 30 s.





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# KVERTUS AD CHAOS

KVERTUS AD CHAOS is a device in the "suitcase" form factor. It provides directional and dome-shaped protection against FPV drones, bombers and reconnaissance drones. It does not require additional manipulations for installation, so it allows operators to quickly deploy the protection while remaining in the protected position.

## DELIVERY PACK CONTENTS:

KVERTUS AD CHAOS

1 pc.

Charger

1 pc.

Aerial

2 pcs.

Passport and instruction manual

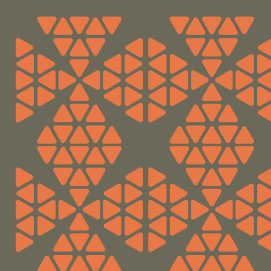
1 pc.

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	850-940	20
2	Remote radio control	850-940	20
3	Remote radio control	2400-2500	20
4	Remote radio control	2400-2500	20
5	Remote radio control	5700-5900	20

## EQUIPMENT CHARACTERISTICS

- ✦ UAV blocking range: directional aerials – up to 1000 m, protective dome – up to 300 m (depending on the location of a drone operator).
- ✦ Power supply: 220 V, 50 Hz AC mains or built-in rechargeable battery (3 pcs. included).
- ✦ Weight: up to 20 kg.
- ✦ Aerials: directional (2400-2500 MHz, 5700-5900 MHz), spatial angle 60°; omnidirectional collinear (850-940 MHz).
- ✦ Battery life: up to 3 hours.
- ✦ Warm-up time from power-on: up to 30 s.





## KVERTUS AD VEPR M50

KVERTUS AD VEPR M50 is a stationary electronic warfare system consisting of a separate generator unit connected to aerials mounted on the mast. The complex is designed for permanent dome-shaped protection of important military and civilian facilities. Types of drones countered by the system: FPV drones with standard control frequencies, Mavic, low-cost Autel drone models.

### DELIVERY PACK CONTENTS:

Antenna:		Antenna connection cable	22 pcs.
420-440 MHz pin antenna	2 pcs.	Power cable	1 pc.
Antenna unit 2 in 1 (850-940 MHz, 1150-1250 MHz)	4 pcs.	Tripod mast	1 pc.
Antenna unit 3 in 1 (1570-1620 MHz, 2400-2500 MHz, 5700-5900 MHz)	4 pcs.	Generator unit	1 pc.



## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	420–440	50 (each of the 2 modules)
2	Remote radio control	850–940	50 (each of the 2 modules)
3	GPS navigation L2, L5	1150–1250	50 (each of the 2 modules)
4	GPS navigation L1 + GLONASS	1570–1620	50 (each of the 2 modules)
5	Remote radio control	2400–2500	50 (each of the 2 modules)
6	Remote radio control	5700–5900	50 (each of the 2 modules)

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 2000 m (depending on the location of a drone operator).
- ✖ Power consumption: up to 4 kW.
- ✖ Power supply: 220 V, 50 Hz AC power source with a current of at least 20 A.
- ✖ Weight: max. 120 kg.
- ✖ Aerials: directional, spatial angle 90° (8 units, which, after installation, radiate in the direction of 360°); omnidirectional collinear (2 pcs.).
- ✖ Continuous operation time: 24 hours.
- ✖ Warm-up time from power-on: up to 30 s.





## KVERTUS AD VEPR M100

KVERTUS AD VEPR M100 is a more powerful version of the KVERTUS AD VEPR M50 complex. M100 can be used stationary – with aerials mounted on a mast, or mobile – with aerials mounted on a pickup truck. Mobile use allows operators to perform operational tasks requiring high dynamics of actions.

