



EXP-SRFJ300

STATIONARY RADIO FREQUENCY JAMMING

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The EXP-SRFJ300 is designed for blocking remote controlled improvised explosive devices (RCIEDs) used by terrorist.

Deliverables

Jammer module	x 1
	(or several)
Antenna	x 1
	(or several)
Battery	x 1
Power Supply	x 1
Remote Control (optional)	x 1
User Manual	x 1

Application:
Bomb/RF Jamming System

Having considered the variety of jamming targets and the wide range of uncertainties, the more advanced and effective jamming signal modulation method is adopted, which significantly increases the jamming efficiency in each band, for the purpose of providing security protection and ensuring the safety of VIPs.

By adopting the unique Smart Power technology, the wideband frequency coverage range of the system can be from 20 to 2700MHz (up to 6GHz based on requirements) and its total response time is less than 200 μ s. Besides, automatic self-protection mechanism effectively supports stable operation and long service life by preventing the system from overheating and over-current.

Main Features:

- Wideband frequency coverage range from 20 to 2700MHz
- High sensitive threat signal detect low to -90dBm
- High efficiency power amplifier technology
- Total response time is less than 200 μ s
- High spectral power density up to 30W/MHz for extended jamming radius (depending on maximum output power module choose, it can be up to 100W/MHz)
- Unique Smart Power technology for advanced reactive jamming and power saving
- Support in barrage jamming mode if needed
- Slow start up design of circuit to make the device work stably
- Easy operations using a wired connection to the control panel for system monitoring
- Automatic System Self Protection to prevent from overheating and over current protection
- High input Voltage and low Voltage protection, VSWR protection
- Shock absorber design to protect the device from damaging caused by high speed driving

Stationary Radio Frequency Jamming System

RF frequency band	20~2700MHz (9 Bands)
Output power	Total PF power: 180W
Jamming signal bandwidth	Minimum: 30kHz(Barrage mode)/1MHz (Reactive mode)
Jamming signal type	Broadband white noise/CW/FM/AM
Detect signal sensitive	Minimum: -90dBm
Signal source	DDS (Direct Digital Synthesizer)
Reactive response time	20-200 μ s
Spectral power density	30W/MHz(depending on working band)
Jamming range	10~100meter (*Max 1km) (depending on transmitter frequency and scenario)
Power supply	220VAC
Power consumption	500W
Remote control	Wire control panel or remote monitoring software (optional)
Dimensions	390x 390 x250mm
Weight	Approx. 20kg