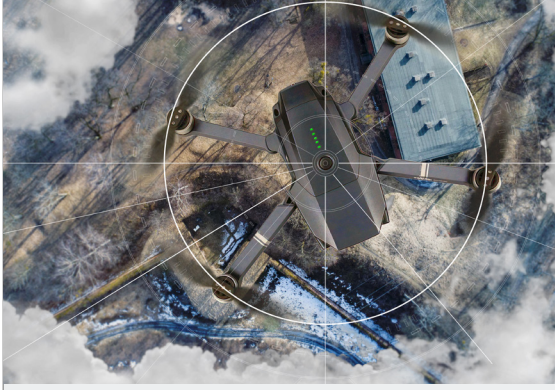
L3HARRIS®
FAST. FORWARD.

RECONNEX™ D3000 SERIES

Modular EW RESM/CESM, low-SWaP solutions



The L3Harris ReconneX D3000 series delivers small-form-factor solutions for unmanned platforms. It is built on a low-SWaP digital ESM (DESM) receiver optimized for land, border and coastal surveillance, as well as counter-UAS missions. High sensitivity, wide instantaneous bandwidth and advanced digital processing enable multifunctional, real-time detection, identification and monitoring of modern RF threats at extended ranges.

Built for today's dense and contested electromagnetic environments, the D3000 series delivers a modular EW capability that supports persistent situational awareness across the RF spectrum. The system detects, classifies and monitors emissions from submarines, surface vessels, aircraft, unmanned systems and land-based radios and radars, providing actionable ELINT and digital ESM (communications and radar) in real time.

D3000 combines wide instantaneous bandwidth, direct RF sampling and advanced digital processing to ensure reliable detection and accurate parameter measurement against modern, low-probability-of-intercept and agile radio emitters. Designed for unmanned small platforms such as UAS, UGVs and USVs, the D3000 provides integrated omnidirectional and compact direction-finding antenna configurations for wide-area surveillance and long-range collection. Its geolocation capabilities support rapid, dynamic surveillance in both mobile and fixed-site deployments. An optional fiber tether enables longer-distance unmanned operations with no RF signature.

Built around the core Spectrum Server™ software- and firmware-defined open architecture, the D3000 series lets customers freely tailor frequency coverage, bandwidth and mission functionality.

The D3000 series is sold with the DiSCO™ (Distributed Spectrum Collaboration And Operations) technology to deliver advanced, multi-function electronic warfare capabilities across distributed users and locations. As a DiSCO-enabled system, the D3000 enables rapid, secure coordinationand natively supports both independent and networked operations through an intuitive human-machine interface and the Arkenstone Agentic AI layer.

Operators can use the system on its own, operate it within a network of multiple D3000 units, or pair it with ReconneX D7000 and D5000 series receivers for expanded electronic support missions. Its flexible design accommodates everything from single-operator setups to coordinated, multi-system missions supporting radar electronic support measures (RESM), communications electronic support measures (CESM) and intelligence operations.

BENEFITS

- Rapidly understands the electromagnetic battle space for decisive action
- Detects and classifies RF emitters at range, providing persistent awareness across domains
- Empowers large RF band surveillance in small platforms as an affordable solution
- Adapts to evolving missions with a modular, future-proof design
- Enables distributed and collaborative operations across multiple users and sites
- Simplifies collaborative and distributed operations with intuitive controls and system integration

KEY PERFORMANCE AND CAPABILITIES	
Core Frequency Coverage Modular DF	70 MHz to 12 GHz, optional high band up to 20 GHz module Band A 0.5-6 GHz Band B 5-15 GHz Band C 10-20 GHz Band D 0.5-12 GHz
Instantaneous Bandwidth	2 Gsps per channel, up to 4 channels
Radar Pulse Volume	>3 Mpps, operating in high-density environments
Antenna Performance	120° horizontal per DF sector; omni-capable antenna 2° AoA az/el +-60° elevation coverage
Sensitivity	-70 dBm nominal, down to -95 dBm based on processing for pulses and better than -100 dBm for narrow band comms.
Detection	100% probability of intercept/detect in high-density environments
Signal Processing	Process all RF instantaneously Tracks >200 emitters simultaneously <10 ms registration of new emitters >20,000 emitter mode library capacity Software-defined coverage includes FMCW, RESM, CESM (AI-based)
Direct RF Sampling Receiver	Efficiency and reduced SWaP-C
Open System	Offers real-time streaming IQ channels to integrate with 3rd Party and sovereign ELINT or COMINT analysis SW
Operator Automation	Reduced workload Instant threat ID Built-in training mode
Improved HMI	Modern analytics AI-driven Agentic EW ready Fully remoteable
Option	Tethered sUAS or UXV, SIGINT-ready with third-party software High-speed digital recorder with ELINT recording capability COMINT-enabled via third-party software Active Sub System Module Fully integrated UAS 10-inch platform



D3000 Modular DESM with Multi-Domain Apertures

BUILT TO ADAPT. DESIGNED TO ENDURE.

Combining high-performance digital reception in a compact form factor with a modular EW open architecture and edge-ready mobile operations, the D3000 series provides a scalable foundation for counter-UAS, drone warfare and emerging robotic warfare missions. It delivers modern ELINT and digital ESM capability across the full spectrum of radar and communications signals. Designed to evolve with the threat, the D3000 enables customers to expand capability, integrate sovereign analytics and field-flexible configurations that deliver enduring operational advantage across land and coastal surveillance environments.

Learn more at L3Harris.com

Reconnex™ D3000 Series

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L3HARRIS®

1025 W. NASA Boulevard
Melbourne, FL 32919

L3Harris.com