



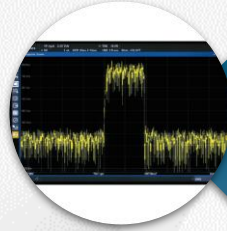
ILTER J250

**DRONE DETECTION AND
NEUTRALIZATION SYSTEM**





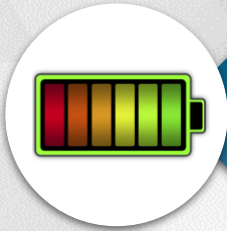
SYSTEM COMPONENTS



Detection
RF Detection System



Jamming
GNSS
Spoofing



Power
Mains
Battery



TECHNICAL FEATURES

Antenna Type	Omni-directional
Mode of Operation	Automatic or manual
Remote Upgrade	It has remote update capability with its user-friendly interface
Installation	Less than 5 minutes with single operator.
Operational	IP66 certified, operating temperature between -32 °C and +55 °C.
Power	Mains 220 VAC
Battery	32 V LiFePO4



RF DETECTION FEATURES

- Detects UAVs with RF spectrum.
- Detects wireless communication between the drone and its remote control in the UHF, S and C frequency bands
- RF output power typical 250 W
- Detects 360° multiple drone attacks
- Detects up to 8 km horizontally and 40° - 60° vertically



JAMMING & SPOOFING FEATURES

- Jams multiple drone attacks in 360°.
- Jamming distance ratio at least 1:2, typical 1:5
- Spoofing in global positioning GNSS frequency bands in order to jam autonomous flights.

Type / Capability	Phased Array Pulse Doppler RADAR / Surveillance and Tracking
-------------------	--

Detection Range				
Micro UAS	Fixed Wing UAV	Mini UAS	Small UAS	Vehicle
5,5 km RCS 0,01 m2	10 km RCS 0,1 m2	10 km on RCS 0,5 m2	15-20 km on RCS 1 m2	15-20 km on RCS ≥ 2 m2



RADAR FEATURES

Coverage			
Azimuth		Elevation	
360°		-2 to 51°	
Accuracy			
Range	Azimuth	Elevation	Velocity
≤ 15 m (RMS)	≤ 1° (RMS)	≤ 1° (RMS)	≤ 0,8 m/s
Resolution			
Range	Azimuth	Elevation	
15 m	≤ 2° (RMS)	≤ 2° (RMS)	
Probability of Detection		80% (in low tracking speed)	
Track Capacity		300 tracks	
Update Rate		2 Sec (30 RPM) / 4 Sec (15 RPM)	
Antenna Technology		Slotted Waveguide Antenna	
Peak Power		≤ 300 watt	
Operating Frequency		X Band	
Type of Beam / Rotation Rate		Multiple Pencil Beams / 1-30 Rpm	