### DELIVERY PACK CONTENTS:

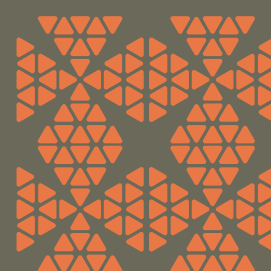
Antenna		Antenna connection cable	22 pcs.
420-440 MHz pin antenna	2 pcs.	Power cable	1 pc.
Antenna unit 2 in 1 (850-940 MHz, 1150-1250 MHz)	4 pcs.	Tripod mast	1 pc.
Antenna unit 3 in 1 (1570-1620 MHz, 2400-2500 MHz, 5700-5900 MHz)	4 pcs.	Generator unit	1 pc.
		Passport and instruction manual	1 pc.

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	420–440	100 (each of the 2 modules)
2	Remote radio control	850–940	100 (each of the 4 modules)
3	GPS navigation L2, L5	1150–1250	100 (each of the 4 modules)
4	GPS navigation L1 + GLONASS	1570–1620	100 (each of the 4 modules)
5	Remote radio control	2400–2500	100 (each of the 4 modules)
6	Remote radio control	5700–5900	50 (each of the 4 modules)

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 3000 m (depending on the location of a drone operator).
- ✖ Power consumption: up to 5 kW.
- ✖ Power supply: 220 V, 50 Hz AC power source with a current of at least 25 A.
- ✖ Weight: max. 120 kg.
- ✖ Aerials: directional, spatial angle 90° (8 units, which, after installation, radiate in the direction of 360°); omnidirectional collinear (2 pcs.).
- ✖ Continuous operation time: 24 hours.
- ✖ Warm-up time from power-on: up to 30 s.





## KVERTUS AD VEPR M100 GPS

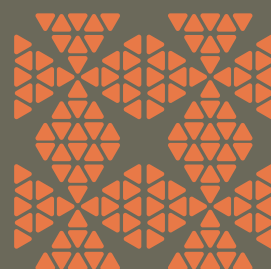
**KVERTUS AD VEPR M100 GPS is a stationary electronic warfare device specialised in blocking the navigation channels of drones to prevent them from targeting infrastructure facilities.**

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	GPS navigation L2, L5	1150–1250	100 (each of the 4 modules)
2	GPS navigation L3	1375–1390	100 (each of the 4 modules)
3	GPS navigation L1 + GLONASS	1570–1620	100 (each of the 4 modules)

## EQUIPMENT CHARACTERISTICS

- ✖ The UAV blocking range: up to 3000 m (depending on the location of a drone operator).
- ✖ Power consumption: up to 3.5 kW.
- ✖ Power supply: 220 V, 50 Hz AC power source with a current of at least 16 A.
- ✖ Weight: max. 100 kg.
- ✖ Aerials: directional, spatial angle 90° (4 units that radiate in a 360° direction after installation).
- ✖ Continuous operation time: 24 hours.
- ✖ Warm-up time from power-on: up to 30 s







## KVERTUS AD VEPR M100 COUNTER FPV

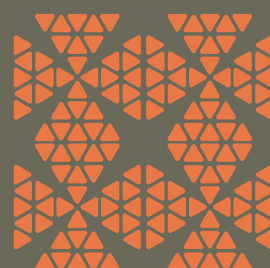
**KVERTUS AD VEPR M100 COUNTER FPV is a stationary electronic warfare device specialised in countering FPV drones. It creates a powerful dome-shaped defence against more than 95% of FPV drones.**

## ELECTROMAGNETIC INTERFERENCE SPECTRA

Nº	Interference channel	Electromagnetic noise spectrum, MHz	Power consumption, W
1	Remote radio control	420–460	100 (each of the 4 modules)
2	Remote radio control	700–850	100 (each of the 4 modules)
3	Remote radio control	850–940	100 (each of the 4 modules)
4	Remote radio control	940–1050	100 (each of the 4 modules)

## EQUIPMENT CHARACTERISTICS

- ✦ The UAV blocking range: up to 3000 m (depending on the location of a drone operator).
- ✦ Power supply: 220 V, 50 Hz AC power source with a current of at least 25 A.
- ✦ Weight: max. 120 kg.
- ✦ Aerials: directional, spatial angle 90° (8 units, which, after installation, radiate in the direction of 360°); omnidirectional collinear (2 pcs.).
- ✦ Continuous operation time: 24 hours.
- ✦ Warm-up time from power-on: up to 30 s.





