



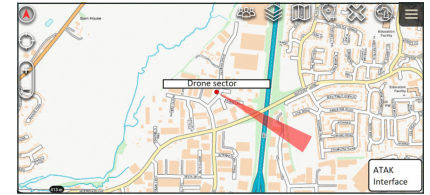
**L3HARRIS®**  
FAST. FORWARD.

## CORVUS-RAVEN

Compact, lightweight, individual EW and cyber system

CORVUS is a family of static, mounted or dismounted systems built around a highly agile architecture capable of hosting user-defined, mission-specific electronic warfare (EW) and radio frequency (RF) cyber applications.

Our CORVUS-RAVEN tactical counter-small UAS system brings operators unsurpassed signal detect capability and roadmapped defeat jamming capability. At the heart of our system is the Individual CORVUS Node (ICN) EW Transceiver. Software-defined, this capability is ready to evolve at pace with future requirements.



### TECHNICAL SPECIFICATIONS

#### Frequency Range

ICN Multirole Software-Defined Radio	20 MHz-6.0 GHz
Transmitter	20 MHz-6.0 GHz
RF Ports	2 x 5 W
Drone Defeat Frequency Range	Antenna-defined; Defeat function in development via roadmapped software module
<b>Antenna Options</b>	
With Switched Beam Antenna Drone Detect Frequencies	2.4-2.5 GHz; 5-6 GHz
Frequency and Gain	2.4-2.5 GHz @ 10 dBi; 5.5 GHz @ 14 dBi
Beams	Up to 24 sharp beams; < 15 degree detect angle
Roadmapped for Additional Frequencies	Please request details

#### System Performance

Detection Range	Dependent on siting and engagement geometry; Military field trials have shown detection of a typical Class 1 drone at over 3 km
-----------------	---

#### Physical Characteristics

Radio Dimensions and Weight	180 H x 139 W x 65 D mm, 1.7 kg
Switched Beam Antenna Dimensions and Weight	405 H x 320 D mm, 4.6 kg
Ancillaries (e.g. Backpack, Cables, Interfaces, Tripod, Hot-swap Batteries)	Deployment configuration specific Example dismount ancillary kit < 9 kg
S23 tactical edition ATAK interface	0.17 kg
Power Supply	Battery operated, BB2590 or equivalent

#### Temperature Range

Operating/Storage	-40°C to +55°C / -40°C to +85°C
-------------------	---------------------------------

#### Interfaces

ATAK Interface	Simple-to-use display of detected signal and sector
Alerts	<ul style="list-style-type: none"> <li>Alert indicators on front panel</li> <li>Audible alert (with covert mode)</li> <li>Browser-based local C2 on tablet or laptop</li> </ul>
Front Panel Interface	1 GB Ethernet

#### Qualification

Individual CORVUS Node	Compliant with MIL-STD-810, MIL-STD-461
COJOT Switched Beam Antenna SBA2456DB	Compliant with MIL-STD-810, MIL-STD-461

### KEY BENEFITS

- > High sensitivity receiver and antenna combination
- > High-range detection system
- > Simple visual display to enhance situational awareness (SA)
- > Application-driven functionality enables rapid reconfiguration, spiral enhancements, new detection and attack payloads
- > A range of antenna sizes to suit different missions
- > Omni-directional antenna option for ultra-portable, full-band solution
- > Roadmapped antennas for increased frequency bands
- > Fully ruggedised, < 15 kg example dismount system
- > Backpack receiver system with tripod mounted antenna
- > Simple ATAK user interface for rapid notification and action
- > OpenCPI enabled
- > Supports third-party applications
- > Interoperable with ATAK, SitaWare and other Battle Management Applications

*Selected technical information will only be disclosed to personnel and organisations upon enquiry.*

**L3Harris.com**

## AN AGILE, MODULAR APPROACH TO COUNTER EVOLVING SMALL UAS THREATS

CORVUS-RAVEN employs our purpose-built fast-scanning, wide-band Individual CORVUS Node (ICN) and direct antenna control to provide an ultra-fast assessment of the drone threat environment, detecting the drone signal and providing a rapid, clear indication of bearing and estimated range on a standard ATAK device. For truly mobile, lightweight counter-small UAS operations, portable and omni-directional antennas can be harnessed to provide an indication of drone presence and classification.

CORVUS-RAVEN provides detect coverage of threats in the 2.4 and 5.x GHz bands with the ability to expand into others. Through the use of an appropriately banded Switched Beam Antenna (SBA), new and evolving threats can be matched without the need to replace the ICN. Importantly, the SBA has the ability to enable the transmission of a proportionate jamming signal to defeat sUAS threats, a capability currently in development.

The core software-defined ICN unit enables multirole, multiplatform and multifunction EW and cyber capabilities, rapid reconfiguration to meet mission-specific and threat-driven requirements, as well as a faster way to develop, test and deploy threat defeat waveforms at pace. This provides the user with increased agility and cost benefits when compared to stove-piped, single-role, hardware-constrained EW systems.

A comprehensive suite of health checks ensures ICN is able to assure operational parameters at start-up and throughout the system's operation. The ICN performs continual built-in test procedures and provides audible and visual indications and alerts to the operator in the event remedial actions are necessary.



The CORVUS-RAVEN roadmap outlines several capabilities able to meet future C-sUAS requirements:

- > **Defeat** – software plug-in to transmit the counter-measure signal
- > **Mission type** – smaller antennas, additional bandwidths, dedicated vehicle and carry systems
- > **Complex signal** – enhanced detect and defeat
- > **Deployment** – vehicle systems with a safe, streamlined user experience for high power transmit, multi-receivers, high-processing



### CORVUS-RAVEN

© 2026 L3Harris Technologies, Inc. | 05/2026 | L32880 | A4

CORVUS® is a registered trademark of L3Harris TRL Technology Ltd, applicable in the UK, Europe, Australia, Canada and New Zealand.

**NON-EXPORT CONTROLLED:** THIS DOCUMENT CONSISTS OF INFORMATION THAT IS NOT DEFINED AS CONTROLLED TECHNICAL DATA UNDER ITAR PART 120.33 OR TECHNOLOGY UNDER EAR PART 772.

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](https://www.l3harris.com) for more information.



5500 Shannon Way, Tewkesbury, Glos,  
GL20 8GB, United Kingdom

[L3Harris.com](https://www.l3harris.com)