Communications & Networked Systems

L3’s ROVER® 6S is an upgrade to the popular, widely fielded ROVER 6 transceiver. Expanded frequencies, additional processing resources for capability growth, Crypto Core Modernization and other enhanced features set it apart from earlier ROVER products. This rugged and reliable transceiver transforms sensor-to-shooter networking, allowing increased levels of collaboration and interoperability with numerous manned and unmanned airborne platforms.

Notable Enhancements

- High-definition video
- Expanded S-Band and UHF bands
- Cryptographic Core Modernization
- Signal and waveform search
- Updated digital processing and additional waveforms
- Improved RF performance

Key Features

- Multiband reception and transmission
  - Five-band operation (UHF, L, S, C and Ku)
- High-definition video encoding/decoding
- Signal and Waveform search
- Transmit capable
  - External transmitter control
  - Transmitter amp blank and enable signals
- Two reception channels
  - Same or different bands
  - Diversity reception from a single data source with two receive antennas
  - Two external receiver interfaces
- Secure digital communications
  - Cryptographic Core Modernization
  - AES
- Various powering options
  - Accepts 10 to 32 VDC
  - AC/DC battery eliminator
  - BA-5590 battery-compatible
- Web browser GUI control

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Product Description

Designed for air, surface and maritime use, L3’s ROVER 6S transceiver provides real-time, full-motion video (FMV) and other network data for situational awareness, targeting, battle damage assessment, surveillance, relay, convoy overwatch operations and other situations where eyes-on-target are required. The ROVER 6S Transceiver has two receiver channels. This frequency diversity provides link redundancy, robust reception and resiliency to platform shadowing, multi-path interference, line-of-sight blockages and RF interference. With an unmatched waveform set, ROVER 6S is interoperable with virtually all large airframes, UAVs and targeting pods in theater today.