L3’s VORTEX®i is the next generation of compact, highly capable, multi-use transceivers. With simultaneous dual-band transmission, VORTEX®i transforms sensor-to-shooter networking via increased levels of collaboration and interoperability. A VORTEX®i-to-VORTEX®i 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
- Provides control for two external transmitters
- Baseband modulation output for two transmitters
- Front panel indicators includes video activity, transmit-enabled, system status and reverse polarity
- Reverse polarity protection
- Two simultaneous reception channels
  - Same or different bands
  - Diversity reception with two receive antennas
  - Single data source
  - Two external receive interfaces
Product Description

Designed for air, surface and maritime use, the VORTEX®i 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®i can transmit and receive analog and/or digital data simultaneously. VORTEX®i is interoperable with ROVER®, CDL, virtually all UAVs, targeting pods and other waveforms. VORTEX®i can simultaneously transmit common data to multiple platforms using two different channels in one or two different bands. VORTEX®i 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.