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 14 Bands

Highlights

✔ Extremely high jamming range of up to 8km
✔ Covers up to 14 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 bands with 3 antennas (2 directional, 1 omni-directional) or
✔ 14 bands in 6 antennas (4 directional, 2 omni-directional)

✔ Directional antenna specifications (one antenna covers 90°):

    2,4GHz - 2,5GHz / 20W

    1570MHz - 1620MHz (GPS L1 + GLONASS L1) / 40W

    5,7GHz - 5,9GHz / 20W

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

✔ Omni-directional antenna specifications (360° per antenna):

    433MHz (Remote Control) / 50W

✔ Operating Temperature: -20°C to +60°C
✔ Color: Gray (default), optional Aaronia black/blue or other RAL colors

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

AARTOS Drone Detection Versions

X3 (Manpack - Available Soon)

Designed to be used as a concealed and portable drone and jammer detection device, the setup is lightweight and comfortable for the carrier and 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 Sience, Indonesia
- Los Alamos National Labratory, 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