

Aaronia AARTOS Counter-Measure Solutions

Portable UAV-Jammer

Backpack Jamming System with 120W Output Power and up to 2,5km Range



Up to 120W Output Power

High Range of up to 2,5km

Covers 5 Frequency Bands

Highlights

- ✓ Jamming range up to 2,5km
- ✓ 5 Frequency Bands
- ✓ Total output power of 120W
- ✓ Covers most of all commercially available drone models
- ✓ Battery run-time up to 1,5 hours
- ✓ Incl. directional and omnidirectional antenna
- ✓ Operating temperature range: -20°C to +60°C
- ✓ Made in Germany

Technical Information

- ✓ Covered Frequency Bands:
 - 4 Bands in one directional antenna
 - 2.4GHz 20W with directional antenna (Horizontal Polarization)
 - 2.4GHz 20W with directional antenna (Vertical Polarization)
 - 5.8GHz 20W with directional antenna (Horizontal Polarization)
 - GPS L1 35W with directional antenna
 - 1 Band in one omni-directional antenna
 - 433Mhz 25W with omni-directional antenna
- ✓ TOTAL OUTPUT: 120W
- ✓ Adjustable Output Power for each frequency band
- ✓ 100% Safe VSWR over protection (Isolator) for each module
- ✓ Battery +24V / 20AH LiFePO4 can support 1-1,5 hours of continuous operation
- ✓ Can be operated while battery is charging
- ✓ Dimensions: 390 x 340 x 130 mm (H x W x D)
- ✓ Weight: 14 kg (main unit)
- ✓ Operating temperature: -20°C to +60°C
- ✓ Included in delivery: 1x Portable Jammer with integred battery, 1x AC 110 or 220V DC power supply, 1x omni-directional Antenna for 433Mhz, 1x four bands directional Antenna



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 **6km**) 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 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



AP-FLYER Sp. z o.o., ul. Trakt Lubelski 336, 04-667 Warszawa
tel.: +48 22 613 04 87 Fax: +48 22 613 06 12
e-mail: info@ap-flyer.pl URL: www.ap-flyer.pl