L3HARRIS®
FAST. FORWARD.

NCSi

Next-generation Intelligence, Surveillance and Reconnaissance Situational Awareness and network management

The L3Harris Network Control System international (NCSi) provides the next generation of Intelligence, Surveillance and Reconnaissance (ISR), Situational Awareness (SA) and management of multiple video feeds from airborne, ground, maritime and mobile vehicles. NCSi distributes critical Command and Control (C2) data throughout the battlefield, providing a common operational picture for decision makers. NCSi features a library of legacy radio interfaces to provide scalable video services to legacy tactical radio networks. A proven ISR network planner and simulation tool, C2 visualization provide network monitoring and situational awareness to exploit and disseminate video and data dynamically over a number of networks.

PRODUCT DESCRIPTION

NCSi is designed to be the center of the planning, configuration, and command and control of the managed, multi-tier network. The NCSi provides real-time network Situational Awareness (SA) including physical location of nodes, node health and status, and network connections through the implementation of a distributed and pluggable architecture. This includes configuration and management of the Open System Interconnection (OSI) network, datalink, and physical layers which enables network applications control and monitoring (through available native interfaces of the applications).


Use of U.S. DoD visual information does not imply or constitute DoD endorsement.

Providing the next generation of ISR situational awareness and network management

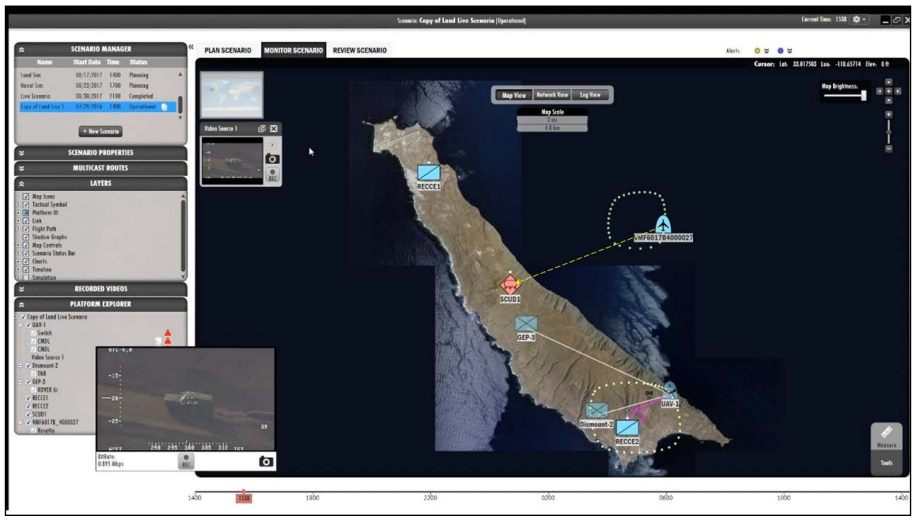
KEY FEATURES

- Provides airborne ISR mission planning, bandwidth management and dissemination of multiple High Definition (HD) video feeds while displaying a C2 display of ISR and Blue Force messages
- Provides expanded network control and legacy radio integration and is designed to support bandwidth management and improved C2 features.
- Web based:
  - Virtualized NCS
  - Distributed cloud networking and SA
  - Rapid instantiation/deployment
  - Web access to NCS features

