

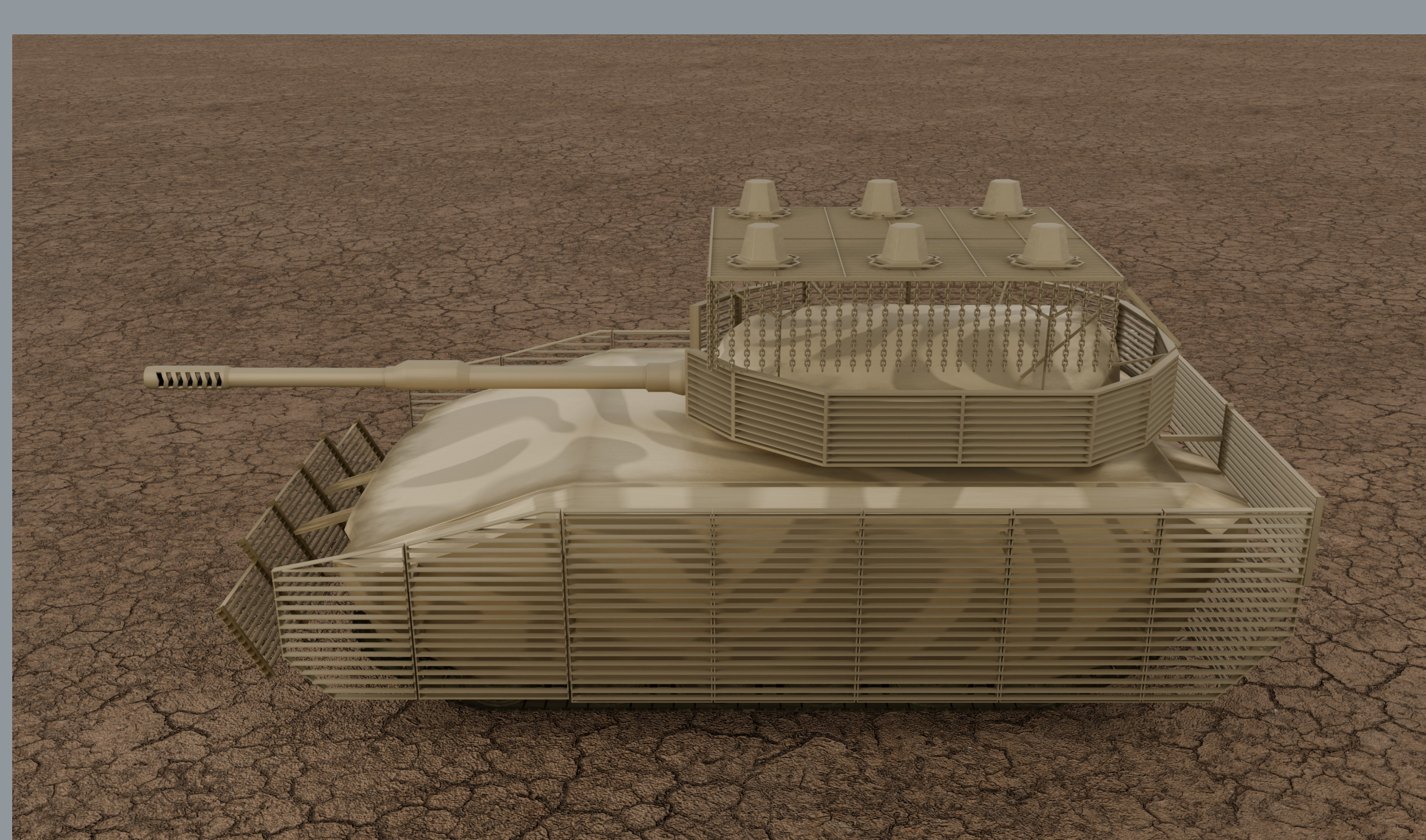
