The L3 Network Control System (NCS) provides the next generation of Intelligence, Surveillance and Reconnaissance (ISR) situational awareness and management of multiple video feeds from airborne, ground, maritime and mobile vehicles. NCS provides the ability to be distributed throughout the battlefield, providing a common operating picture to decision makers. NCS 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, Command and Control (C2) visualization, providing network monitoring and situational awareness to exploit and disseminate video and data dynamically over a number of networks.

**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, Link-16 and Blue Force messages.
- Provides expanded network control, legacy radio integration and is designed to support bandwidth management and improved C2 features.
Product Description

NCS is designed to be central to the planning, configuration, and command and control of the managed, multi-tier network. The NCS 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; network applications control and monitoring (through available native interfaces of the applications).

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
- Interference analysis
- Monte Carlo analysis / iterative analysis
ISR C2

- Blue force message integration
- Link-16 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 archive (stored on NCS)
- Transcoded or raw
- Library storage of video (on NCS)
- Remote access to NCS library via web

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. NCS 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 NCS node radio system. The NCS connects to the network through existing terminals and all control data traverses the normal user data plane network.
Specifications

User View Characteristics
- Laptop or L3 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: DWH: 8.5" (d) x 7.5" (w) x 5" (h)