L3HARRIS®
FAST. FORWARD.

NIMBLE FINCH™ AND NIMBLE FINCH PRO™

Rugged electronic countermeasures for counter unmanned aircraft systems (CUAS)

With unmanned systems and their adversarial applications proliferating at a staggering rate, the need for defensive solutions could not be more vital. L3Harris Nimble Finch and Nimble Finch Pro provide a purpose-built jamming platform combining high power and efficiency operation in a small form factor for optimized mission security and personnel protection.

TAILORED, SCALABLE UAS MITIGATION

Nimble Finch and Nimble Finch Pro provide unequaled protection for unmanned aircraft systems (UAS) capabilities. They represent a specific mission application for the Nimble family of electronic countermeasure (ECM) systems. Specialized for the CUAS mission, Nimble Finch provides a comprehensive platform to address the current target set with expandability and upgrade-ability for emerging threats.

Nimble Finch features a remotely updateable waveform library to mitigate a myriad of threat scenarios:

- Optimized waveforms for maximum effect against known targets
- Simultaneous broadband coverage for risk mitigation (multiple or unidentified UAS)
- Reduced power output for decreased radio frequency (RF) collateral interference

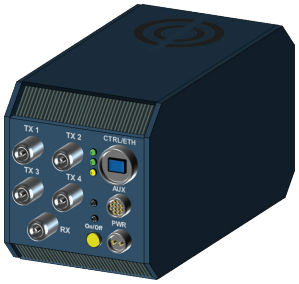
FLEXIBLE SYSTEM INTEGRATION

Nimble Finch will use L3Harris's Smart Response Manager to monitor, analyze and integrate multiple sensor inputs to dynamically generate the optimal threat response for each threat scenario in real time.

Alternatively, Nimble Finch's adaptable software platform can be readily integrated with a third-party sensor aggregation and tasking manager for autonomous operation or controlled directly via man-in-the-loop operation.

PLATFORM ADAPTABILITY

Antenna profile, mounting configuration, power sources and digital management can be adapted to suit a desired installation. Options are pre-identified for rapid deployment, and capabilities expanded in the future for Rx and reactive jamming capabilities.



NIMBLE FINCH

NIMBLE FINCH PRO

BENEFITS

- **Active jammer with comprehensive waveform library mitigates RF in complex environments**
- **Operation within traditional UAS frequency ranges provides comprehensive threat coverage**
- **Effective isotropic radiated power (EIRP) up to 1500 watts provides extended range performance**
- **Lower cost point compared to a full-spectrum jammer reduces budget impact**
- **Signal generation and amplification components co-located with antennas optimizes RF performance**
- **Four directional antennas, four physical transmit channels and eight digitally routable "Transmit TX" channels provide mission flexibility**

SPECIFICATIONS

	NIMBLE FINCH				NIMBLE FINCH PRO			
Operating Voltage	48 VDC (18-75 VDC input range)							
Max Power Consumption	250 W				990 W			
Operating Temperature Range	-20°C to 60°C							
Outer Dimensions (inclusive of heat sinks, exclusive of antennas)	12 L x 7 W x 7 H in				14 L x 10 W x 7 H in			
Operating Bands	Shared when requested							
EIRP: Directional Antenna Package	300 W	350 W	250 W	250 W	1500 W	1700 W	1300 W	1300 W

NIMBLE FINCH™ and NIMBLE FINCH PRO™

L3Harris Technologies is the Trusted Disruptor in the defense industry. 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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