



VISLINK

product overview

at the heart of the action

AeroLink

Airborne Bi-Directional Transceiver

The AeroLink Transmission System is an integral component of the Vislink Airborne Video Down Link System (AVDS). The AeroLink System also features the agile IP based workflow that includes centralized management and optional video distribution system via the Quantum Receiver.

The AeroLink Transmitter is a lightweight, full-featured 4K or 2 x 1080p 60 HEVC digital encoding Bi-Directional FDD COFDM video downlink solution built to address the unique requirements of aircraft downlink operations. The gains from the HEVC technology enables superior quality video with reduced bandwidth enabling larger geographical coverage. Vislink's HEVC encoding allows the transmission of multiple video services over the same signal.

The AeroLink also features an optional MANET (MESH) component as a node in an ad hoc system.

In addition, it incorporates a 5G transceiver that may be used as part of the 5G public infrastructure to ensure low-latency, broadcast-quality transmissions.

AeroLink features IP input, wayside user data and KLV telemetry information. The video-in may be HD/SD SDI, ASI or composite or via Transport Stream (IP).

AeroLink also includes key security features such as advanced AES encryption and FIPS 140-2 and complies with all aircraft regulations.



Features and Functions

- Dual SDI/ASI Input
- 2 1080p60
- 4K Input
- FDD Bi-Direction COFDM
- HEVC Encoding
- MESH Node Integration
- KLV Meta Data
- GigE IP Input/Output
- AirRinc Frame
- SRT/RTSP/RTP Input for Data/Video
- Restful API for Integration
- Quantum EcoSystem Receive and Video Dissemination