

**RYDEROO DRONE
JAMMER :
RD4B400W-LR
SECUDOME
DIRECTIONAL
DRONE JAMMER**

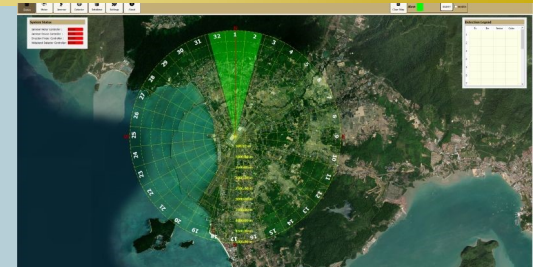
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Ryderoo Ltd.

A pioneer in Radio Frequency Machine Learning (RFML), Ryderoo uses RFML to enable signal detection, estimation, and classification. RFML-based systems outperform conventional signal-processing methods in signal detection and classification. Ryderoo develops innovative products using RFML such as drone detectors, mobile phone(4G,5G) detectors, and systems for RF fingerprinting & spectrum anomaly detection.





RD4B400W

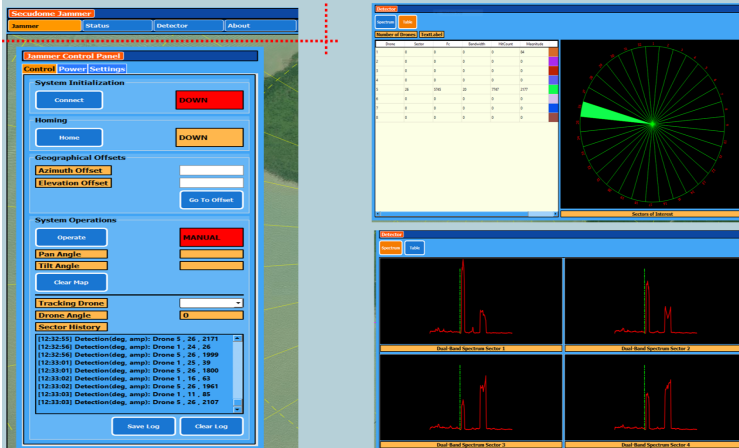
RD4B400W-LR offers TOTAL PROTECTION against intruding drones by JAMMING the communication links and GPS of the drone. This system uses extremely powerful Radio Frequency Amplifiers to bring down the rogue drones at a distance of 5000m or more.

- One of the most powerful drone jammers in the global market
- More than 5 Km GNSS jamming and Communication

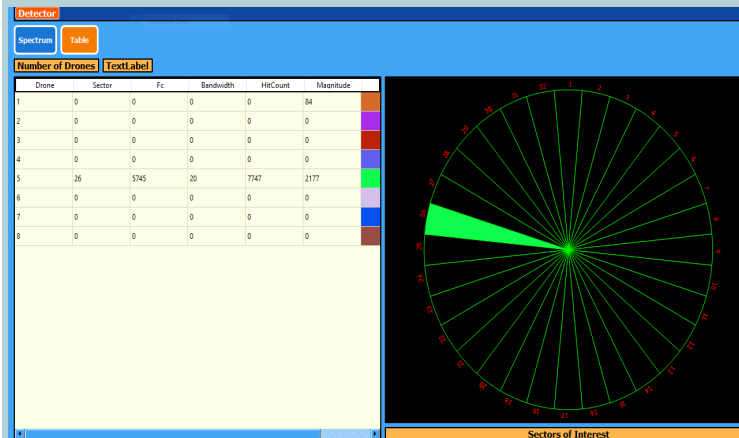
Features

- Total Protection against intrusion of Drones.
- Total Jamming of All Global GNSS frequency bands at 1200 MHz & 1500 MHz band
- Total Jamming of GPS-L1, GPS-L2, Glonass, Galileo, Beidou etc.
- Total Jamming of Communication & Control link at ISM 2400 & ISM 5800 Bands
- Optional Add-on for 433 MHz and 915 MHz jamming
- Extremely long range directional jammer
- High performance Power Amplifiers & High Gain Antennas
- Can be configured as OMNI jammer by replacing antennas
- IP based system which can be controlled remotely
- Rugged, IP 65 protection for outdoor operation
- Customization for frequency band and power level are available
- Customization for antenna gain and beamwidth are available

Jammer Control GUI Information Display



Jammer Control GUI Jammer Operation



- Map overlay
- Drop down menu for sensors
- Display Radar tracking
- Display RF detector tracking
- Display IP camera tracking
- Display data fusion tracking
- Display RF signal
- Drone Data recording
- API for easy integration
- Interface Control Document
- Complete Command & Control

- Joy Stick / Auto positioning
- Auto/Manual jamming
- Alarm during jamming
- Can operate remotely
- GPS Jamming
- Comm Jamming
- All band, GPS + Comm Jamming
- Temperature monitoring

Technical Specifications

Parameter	Specifications
GNSS Jamming Frequency Bands (Blocks Navigation)	<ul style="list-style-type: none"> • GPS L1 band: 1544 MHz- 1610 MHz (GPS L1, Glonass E1, Galileo G1) • GPS L2 band: 1164 MHz– 1300 MHz (GPS L2, GPS L5, Galileo E5& E6, Glonass G2&G3 Beidou (China), Navic (India)
Communication Jamming Frequency Bands (Blocks control and video links)	2400 MHz– 2500MHz (ISM 2400 MHz band) 5725 MHz– 5875 MHz (ISM 5800 MHz band) <ul style="list-style-type: none"> • Optional add-on: : 433.05 MHz– 434.79 MHz (ISM 433 MHz band) • Optional add-on: 902 MHz– 928 MHz (ISM 915 MHz band)
RF Transmission Power	100 Watts / Channel Total 400 Watts RF power
Antennas	<ul style="list-style-type: none"> • High Gain LPDAs for GPS L1 band & L2 band • High Gain sectoral antennas for Communication bands
Effective Range	<ul style="list-style-type: none"> • GPS Jamming : 5000m or more • Comm. Jamming: 5000m or more (Controller to drone distance to be same or less than the jammer to drone)
3D Antenna Positioner	360° Azimuth rotation 70° Elevation rotation
Network Interface	RJ 45; IP based interface with fixed IP number for the jammer
Casing and Environmental	Rain & Dust proof, IP65 casing Temperature : -00°C to 65°C
Warranty & Technical sup-	• 2 years comprehensive warranty
Training	<ul style="list-style-type: none"> • 3 days training for installation and operation • 2 days training for operation and maintenance