

AARONIA AARTOS

SECTOR UAV JAMMER

COUNTER-MEASURE SOLUTIONS

Jamming system with 1300 W output power and up to 8 km range



Highlights:

- Up to 1300 W output power
- Extremely high range of up to 8 km
- Covers up to 16 bands

**AARONIA AG**
WWW.AARONIA.DE



Gewerbegebiet Aaronia AG II, DE-54597 Strickscheid
Tel.: +49(0)6556-9019-355 Fax: +49(0)6556-93034
www.aaronia.com E-Mail: mail@aaronia.de



MADE IN GERMANY

Highlights

- ✓ Extremely high jamming range of up to 8 km
- ✓ Covers up to 16 bands
- ✓ Total output power of up to 1300 W
- ✓ Covers most of all commercially available drone models
- ✓ Corner Jammer (180°) or Omni-Jammer (360°) available
- ✓ Directional and omnidirectional antennas included
- ✓ Operating temperature: -20° C to +60° C
- ✓ Made in Germany

Technical Information

- ✓ 7 - 8 bands with 3 - 4 antennas (2 directional, 1 - 2 omnidirectional) or 14 - 16 bands in 6 - 8 antennas (4 directional, 2 - 4 omnidirectional)
- ✓ Directional antenna specifications (one antenna covers 90°):
 - 2,40 GHz - 2,50 GHz / 25 W (high power version: 100 W)
 - 1,57 GHz - 1,62 GHz (GPS (optional) L1 + GLONASS L1) / 40W (high power version: 100 W)
 - 5,70 GHz - 5,90 GHz / 20 W (high power version: 25 W)

Impedance:	50 Ohm
VSWR:	≤ 1,5
Dimensions(L/W/D):	745 x 180 x 80 mm
Weight:	4 kg

- ✓ Omnidirectional antenna specifications (360° per antenna):
 - 433 MHz (remote control) / 20 W (high power version: 100 W)
 - High power version only: 860 MHz - 930 MHz (remote control) / 100 W
- ✓ Color: White (default), Aaronia black / blue or other RAL colors available by option



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MADE IN GERMANY

AARTOS CMS Jammer Versions

Mobile Handheld / Manpack Jammer



Omni- and directional antenna, covers a total of **4/5 bands**, up to 120 W (up to 2,5 km range)

Automatic Sector Jammer (180°/360°)



2/4 sectors with 2/4 antennas, covers **all bands**, 180 W/360W (up to 3 km range) or 650 W/1300W (up to 6 km range)

Automatic Sector Jammer (360°)



8 sectors with 8 antennas, covers **all bands**, 360 W (up to 3 km range) or 1300 W output (up to 8 km range)

Jammer disclaimer

The AARTOS CMS (Countermeasure Solutions) can only be sold to entities with proper government approval for the deployment of jammers. Contact us for more information at mail@aaronia.de.

AARTOS Drone Detection Versions

AARTOS DDS X3 (Mobile)



Portable solution, omnidirectional, range: 500 m - 2 km

Designed to be used as a concealed and portable drone and jammer detection device, the setup is lightweight and offers a battery life of 1.5 hours. Equally easy to operate and carry, the system is ready to use within half a minute.

AARTOS DDS X7 (Advanced)



1 - 3° accuracy, range: ~ 2 - 5 km

Highest-precision drone detection combined with an extremely high detection range. The system consists of a 16 sector IsoLOG 3D DF antenna array and a spectrum analyzer (V6 Command Center, V6 XFR Pro or V6 Rugged Rack). Perfect for both single-system and multi-grid system setups.

AARTOS DDS X5 (Base)



4 - 6° accuracy, range: ~ 1 - 2 km

The base system consists of one analyzer (V6 Command Center, V6 XFR Pro or V6 Rugged Rack) and one IsoLOG 3D DF antenna array with 8 sectors. It is a highly cost-effective solution, which can be used to cover large areas with a drone detection grid.

AARTOS DDS X9 (Ultra-Wideband)



1 - 3° accuracy, range: ~ 5 - 14 km (50 km)

The X9 combines highest precision and ultra-wide-band monitoring for instant, real-time detection over multiple bands (instead of one instant or multiple via hopping). The system consists of an IsoLOG 3D DF antenna array with 16 sectors and the UWB unit, perfect for ultra-high-range drone detection grids.

- OVER 100 INSTALLATIONS IN 2019 -
(HUNDREDS CURRENTLY IN PREPARATION)

CUSTOMER GROUPS

- Military & police forces (ground & air)
- Convoys
- Airports
- Power plants
- VIP security services
- Border patrols
- Government buildings
(e.g. embassies, correctional facilities)
- Events
(concerts, political events, sports etc.)
- Seaports / marinas
- Private properties

AARTOS DDS
REFERENCES