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## KVERTUS MS AZIMUTH

**Portable electronic reconnaissance system.**

It is designed to detect all sources of radio radiation – UAVs, electronic warfare and radar equipment, communications and telecommunications. The system exceeds all known analogues, including foreign ones, in terms of scanning speed. The minimum duration of a packet detected by the complex is 32 microseconds.

A pair of KVERTUS MS AZIMUTH complexes can determine the exact position of the drone.

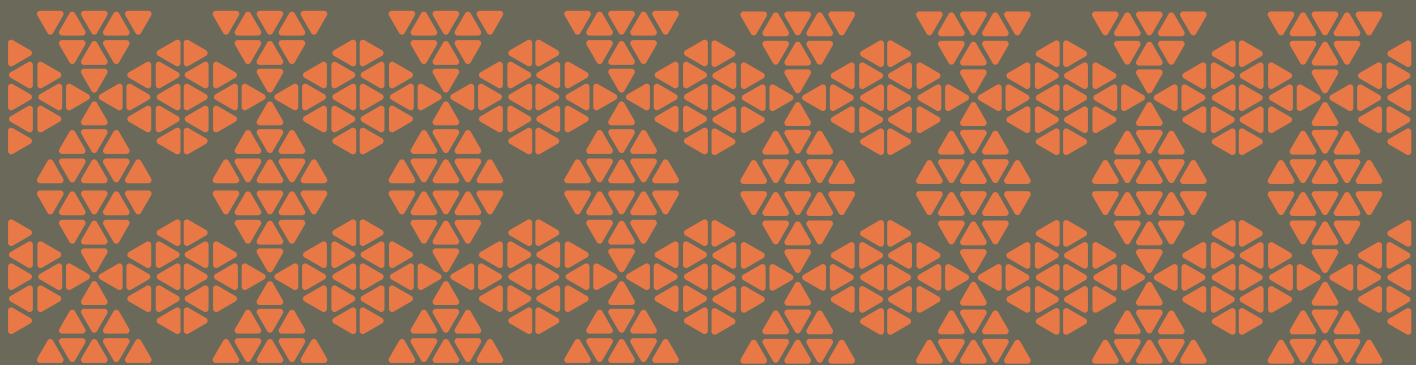
The system is supplied with a laptop with the necessary software for the operator of the complex.

### DELIVERY PACK CONTENTS:

Specific emitter identification unit	1 pc.	Laptop with pre-installed station control software	1 pc.
Aerial feeder system	1 pc.	Protective carrying case	1 pc.

## EQUIPMENT CHARACTERISTICS OF THE COMPLEX

Frequency range	30-6000 MHz
Instantaneous bandwidth	200 MHz
Frequency scanning speed	540 GHz / s
Frequency resolution	30 kHz
Single-signal dynamic range	$\geq 80,95$
Maximum detection range	15 km
Minimum direction finding time	0,04 $\mu$ s
Bearing accuracy	$\leq 5^{\circ}$ (RMS)
Aerial gain	6 dB
Vertical viewing area	60°
Horizon viewing area	360°
Polarisation	vertical
Signal processing	digital
Number of simultaneous targets tracked	$\leq 100^{\circ}$
Target detection	automatic
Serviceability monitoring	automatic
Fault detection	semi-automatic with accuracy down to a replacement module level
Interfaces	Ethernet
Power consumption	100 W (50 Hz, 220 V)
Operating temperature	-20 .... + 50°C
Weight of the equipment (without AFS)	8 kg



**KVERTUS**

KVERTUS equipment  
is extensively used  
in real combat conditions  
to save lives of soldiers



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