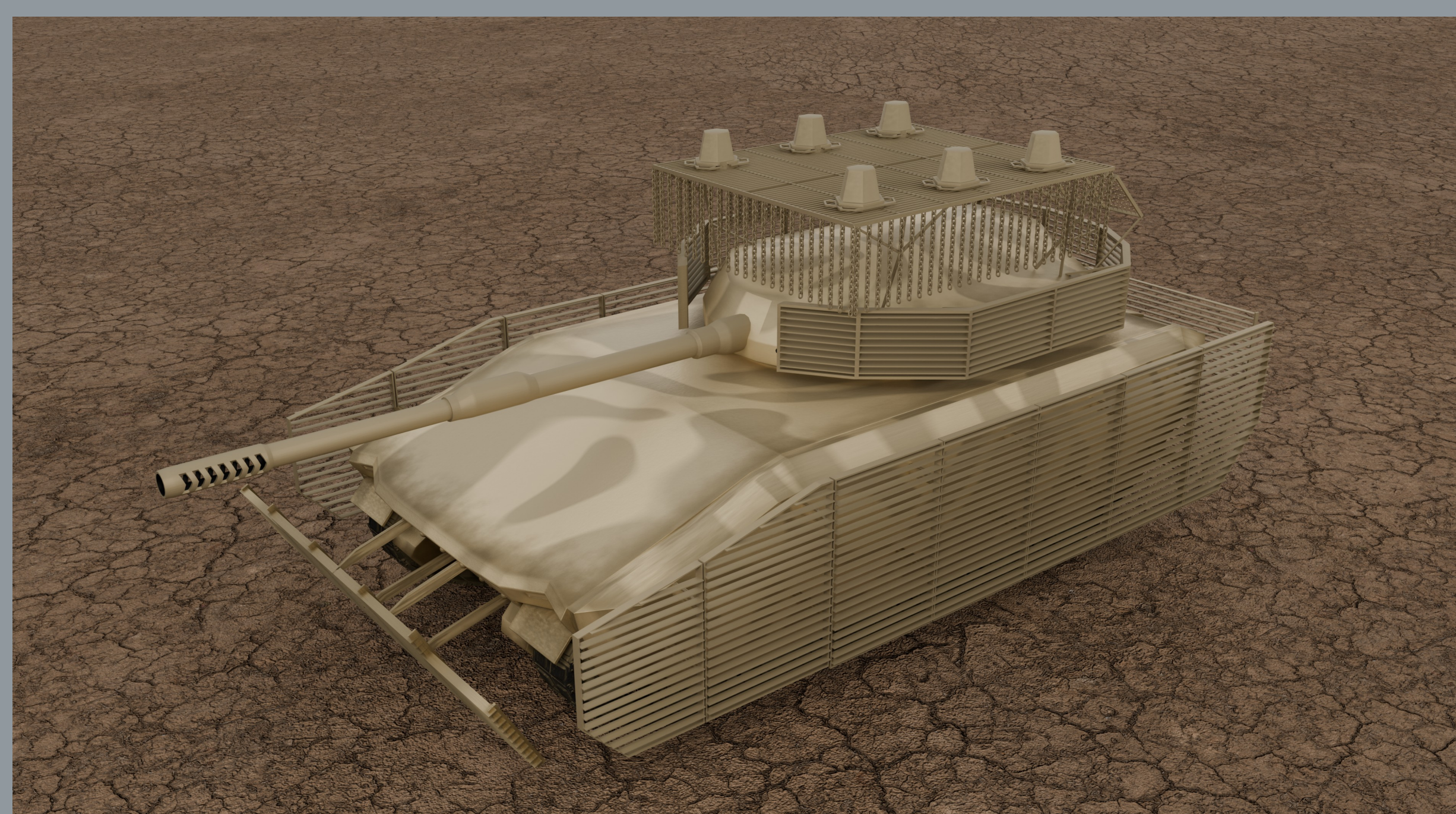
NSR ® TVEW system

