



# NAUDI

National Association of  
Ukrainian Defense Industries



# KVERTUS



## KVERTUS AD HUNTER

KVERTUS AD HUNTER is a portable UAV jamming system that has been used by the military, police, and security services, yielding great results. The device blocks the 2.4 GHz, 5.8 GHz, and 1,6 GHz frequency ranges, which are used for remote guidance, navigation, and control of most modern commercially available UAVs. The blocking range may vary depending on the distance between the UAV and its operator.

### Delivery pack contents:

KVERTUS AD HUNTER	1 pc.	Tripod	1 pc.
Charger	1 pc.	Carrying bag	1 pc.
TDS and user manual	1 pc.		

<b>Up to 60 min</b>	Battery life
<b>2000 m</b>	UAV blocking range
<b>90 W</b>	Total output power
<b>Aerials</b>	Directional
<b>-20 to +60 °C</b>	Operating temperature
<b>5,3 kg</b>	Weight of the kit



## AERIAL CHARACTERISTICS

Frequency range, MHz	1575-1620MHZ	2400-2500MHZ	2400-2500MHZ	5650-5920MHZ
Aerial gain, dBi	14	14	14	15
Standing wave ratio	≤1.5	≤1.5	≤1.5	≤1.5
Polarization	Vertical	horizontal	Vertical	Vertical
Horizontal radiation pattern	35°	35°	35°	35°
Vertical radiation pattern	32°	32°	32°	32°
Front to back ratio, dB	≥24	≥24	≥24	≥24
Wave impedance, Q	50Ω	50Ω	50Ω	50Ω

## FREQUENCY BLOCKING RANGES

№	Interference channel	Electromagnetic noise spectrum, MHz	Power, W
1	GPS navigation LI + GLONASS	1570-1620	30
2	Remote radio control and video data transmission	2400-2500	20
3	Remote radio control and video data transmission	2400-2500	20
4	Remote radio control and video data transmission	5700-5900	20

## EQUIPMENT CHARACTERISTICS:

- The UAV blocking range is up to 2000 m (depending on the location of a drone operator).
- Type of noise interference: white noise, normalized noise disturbance: 0,8.
- Aerial gain may range from 14 to 21 dB, depending on the requirements of design documentation.
- Dimensions: 285x255x95 mm.
- Charger power consumption is up to 40 W.
- Total output power: 90 W.
- The battery is charged with AC mains power (50 Hz, 220 V). Permissible deviations as per DSTU 4177 range from -15% to +10%.
- Weight: 5.3 kg
- Electromagnetic field immunity of the device complies with the requirements of DSTU EN 55014-2 and DSTU EN 61000-6-14.
- Warm-up time from power-on is up to 0.5 sec.
- Maximum levels of radio frequency emission do not exceed those stipulated in clause 4.5 of DSN 3.3.6.096 (in equipment operation areas) and clause 1.3 of DSN 239 (in populated areas).
- The level of radio interference to other devices and equipment does not exceed the values stipulated in DSTU ETSI EN 300 440-2, DSTU EN 55014-1, DSTU IEC 61000-3-2, DSTU EN 61000-6-3, and DSTU IEC 61000-2-4.



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