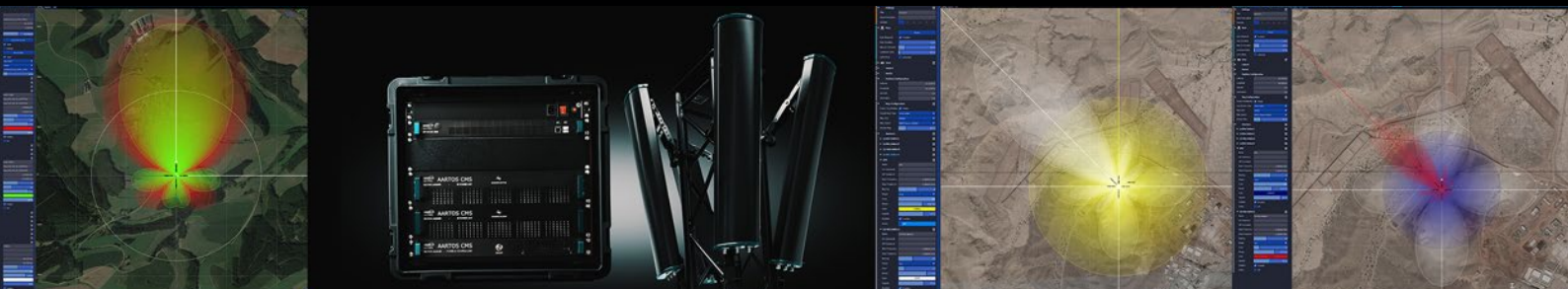


SECTOR UAV JAMMER

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



- ✓ Up to 1300 W output power
- ✓ Range of up to 8 km
- ✓ Ultra-Sharp Signal Purity
- ✓ Largest RF-range amongst all commercial models
- ✓ 180° or 360° models available
- ✓ Directional/Omnidirectional antennas included

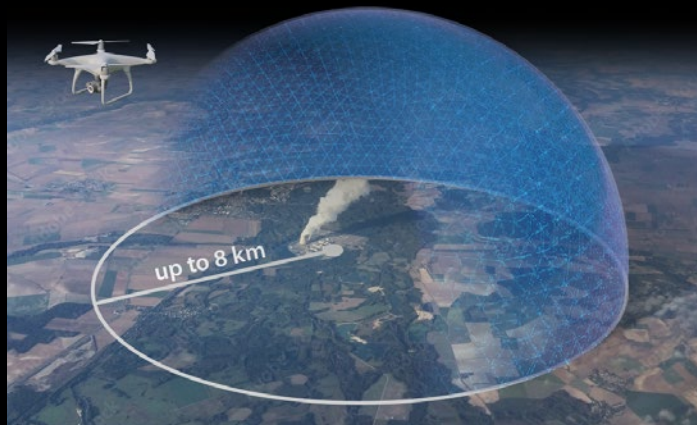


Detecting and Eliminating

The AARTOS™ Drone Detection System

AARTOS™ DDS is, at its foundation, a Drone Detection System. A system built to identify and monitor drones that present potential threats while operating at military grade capabilities. In addition to this already one-of-a-kind functionality, the system can also be outfitted to support countermeasure capabilities with the addition of Aaronia's Programmable Sector Jammer.

By extending the AARTOS™ DDS to include this jammer, it creates a system that can reliably and quickly locate and neutralize threats. A system this reliable is unheard of and truly makes it one-of-a-kind.



Safe and Focused

As with all of our jammers, the interference created is extremely selective, in order to make sure other RF channels are not impaired. In addition, the jammer is directional, and will only jam signals in the direction of the incoming UAV.

This prevents any complications in accidentally creating unwanted internal or external interference. Built-in precautions like these are vital when deploying a jammer, especially in situations where interference could cause disastrous consequences (i.e. airports, military, law enforcement).

A Jammer by Definition

A jammer is a device, by definition, that sends out signals in order to interfere with and eventually block a receiver from getting transmitted signals from its source. In most drones and other UAVs, the aircraft is controlled by an operator with a remote controller. The controller transmits the input from the user to the aircraft, giving the user control.

However, if this signal is interrupted, the drone will enter an emergency mode that will either begin a landing maneuver or return to its point of origin. Interrupting this signal and activating this mode is exactly what Aaronia's jammers are built to accomplish.