L3Harris.com

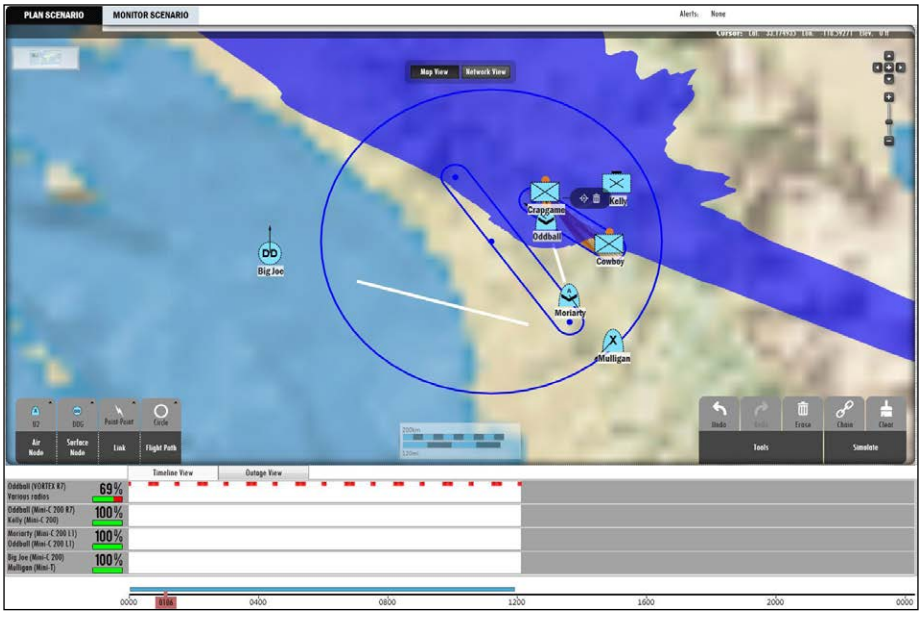
NETWORK MANAGEMENT VERSATILITY

The Network Control System integrates disparate radio and networking control systems into a common application framework that manages the dynamic nature of a given network. NCSi operates as the primary interface for multiple facets of mobile network planning, management, configurations and control. The Network Control System can be distributed and co-located with several network nodes. It does not require its own data link terminal or unique NCSi node radio system. The NCSi communicates with communication devices and other NCSi systems over an IP network.



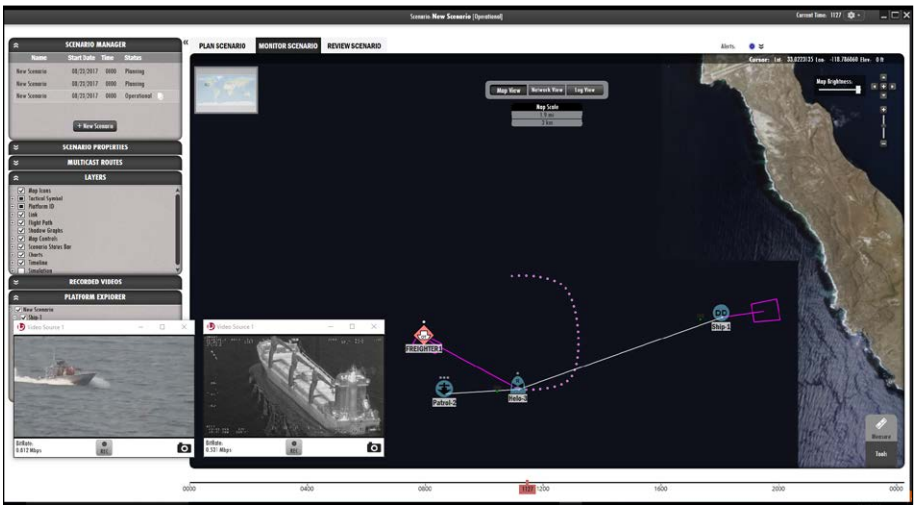
ISR MISSION PLANNING

- > Time-phased mission planning
- > Save/restore missions
- > Platform/radio configuration
- > Network configuration
- > Security configuration
- > Waypoint/trajectory configuration



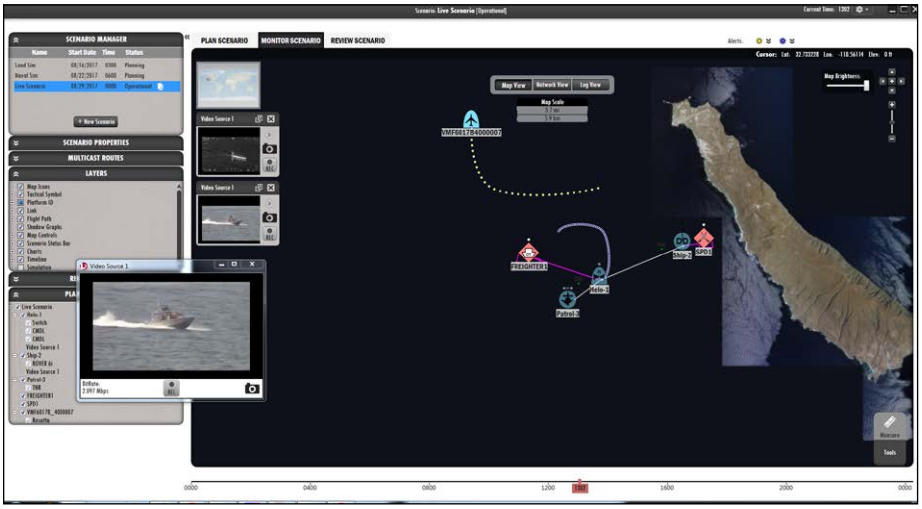
MISSION REHEARSAL

- > Terrain, platform blockage analysis
- > RF link budget analysis
- > Monte Carlo analysis/iterative analysis



