



VPJ-2

Vehicle Protection Jammer

- High quality jamming equipment for vehicle protection
- Blocking up to three frequency bands simultaneously:
100 - 200 MHz, 200 - 400 MHz, 400 - 800 MHz
- Various applications
- Compact and modular design



VPJ-2 Vehicle Protection Jammer

Description

VPJ-2 is a high quality jamming equipment for protection against RCIED and unauthorized use of cellular communication devices. The VPJ-2 unit is intended for blocking all type of communication within designated vehicle. Its unique design combines effective jamming and strict compliance with international standards of safety and electromagnetic compatibility.

VPJ-2 is a 'plug and play' unit, its installation is quick and its operation is easy. Once the VPJ-2 jammer is operating, all communication receivers present within the jamming coverage area are blocked, and communication activities in the immediate surroundings are jammed.

Basic features

- Fully digitized jamming signal synthesis
- Effective jamming in a radius between 5-50 meters (depending on signal strength at site) of vehicle surroundings
- Can block up to three frequency bands simultaneously and independently
- Remote controlled (optional)
- Can be operated via 12/24 Vdc power source

Applications

- Prevention of eavesdropping and information transfer from/to the vehicle
- Prevent activation of RCIEDs on or near the vehicle

Users

- Government agencies
- Military forces
- Police Special Forces
- VIP protection agencies

TECHNICAL DATA

Frequency ranges:	
BL1	100 - 200 MHz
BL2	200 - 400 MHz
BL3	400 - 800 MHz
Synthesizer type	digital
Jamming signal type	fast CW sweep signal, chirp (sweep time as low as 20 usec)
Output power	0 - 32 dBm for all bands independently
Antenna system	four PCB antennas or four omnidirectional antennas (option)
Frequency ranges:	
ANTENNA1	100 - 200 MHz
ANTENNA2	200 - 400 MHz
ANTENNA3	400 - 800 MHz
Impedance	50 Ω unbalanced
Radiation (H-plane), beamwidth at -3 dB	70° at 920; 60° at 1920 MHz
Radiation (E-plane), beamwidth at -3 dB	70° at 920; 60° at 1920 MHz
Polarization	linear vertical
Gain	5 dBi
S.W.R. in bandwidth	≤ 3.0:1 from 100 to 200 MHz ≤ 2.0:1 from 200 to 400 MHz ≤ 1.8:1 from 400 to 800 MHz
Max. power	0.5 Watt (CW) per band at 50° C
Connector	SMA-female
Dimensions	
ANTENNA1	148.3 x 127 x 45 mm
ANTENNA2	148.3 x 127 x 30 mm
ANTENNA3	120.5 x 75.5 x 20 mm
JAMMER UNIT	300 x 265 x 80 mm
Power supply	12 Vdc/24 Vdc
Consumption	40 VA
Operated temperature range	-20°C to + 60°C