COUNTER-sUAS TECHNOLOGY

Detect, Defeat, and Defend

NINJA ES

Jointly developed with the US Air Force

Operating Principles

The Ninja Emulation System (ES) enables routine Validation and Verification (V&V) of any Counter-small Unmanned Aircraft System (C-sUAS) system. The Ninja ES drone emulator supports periodic testing of operational C-sUAS performance without the need for live-flight testing. The ES can provide feedback to the operator that the drone signal has been successfully detected and/or defeated.

The ES includes a large library (>20 popular drone models) of electronic signatures used by various airframes and controllers from common manufacturers. Ninja ES can also be used to identify any RF blind spots or interference to improve the overall C-sUAS system coverage of any operational site.

Functions

- **Receive and detect sUAS RF signals in common communication bands (2.4/5.8 GHz and 400/900 MHz)**
- **Validate the successful transmission of a protocol-based RF countermeasure**
- **Provides supplemental environmental RF scanning to identify dynamic interference sources**
- **Supports software updates and ongoing library expansion for additional capabilities**
- **Works with any Electronic Warfare (EW) C-UAS system – not just Ninja**

NINJA ES SPECIFICATIONS	
Power	Li-Ion or LiFePO4 batteries, typical charge of 3-4 hours
Antennas	Two 2.4/5.8 GHz dual-band RF antennas
	One 400/900 MHz dual-band antenna
	One GPS antenna
Switches	Main Power toggle and On/Off push button to start the processor
Connectivity	Static IP address and USB port
Weight	6 lbs
Size	8.20" H x 2.00" D x 5.80" W
Display	Built-in
Case	Hard Shell

Contact us to learn more:

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

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