ISR C2

- Blue force message integration
- Cursor on Target (COT)
- UAV support and position optimization



ISR NETWORK MONITORING AND VIDEO MANAGEMENT SERVICES

- Radio interface library
- Platform/radio health monitoring
- Trajectory/trajectory history
- QoS management
- Bandwidth Management
- Multi-format video
- Live video (stored on NCSi)
  - Transcoded or raw
- Archived library storage of video (on NCSi)
- Remote access to NCSi library via web

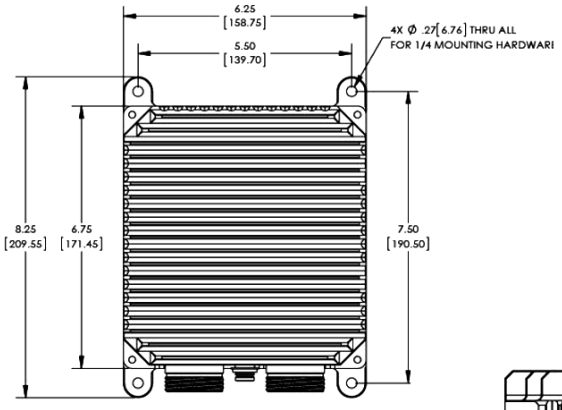
SPECIFICATIONS

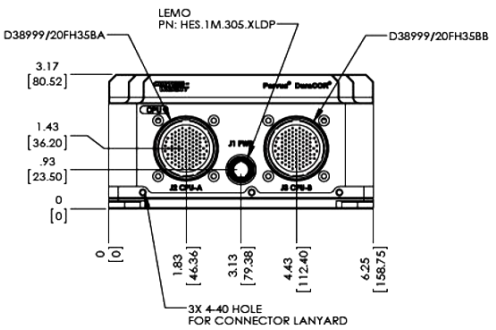
User View Characteristics

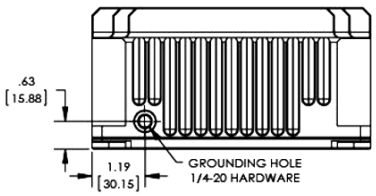
- Software or L3Harris Hardware based
- User interface uses Web browser
- Windows®- and Linux-based
- Provide mapview, netview and analytics
- Manage disparate radios and network equipment

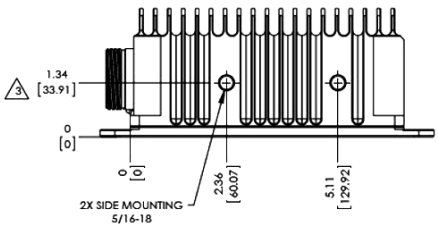
Physical Characteristics

- Weight: 8 lb.
- Power (max): 120.20 W
- Size: 8.25” (d) x 6.25” (w) x 3” (h)
- 9-36V input
- Low SWAP-C
- Mil-DTL 38999 Connectors
- Fanless 6th gen Intel mobile Xeon
- Integrated Iris Pro Graphics P580
- Expandable/modular open architecture
  - External storage
  - Wide variety of I/O modules available
- 1TB SSD internal storage
- 2xHDMI, 2xUSB 3.0, 4xUSB 2.0, 2x10/100/1000 Ethernet
- MIL-STD 810G, 461F, 1275D, 704F, DO-160, CE, IP67
- MIL-704F+1275D+DO-160 compliance,
- 50/200ms hold-up, N+1 redundancy
- -40 °C to +71 °C fanless passive natural convection
- MRL 8/TLR 8









NCSi

These item(s)/data have been reviewed in accordance with the International Traffic in Arms Regulations (ITAR), 22 CFR part 120.11, and the Export Administration Regulations (EAR), 15 CFR 734(3)(b)(3), and may be released without export restrictions.

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers’ mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

Use of U.S. DoD visual information does not imply or constitute DoD endorsement.

L3HARRIS®
FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919
t 833 537 6837
CSW.Products@L3Harris.com