

DEVELOPMENT

# ANTI-DRONE JAMMER

Anti-drone jammer is designed to disrupt the remote control of an unmanned aerial vehicle (UAV) drone or its global navigation satellite system (GNSS) signal. In this way the flights of unauthorized drones are neutralized by jamming their communication signals and/or GNSS.

This jammer is primarily intended to protect military bases, facilities, high value assets, ceremony/meeting areas and public events, checkpoints and VIPs against drone attacks. Generally drone threats comprise off terrorist attacks, illegal surveillance and reconnaissance, smuggling, electronic snooping, and mid-air collisions.

In modern UASs (Unmanned Aircraft Systems) the applied frequencies for these functions are 433 MHz, 868 MHz, 915 MHz, 1.2 GHz, 2.4 GHz, 3.5 GHz, 5.8 GHz for video and telemetry links, as well as 1176 MHz, 1227 MHz and 1.57-1.61 GHz for locating by GNSS systems.

## BASIC TECHNICAL DATA:

Range 1/Output RF Power:	400-470 MHz/50 W
Range 2/Output RF Power:	800-1227 MHz/40 W
Range 3/Output RF Power:	1164-1610 MHz/40 W
Range 4/Output RF Power:	2200-2500 MHz/20 W
Range 5/Output RF Power:	3400-3800 MHz/20 W
Range 6/Output RF Power:	4900-5900 MHz/20 W
Frequency range:	Wi-Fi (2.4 GHz/5.8 GHz) GNSS (1164-1300 MHz/1559-1610 MHz) GSM 900, UMTS 900, LTE 800 (800-1000 MHz) UHF (400-470 MHz), 5G(3400-3800 MHz)
Effective range:	up to 2 km
Signal type:	sweep/multisweep
Antenna gain/polarization:	5-7 dBi / circular
Antenna signal pattern:	60° degrees vertical/horizontal
Power supply:	24Vdc or 230 AC (both present, no setup required)
Control/Programming:	Ethernet (software GUI provided)
Environmental conditions:	Waterproof, -20°C to +60°C

