

Aaronia AARTOS Counter-Measure Solutions

# Sector UAV-Jammer

Jamming System with 1300W Output Power and up to 8km Range



Up to 1300W Output Power

Extremely High Range of up to 8km

Covers up to 16 Bands

# Highlights

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

## Technical Information

- ✓ 7-8 bands with 3-4 antennas (2 directional, 1-2 omni-directional) **OR**
- ✓ 14-16 bands in 6-8 antennas (4 directional, 2-4 omni-directional)
- ✓ Directional antenna specifications (one antenna covers 90°):
  - 2,4GHz - 2,5GHz / 20W (High Power Version: 100W)
  - 1570MHz - 1620MHz (GPS L1 + GLONASS L1) / 25W (High Power Version: 100W)
  - 5,7GHz - 5,9GHz / 20W (High Power Version: 25W)

Impedance: 50 Ohm  
VSWR:  $\leq 1.5$   
Dimensions(L/W/D): 74,5x18x8cm  
Weight: 4kg

- ✓ Omni-directional antenna specifications (360° per antenna):
  - 433MHz (Remote Control) / 50W (High Power Version: 100W)
  - High Power Version only:** 860MHz - 930MHz (Remote Control) / 100W
- ✓ Color: Gray (default), optional Aaronia black/blue or other RAL colors



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**MADE IN GERMANY**

# AARTOS CMS Jammer Versions

## Manpack-Jammer



Omni- or Directional Antenna,  
Covers 5 bands,  
120W (range up to 2,5km) output

## Corner-Jammer (180°)



2 sectors with 2 antennas,  
Covers 7-8 bands,  
180W (range up to 3km) or  
650W (up to 6km) output

## Omni-Jammer (360°)



4 sectors with 4 antennas,  
Covers 14-16 bands,  
360W (range up to 3km) or  
1300W (up to 8km) output

### Jammer Disclaimer

The AARTOS CMS (Counter-Measure Solutions) can only be sold to entities, who have proper government permits for the deployment of jammers. Contact us for more information at [mail@aaronia.de](mailto:mail@aaronia.de)

# AARTOS Drone Detection Versions

## X3 (Mobile)



Designed to be used as an easily portable drone and jammer detection device. This setup is lightweight and comfortable for the carrier. It offers a long battery life.

## X5 (Base)



The system consists of an analyzer (Command Center, XFR Pro or ODB) and an IsoLOG 3D antenna-array with 8 sectors. It can be used as a very cost-effective method to cover large areas with drone detection systems.

## X7 (Advanced)



The highest precision in drone detection, combined with a very high detection range. Perfect for both single-system and multi-grid-system setups. It consists of a 16 sector IsoLOG 3D antenna-array and a spectrum analyzer (Command Center, XFR Pro or ODB).

## X9 (Ultra Wideband)



The X9 combines the highest precision and range and adds ultra wideband monitoring for instant, real-time detection on multiple bands (instead of one instant or multiple via hopping). Consists of an IsoLOG 3D antenna-array with 16 sectors and the UWB unit.

# References



## Cross-Section of Aaronia Clients

### Government, Military, Aeronautic, Astronautic

- NATO, Belgium
- Department of Defense, USA
- Department of Defense, Australia
- Airbus, Germany
- Boeing, USA
- Bundeswehr, Germany
- NASA, USA
- Lockheed Martin, USA
- Lufthansa, Germany
- DLR, Germany
- Eurocontrol, Belgium
- EADS, Germany
- DEA, USA
- FBI, USA
- BKA, Germany
- Federal Police, Germany
- Ministry of Defense, Netherlands

### Research/Development, Science and Universities

- MIT - Physics Department, USA
- California State University, USA
- Indonesien Institute of Science, Indonesia
- Los Alamos National Laboratory, USA
- University of Bahrain, Bahrain
- University of Florida, USA
- University of Victoria, Canada
- University of Newcastle, United Kingdom
- University of Durham, United Kingdom
- University Strasbourg, France
- University of Sydney, Australia
- University of Athen, Greece
- University of Munich, Germany
- Technical University of Hamburg, Germany
- Max-Planck Inst. for Radio Astronomy, Germany
- Max-Planck-Inst. for Nuclear Physics, Germany
- Research Centre Karlsruhe, Germany

### Industry

- APPLE, USA
- IBM, Switzerland
- Intel, Germany
- Shell Oil Company, USA
- ATI, USA
- Microsoft, USA
- Motorola, Brazil
- Audi, Germany
- BMW, Germany
- Daimler, Germany
- Volkswagen, Germany
- BASF, Germany
- Siemens AG, Germany
- Rohde & Schwarz, Germany
- Infineon, Austria
- Philips, Germany
- ThyssenKrupp, Germany
- EnBW, Germany
- CNN, USA
- Duracell, USA
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett Packard, Germany
- Robert Bosch, Germany
- Mercedes Benz, Austria
- Osram, Germany
- DEKRA, Germany
- AMD, Germany
- Keysight, China
- Infineon Technologies, Germany
- Philips Semiconductors, Germany
- Hyundai Europe, Germany
- VIAVI, Korea
- Wilkinson Sword, Germany
- IBM Deutschland, Germany
- Nokia-Siemens Networks, Germany

  
**MADE IN GERMANY**

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