

COUNTER-sUAS TECHNOLOGY

Detect, Defeat, and Defend

Ninja is an affordable C-sUAS family of products that detects, disrupts, and defeats hostile unmanned aircraft. Ninja uses an open architecture that is software upgradeable to keep pace with emerging sUAS threats.

Operating Principles

The Radio Frequency Front End (RFFE) is essential for optimized detection and mitigation at longer ranges. The modular Ninja 4925 RFFE is a drop-in replacement for the legacy Nina hardware front end that has been discontinued due to parts obsolescence. The new RFFE features fully integrated support for all Ninja RF signal bands in one package and enables easy integration into existing installations while increasing supply-chain availability. It increases peak transmit power for more effective countermeasures and now supports RF band agile configuration for swarms and mass attack mitigation.

Features

- Packages three line replaceable units (LRUs) (Legacy RFFE + 900 Transmit WART + 2.4/5.8 HPA) into one LRU at 2x cost reduction
- RFFE units configured as either a retrofit kit or new spare
- Supports future GNSS mitigation
- Ethernet link to the Gen2 system for more control
- Supports built-in-test and remote health/wellness checks from the operator's seat
- Externally accessible main fuse for easy maintenance
- Assembled in the US with TAA Compliant Supply Chain
- 1-year warranty included

Contact us to learn more:

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Implementation Partners:

Hardware assembled and tested in the US
Certified Field Service Representatives from OWT Global

NINJA
4925 RFFE

Jointly developed with the US Air Force



NINJA 4925 RFFE SPECIFICATIONS

Size	11.82"x9.42"x6.61" (LxWxH)
Weight	16.3 lbs
Power Input	VDC: MIL-STD-1275: 28VDC @ 400 Watts VAC: 120/230 VAC, 50/60/400 Hz with provided power supply @ 430 Watts (120VAC)
Deployment	Pole mount
Replacement Time	2 hours with 2 personnel
RF Channels	4 Independent Transmit 4 Independent Receive
Frequency Range	70 MHz - 6 GHz
RF Band Coverage	433/915 MHz, 2.4/5.8 GHz
Detection Range	Site-specific (multiple km)
Defeat Range	Site-specific (several km)
Operating Temperature	-32 deg C to 55 deg C

Ninja is JCO Approved

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<https://bit.ly/ArmyCsUAS2020>

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