Tactical Vehicle Electronic Warfare system

The NSR®TVEW (Tactical Vehicle Electronic Warfare) represents a state-of-the-art advancement in RF and digital signal synthesis technology, designed to provide unparalleled disruption of modern communication systems as well as telemetry, control, and Global Navigation Satellite System (GNSS) signals.

This advanced functionality is especially effective against new threats, including unmanned aerial systems (UAVs), drones, and various radio guided missiles. By leveraging broadband antennas, highly efficient electronic architectures, and sophisticated countermeasure algorithms, the system offers a formidable solution tailored for short-to-medium -range jamming operations.

One of its key features is the ability to simultaneously jam multiple signal types, making it effective against a wide spectrum of threats such as Remote Controlled Improvised Explosive Devices (RCIEDs), conventional radio communications, GNSS signals, WiFi, and drone command links. The NSR® TVEW employs advanced jamming algorithms that are not only capable of disrupting current threats but are also adaptable to counteract evolving signal technologies, thanks to its software-definable architecture.



Quick installation on a metal base is possible without additional efforts

It is capable of simultaneously suppressing several types of signals, such as RCIEDS, conventional radio communications, GNSS signals, Wi-Fi and UAV control channels

Increased range due to the use of circularly polarized antennas

Using advanced interference suppression algorithms

Universal fanless cooling system

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Recent conflicts in the world have highlighted the rapidly growing risk posed by new threats such as radio-controlled improvised explosive devices (RCIED) and unmanned aerial vehicles (UAVs). Personnel working in the field, including the armed forces, law enforcement agencies and other security units, are increasingly exposed to these sophisticated and evolving forms of attack. The NSR® TVEWsystem tactical vehicle electronic warfare device uses advanced interference suppression algorithms capable of simultaneously neutralizing signals from multiple targets. Its software-defined architecture facilitates the rapid integration of new signals with countermodulation, providing an adaptive response to the continuous development of threats. The system's state-of-the-art digital signal generator generates customized interference signals optimized to more effectively counter high-risk threats. With a long service life exceeding three hours at maximum interference suppression power, the NSR® TVEWsystem is designed for long-term tasks. The fanless cooling system of the device ensures silent operation even at high ambient temperatures and in harsh environmental conditions such as dust or humidity. The effective range of the NSR® TVEWsystem combined with high mobility make it particularly suitable for protecting tactical vehicles, for jamming personnel to timely prevent threats from attacking enemy UAVs. The device uses antennas to cover the widest frequency range to meet various operational requirements and threat scenarios. These are omnidirectional antennas designed to protect against swarming, as well as a high-gain antenna for detecting threats over long distances. In addition, the ether scanning device included in the equipment kit allows you to receive timely information about the frequency ranges used by the enemy for operation.

MAIN SPECIFICATIONS

Simultaneous jamming of multiple threats

Advanced jamming algorithms for protection against drone threats, including GNSS, 2.4 GHz and 5.8 GHz de
Fanless cooling for silent operation and high reliability in extreme environments

Frequencyrange	50 MHz-6 GHz
RF PowerOutput	Up to 1k W total RF power
SignalGenerationTechnology	Direct Digital Synthesiser
JammingModes	Software configurable via system control panel
Antenna	5 x omni-directional circularly polarized antennas☒
Mountig type	Magnet
Programming/Data Interface	LAN/RS422
Power Supply	12-24 V
Temperature range (Operating)	-20°C to +60°C
Environmental qualificatio	MIL-STD-810-F, P67 rated
Weight	45 kg

FEATURES

- Simultaneous jamming of multiple threats
- Advanced jamming algorithms for protection against all known drone threats, including GNSS
- Fanless cooling for silent operation and high reliability in extreme environment
- Ongoing search and monitoring of possible threats
- Can be programmed and controlled via its own remote control
- Possible to set the required frequency range within a minute
- User-friendly and simple threat-based mission programming interface
- Monitoring and protection against VSWR of the active antenna

CONFIGURATIONS

