L3HARRIS®
FAST. FORWARD.

NIMBLE FINCH PRO™

Counter Unmanned Aircraft System (CUAS)

Neutralize threats posed by drones and unmanned aerial vehicles with a high-power, purpose-built jammer in a small, portable form factor.

TAILORED, SCALABLE UAS MITIGATION

Nimble Finch Pro is a specialized and comprehensive platform for CUAS missions. It uses optimized waveforms to maximize effects on known threats, while simultaneously providing broadband coverage against unknown targets and drone swarms. It features a remotely updateable waveform library for adaptation to various threat scenarios. This makes Nimble Finch Pro effective against current threats, and upgradeable to address emerging threats.

As a leader in electronic counter measures (ECM), L3Harris developed the Nimble™ family from a mission-proven legacy of ECM systems. Nimble Finch Pro optimizes this mature ECM capability for the CUAS mission.

ADVANCED UAS DETECTION AND REACTION

For threat detection and response, Nimble Finch Pro provides built-in automation and options for customization. Automation uses L3Harris' Smart Response Manager to monitor, analyze and integrate multiple sensor inputs. When threats are detected, it dynamically generates the optimal response for each scenario in real time.

Alternatively, the software is adaptable for integration with third-party sensors and task managers for autonomous operation or controlled man-in-the-loop operation.

Nimble Finch Pro provides effective radio frequency (RF) detection and mitigation for UAS threats.

BENEFITS

- **Detects UAS threats using L3Harris' Smart Response Manager with multiple sensor inputs**
- **Effectively neutralizes UAS threats using comprehensive waveform library**
- **Operates within traditional UAS frequency ranges in complex RF environments**
- **Extends range with high power, delivering up to 1500 watts EIRP (Effective Isotropic Radiated Power)**
- **Uniform coverage using four omnidirectional antennas**

SPECIFICATIONS	
Transmit Channels	4 physical 4 digital (flexibly routed)
Channel Expandability	Optional broadband receive channel Capacity for expanded transmit and receive
Interfaces	Gigabit Ethernet RS232/485 GPS
Dimensions	14 L x 10 W x 10 H in Dimensions include heat sinks without antennas
Weight	50 lbs or less
Operating Voltage	12-48 VDC
Max Power Consumption	990 W
Operational Temperature	-20°C to 60°C

SPECIFICATIONS		
Frequency (1)	**RF Power (2)**	**Antenna Gain (3)**
430-930 MHz	100 W	9 to 14 dBi
1160-1610 MHz	200 W	13 dBi
2400-2500 MHz	100 W	15 dBi
5725-5875 MHz	100 W	15 dBi

1. System can operate outside of specified frequency ranges
2. Peak CW power at antenna port
3. Antenna gain using directional antenna package

Nimble Finch Pro™

L3Harris is the Trusted Disruptor in defense tech. With customers' mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit L3Harris.com for more information.

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