Specifications

of the Sector UAV Jammer

- ✓ Jamming range of up to **8km**
- ✓ Ultra-sharp signal purity
- ✓ Up to **1300W output** power
- ✓ Covers the **largest frequency range** amongst all commercial models
- ✓ Corner jammer (180°) or omni-jammer (360°) models to choose from
- ✓ Directional/omnidirectional antennas included
- ✓ Operating temperature: -20° C to +60° C
- ✓ **Made in Germany**

Technical Informations

- ✓ **7-8 bands with 3-4 antennas** (2 directional, 1 omnidirectional / more on demand) or **14-16 bands in 6-8 antennas** (4 directional, 2 omnidirectional / more on demand)

- ✓ **Directional antenna** specifications (one antenna covers 90°, 4 each included):

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 (other RAL colors also available)

AARTOS™ CMS Jammer

Version comparison

Mobile Handheld Jammer



Directional antenna,
covers a total of 4 bands,
40 W (up to 2 km range)

Fixed Bands Jammer (180°/360°)



2/4 sectors with 2/4 antennas,
covers up to 15 bands,
180 W/320 W (up to 3 km range) or
650 W/1300 W (up to 8 km range)

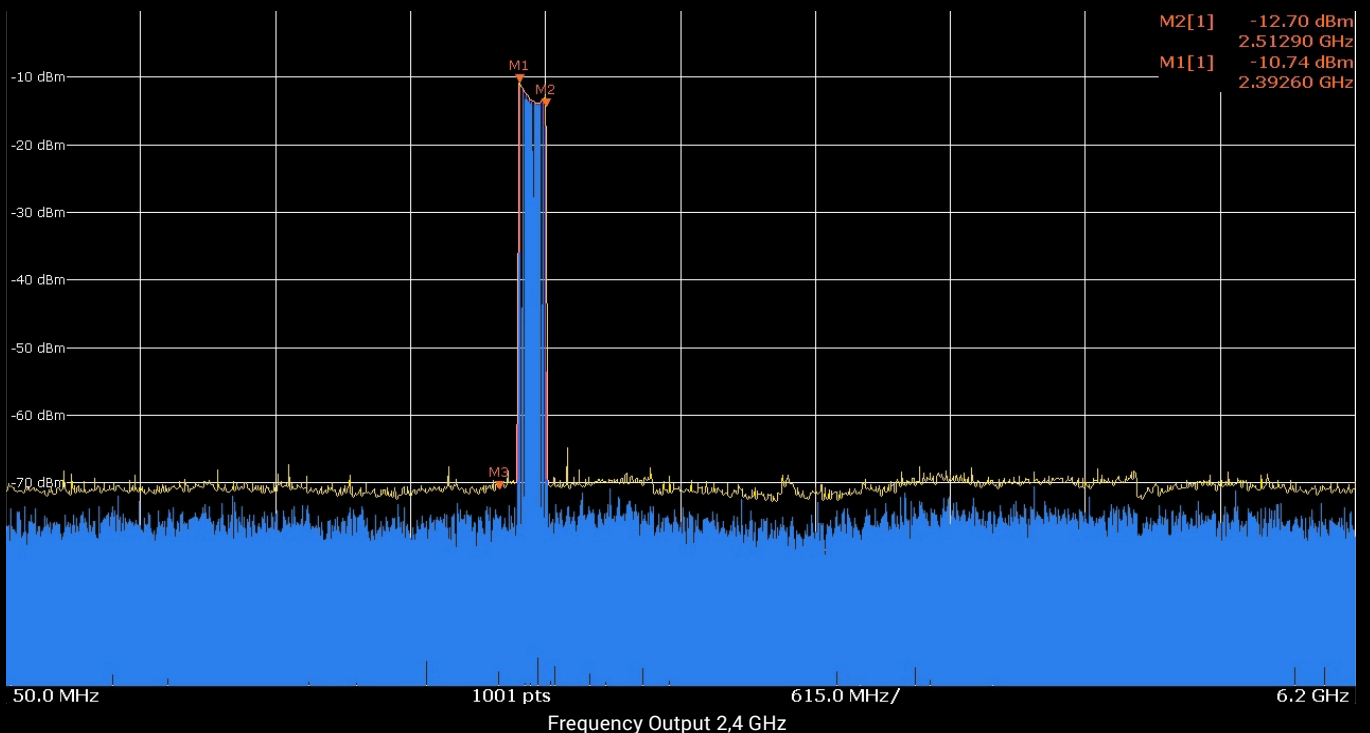
Programmable Sector Jammer



8 sectors with 8 antennas,
covers all bands up to 6 GHz,
240 W (up to 4 km range) or
800 W (up to 10 km range)

Jammer disclaimer

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



AARTOS™ Drone Detection

Version comparison



AARTOS™ X2

Portable solution, omnidirectional, typical range: ~ 1 - 5 km

The portable and quick-to-use AARTOS™ X2 is a decoding system that exactly shows the position of DJI drones and drone pilots and even their home position. Alternatively, it is also available as a purely stationary system with a range of up to 30km.



