

JAMPRO 5B250W: Wideband IED Jammer

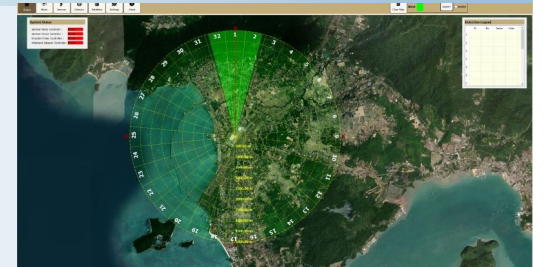
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Ryderoo Ltd.

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.





JAMPRO 5B250W

JAMPRO 5B250W offers TOTAL PROTECTION against Improvised Explosive Devices (IED) which are detonated remotely using mobile phones and Walkie Talkie.

This advanced jamming system uses Barrage Jamming technique to block all types of communication within the band from 400 MHz to 6000 MHz.

Features

- TOTAL JAMMING of communications within 400 MHz – 6000 MHz
 - Dedicated jamming of 900MHz, 1800 MHz, 2100MHz and 2600MHz.
 - Completely blocks 2G, 3G, 4G(LTE), 5G (sub 6.0 GHz), WiMAX, Wi-Fi and Walkie-Talkie communication.
 - RF output of 50W / band offers excellent coverage of 40 to 80 m radius
 - Directional antenna for extended coverage
 - Power supply : 24 VDC or 240 VAC
 - Magnetic mounts for easy vehicular installation
 - Weight : Less than 30 Kg
 - Rugged, IP 65 protection for outdoor operation
 - Customization for frequency band and power level are available.
- Customization for antenna gain and beamwidth are available

Technical Specifications

Parameter	Specifications
Frequency Bands	<ul style="list-style-type: none"> 5 band Jammer: Covers all bands cellular bands used for 2G,3G, 4G & 5G
Transmitted Power	<ul style="list-style-type: none"> Total 250 Watt, 5 bands, 50 W/band
Signal Type	<ul style="list-style-type: none"> Wideband Barrage Jamming Signal
Antennas	<ul style="list-style-type: none"> 5 Dipole Antennas: Omni directional with gain of 2.5 dBi or above Power carrying capacity of 100 W/antenna VSWR < 2.5 : 1 for all five antennas Length less than 75cm Rugged, rain& dust proof antenna casing
Power Supply	<ul style="list-style-type: none"> 24V DC supply from vehicle Current 42 A for 5 channel
Installation	<ul style="list-style-type: none"> Vehicle installation kit with: Magnetic mounting for antenna Low loss RF cable from jammer to antenna Wired remote control for single band/all bands operation

Technical Specifications

Parameter	Specifications
Casing and Environmental	<ul style="list-style-type: none"> Rugged Aluminium Casing with external heatsinks Temperature : -20°C to 80°C Humidity : Up to 95% RH Protection : IP65 rating (protection from rain and dust) Shock : MIL-STD-810 Method 516 (Transportation shock) Vibration : MIL-STD-810 Category 20 (Ground mobile)
Dimension and Weight	<ul style="list-style-type: none"> Dimension : 42 x 30 x 18 cm with heat sink (may change) Weight : 24 kg
Casing	<ul style="list-style-type: none"> Full body aluminium machined casing for effective heat dissipation 2 large heatsinks on both sides for fast heat dissipation
RF Cables	<ul style="list-style-type: none"> Low loss RF cable with loss less than 1 dB/meter Power carrying capacity of 100Watts Weather proof cable protection for outdoor operation 6 units of cables, each 9ft long
Deliverables	<ul style="list-style-type: none"> JAMPRO 5B250W jammer with remote controller 6 Antennas and magnetic mounts 6 pieces of Low loss RF cables for vehicle installation 2 years standard warranty
Documentation and Training	<ul style="list-style-type: none"> Product Manual, Operation Manual, Maintenance Manual 3 days training for installation and operation 2 days training for operation and maintenance