

NSR® TGEW system

Tactical Ground Electronic
Warfare system



SPECIFICATIONS	
RF Frequency Cover	Detection 20 Mhz – 7,5 GHz, Jamming 20 Mhz – 7,5 GHz Configurable jamming within specified frequency bands (up to 20 channels) can be adjusted upon request
Total Output Power	From 50 W to 100 W per channel (can be customised)
Modular Construction Design	YES, 14 modules (optional up to 20), not hot-swap
System Control	External control tablet, Threat-based task programming interface, other options
Jamming Module	14 channels (optional up to 20), GaN PA
Antenna Type	Omnidirectional, circular polarization
Antenna Number	15 (optional up to 21)
Housing	Aluminum, plastic, vibration-resistant
Power Supply	Autonomous 28V rechargeable battery
Military Standard design	MIL-STD-810, IP67
Smart Cooling System	Silent fanless cooling
System Protection	NO
Operating time	Up to 5 h in jamming mode, up to 120h in detection mode
Total power consumption	=1,4 kW (jamming mode)
Antenna roof platform	Tripod
Device Size	2 Ext. units (500mm*610mm*340mm)
Device Weight	110.4kg
Operating Temperature Range	-40°C to +60°C
Operating Humidity	Up to 95%
Standard Accessories:	Charger, switching cables, control tablet, cases, battery.
Jamming Source	GaN amplifiers
Detection Method	Passive detection using RSSI and signal classification
100% Supression range	80-250m
Function	Automated AI-based adaptive spectrum scan, detecting, frequency analyzing; AI-based adaptive multi-threat jamming
Additional Optional Equipment (Available upon request)	
Equipment	Tripod, Extra battery pack

- ▶ Simultaneous suppression of multiple signal types (RCIEDs, conventional radio, GNSS, Wi-Fi, UAV/drone control links)
- ▶ Extended effective range thanks to circularly polarized antennas
- ▶ Software-defined architecture for rapid adaptation to new and emerging threats
- ▶ Over 3 hours of autonomous operation at maximum power
- ▶ Silent fanless cooling – resistant to dust, humidity, and high temperatures
- ▶ Broad frequency coverage: omnidirectional antennas for swarm-drone defense + high-gain directional antennas for long-range detection and jamming
- ▶ Built-in spectrum scanner – real-time identification of enemy operating frequencies



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