AARTOS™ X5

Portable solution, typical range: ~ 1 - 2 km

The AARTOS™ DDS X5 base system consists of one analyzer (V6 MIL) and one IsoLOG 3D® DF antenna array with 8 sectors. It is a highly cost-effective solution that can be used to cover medium sized areas.



AARTOS™ X7

Portable and stationary solution, scalable, typical range: ~ 2 - 5 km

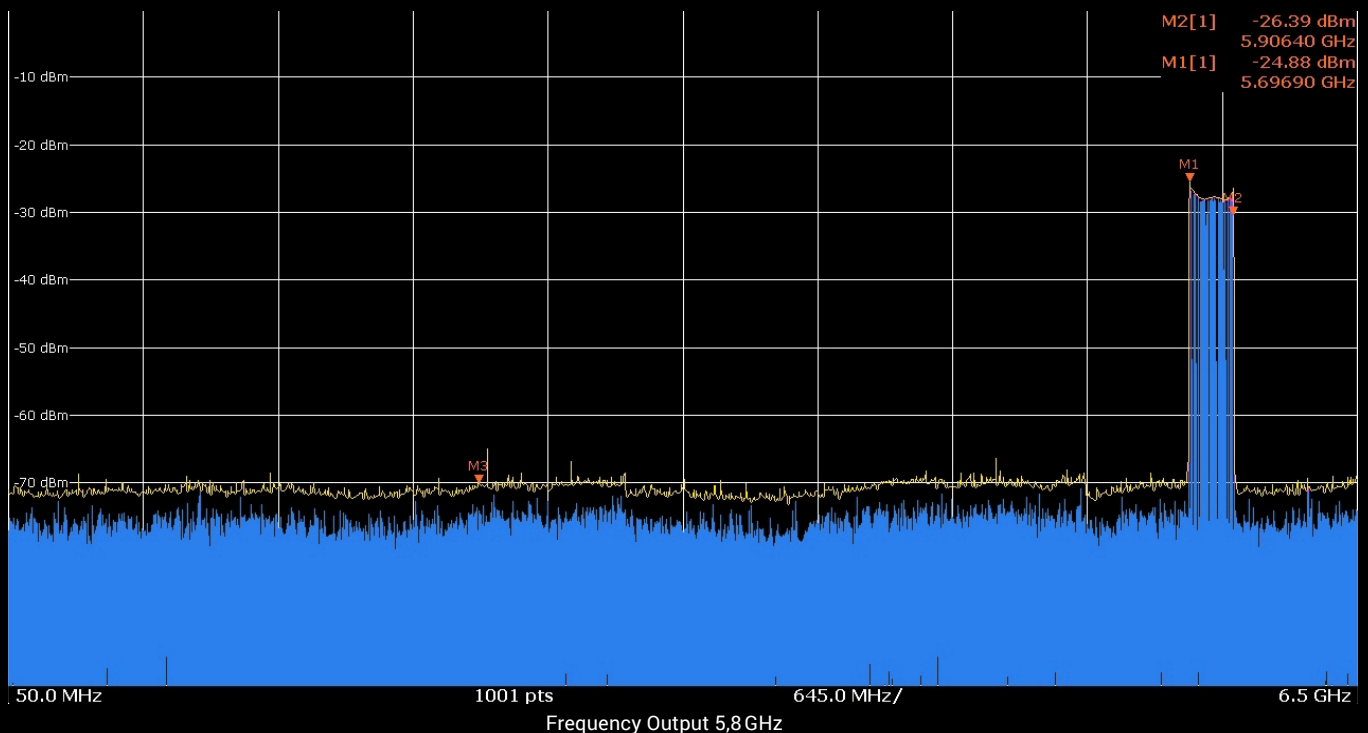
The highest-precision drone detection combined with an extremely large detection range. The AARTOS™ DDS X7 consists of a 16 sector IsoLOG® 3D DF antenna array and a spectrum analyzer (V6 Command Center or 19" rack). Perfect for both single-system and multi-grid system setups.



AARTOS™ X9

Portable and stationary solution, scalable, typical range: ~ 5 - 14 km

The X9 combines highest precision and ultra-wideband monitoring for instant, real-time detection over multiple bands. The system consists of an IsoLOG® 3D DF antenna array with 16 sectors and the Command Center or 19" rack, perfect for ultra-high-range drone detection grids.



HUNDREDS OF INSTALLATIONS WORLDWIDE



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

REFERENCES

AARTOSTM DDS

