



VYOM GUARD

MAN PORTABLE STATIC DRONE JAMMER

PORTABLE COUNTER-UAS TACTICAL PROTECTION SYSTEM



DETECT
Identify hostile drones



DENY
Disrupt control, GNSS & video links



DEFEND
Protect assets & save lives

VYOM GUARD is a man-portable, static counter-UAS system designed to detect, identify and neutralize hostile drones. It delivers continuous multi-band jamming to disrupt control links, telemetry, video transmission and GNSS navigation, forcing drones to return-to-home, auto-land or lose control.



JAMMING RANGE UP TO **2 KM** (LOS)

- MULTI-BAND JAMMING
- WIDE RANGE PROTECTION
- RUGGED & RELIABLE
- EASY SETUP & OPERATION



RANGE UP TO 2 KM (LOS)



4+ CHANNEL SIMULTANEOUS JAMMING



OMNI & DIRECTIONAL JAMMING AUTO SELECT



GNSS JAMMER / SPOOFER MULTI CONSTELLATION

KEY FEATURES

- Passive RF Detection (400 MHz – 6 GHz) with DF capability
- 4+ Channel Simultaneous Wideband Jamming
- Directional & Omni-Directional Jamming Antennas
- 2 – 3 KM Operational Range (Line of Sight)
- Jams Control Links, Telemetry, Video & GNSS
- Rugged, Portable & Easy to Deploy
- All Weather Operation (-20°C to +55°C)
- MIL-STD 810H Compliant
- Operable by One Person
- Setup Time ≤ 10 Minutes

JAMMING CAPABILITIES

- Automatic band selection (Omni / Directional)
- Sweep jamming with programmable sweep rate (2µsec – 1msec)
- High Power & Long Range Protection
- Real-time monitoring & diagnostics
- Force Return-to-Home / Auto-Land / Loss of Control
- GNSS Jammer / Spoofers – Multi-Constellation (GPS, GLONASS, Galileo, BeiDou)

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Detection Range	≥ 2 KM (Passive RF)
Jamming Range (LOS)	2 – 3 KM (Directional) 1+ KM (Omni-directional)
Operating Frequency (Jammer)	400 MHz – 6 GHz & above
Mandatory Jamming Bands	<ul style="list-style-type: none"> 433 MHz 862 – 925 MHz 1160 – 1280 MHz (GNSS L2) 1560 – 1820 MHz (GNSS L1) 2400 – 2500 MHz (2.4 GHz) 5150 – 5250 MHz (5.x GHz) 5700 – 5900 MHz (5.x GHz)
GNSS Jamming (Spoofers)	GPS (L1, L2, L5), GLONASS (L1, L2, L3), Galileo (E1, E5a, E5b, E6), BeiDou (B1, B2)
Antenna	Directional: High gain panel, Beamwidth ≤ 20° Omni-directional: 360° Azimuth
Azimuth Coverage	Directional: 360° Mechanically Steered Omni-directional: 360° Continuous
Concurrent Jamming	Minimum 4 bands simultaneously (Vendor to quote maximum)
Continuous Operation	≥ 60 Minutes (Mixed Mode)
Cooldown Time	Ready to operate within ≤ 10 min
Power Supply	DC 48V (Compatible) Battery / External
IP Rating	IP65
Operating Temperature	-20°C to +55°C
Cooling	In-built forced air cooling
System Weight (Approx.)	As per final configuration (Optimized for portability)
Crew	Installation: 2 Persons Operation: 1 Person

COMMAND & CONTROL CONSOLE



- Rugged MIL-STD 810H key-based console
- Minimum 10-inch display
- Preloaded with OS, software, Offline OSM maps & GIS
- Easy to operate GUI
- Data recording facility
- Display of current consumption of individual modules
- Display of transmitted power of individual modules
- Control of Transmitted Power in 1 dB Step
- Recording of current consumption, input voltage & fault prognostics
- Display of over current, VSWR, thermal faults
- Interface with Radar/EOIR, IFF & external systems
- Ethernet Connectivity | IP65

ACCESSORIES & SUPPORT

- RF & Power cables with IP67 connectors, min. 20 m
- Training Manual & User Handbook (Hard & Soft Copy)
- Supplementary training notes post upgradation
- Spare parts & tools kit
- Logistics & maintenance support

SYSTEM ARCHITECTURE



COMPLIANCE

- RPECEA FOR FORWARD POSTS
- AIRFIELDS & CRITICAL INFRASTRUCTURE
- PERIMETER & BORDER SECURITY
- EVENTS & PUBLIC SAFETY
- CONTROL ROOMS & INSTALLATIONS

