COUNTER-sUAS TECHNOLOGY
Detect, Defeat, and Defend

Ninja is JCO Approved
(US DoD Joint C-sUAS Office - Jun 2020*)

The affordable Ninja C-sUAS system is made in the US and detects, disrupts, and defeats hostile unmanned aircraft – without any indiscriminate interference to friendly systems caused by conventional sUAS jamming technologies. Ninja rapidly detects both the aircraft and the controller location enabling a variety of response options, while also enabling the whitelisting of friendly drones for uninhibited operations. Ninja is software upgradeable to keep pace with emerging sUAS threats.

Operating Principles

Ninja TRx is a low-cost, lightweight, range extension solution that can be added to a Gen2 deployment providing tailored coverage and additional swarm capabilities.
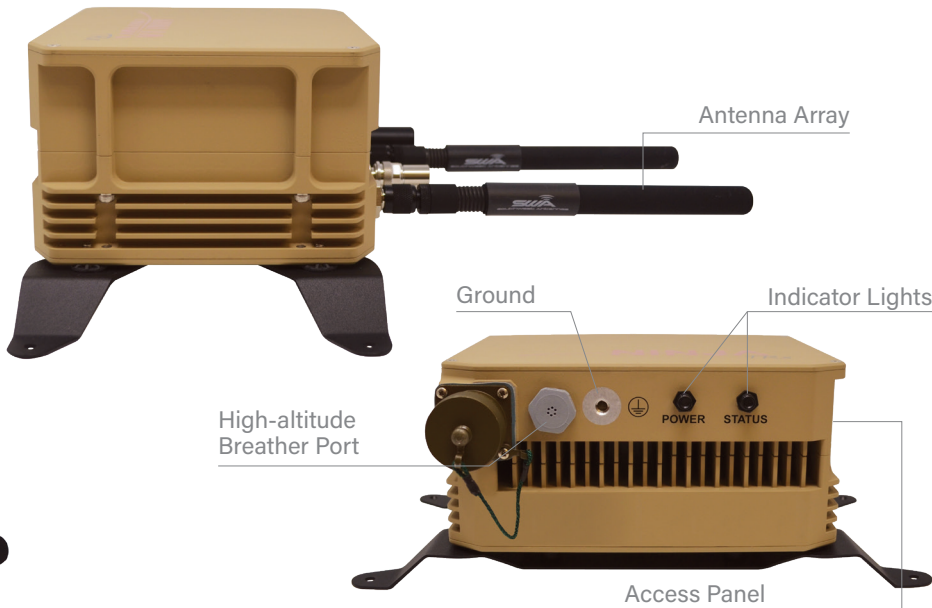
Ninja employs an array of industry-standard Software Defined Radios (SDRs) and a powerful embedded computing system to intercept and decipher sUAS communication signals ranging from 70 MHz to 6 GHz in real time. Ninja provides simultaneous detection and defeat for swarm mitigation. Once a Ninja defeat has been selected, it can hold Group 1 & 2 sUAS in place, force a soft landing, or re-route a compromised sUAS with the touch of a button. All Ninja systems provide full 360 deg protection, and the coverage area is scalable with the addition of other Ninja units.

Unit weight = 6.5 lbs

8.2"

5.3"

3.8"

NINJA *TRx*

*https://www.army.mil/article/236713/army_announces_selection_of_interim_c_suas_systems
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NINJA TRx DEVICE FEATURES

Antenna Array

Ground

Indicator Lights

High-altitude Breather Port

POWER STATUS

Access Panel

POE+ 1Gb Ethernet

Features

Ninja Gen2 is required for TRx deployments

- Effective against most UAS link types
- UAS detection range identical to Ninja Gen2 (defeat slightly reduced)
- Covers RF blind spots
- Enables simultaneous track updates during active Ninja mitigation
- Scalable swarm protection with the addition of TRx units
- Power and Status system indicators
- TAA Compliant Supply Chain
- 1-year warranty, training, and software upgrades included

Ninja TRx Expeditionary Kit

An expeditionary kit is also available for the Ninja TRx enabling quick setup/teardown and wireless operations. The kit includes an MPU5 radio kit for wireless connections, a light-weight mast, and hardened PoE injectors.

Contact us to learn more:

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NINJA TRx SPECIFICATIONS	
Size	8.2"x3.8"x5.3" (LxWxH) without antennas
Weight	6.5 lbs
Power Input	PoE+ (Power over Ethernet Plus, 802.3at Type 2)
Deployment	Ground mast, pole mount, or building mount
Deployment Time	10 min with one person
Coverage	360 deg
RF Channels	2
Frequency Range	70 MHz – 6 GHz
RF Band Coverage	433/915 MHz, 2.4/5.8 GHz
WiFi	Dual-band channel
Detection Range	Site-specific (multiple km)
Defeat Range	Site-specific (several km)
Connectivity	1 Gb RJ45 Ethernet
Operating Temperature	-32 deg C to 55 deg C

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Implementation Partners:
Hardware assembled in the US by Trust Automation
Certified Field Service Representatives from OWT Global