L3’s VORTEX® is the next generation of compact, highly capable, multi-use transceivers. With simultaneous dual-band transmission, VORTEX® transforms sensor-to-shooter networking via increased levels of collaboration and interoperability. A VORTEX®-to-VORTEX® dual-band link provides high reliability through spatial and frequency redundancy.

Key Features

- Multiband reception and transmission
- Two simultaneous transmit channels
  - Same or different bands
  - Common data source
  - Common baseband modulation
  - Two external transmit interfaces
- Web browser GUI control
- Front panel indicators include video activity, transmit-enabled, system status and reverse polarity
- Two simultaneous reception channels
  - Same or different bands
  - Diversity reception with two receive antennas
  - Single data source
  - Two external receive interfaces
- Provides control for two external transmitters
- Baseband modulation output for two transmitters
- Reverse polarity protection
- STANAG 7085-certified
VORTEX®

Product Description

Designed for air, surface and maritime use, L3’s VORTEX® transceiver provides real-time, full-motion video and other data for situational awareness, targeting, battle damage assessment (BDA), surveillance, relay, convoy overwatch operations and other situations where eyes-on-target are required. VORTEX® can transmit and receive analog and/or digital data simultaneously. VORTEX® is interoperable with ROVER®, CDL, virtually all UAVs, targeting pods and other waveforms. VORTEX® can simultaneously transmit common data to multiple platforms using two different channels in one or two different bands. VORTEX® is able to receive on two different channels in one or two different bands from a single source. This band and channel diversity provides link redundancy, better reception and resiliency to platform shading, multipath interference, line-of-sight blockages and RF interference.