





The Vislink Q-Link is an integral component of the Airborne Video Downlink Systems (AVDS). The Q-Link controls, aggregates, and distributes video captured from airborne platforms to multiple observers over secure IP networks, including wired Ethernet, Wi-Fi, IP Satellite, and IP cellular networks. The Q-Link extends critical situational video to an unlimited number of observers.

The Q-Link accepts video streams from Vislink's family of IP diversity receivers, adaptively transcodes the received video into various standard streaming formats and distributes the video, audio and metadata to multiple IP-based viewing terminals. Viewing terminals can range from a single PC running VLC, smartphones connected over a cellular network, to an HD video wall.

The Q-Link Aggregation is an ecosystem allowing coordination of receive systems components and transmitters. When using Ethernet/IP interconnects, it takes advantage of eLink technology, coordinating all the remote receivers. Statistics are consolidated and displayed on the web page, and frequency synchronization is preformed through a single interface.

The Q-Link features a four service HD decoder with dual channel capabilities.

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## **Features**

- Local Multi-Service HD Decoder
- o Dual Channel Option
- o IP Aggregation
- o Multi-user streaming
- o ABR—Adaptive Bitrate Transcoding
- o Central control of remote receive sites
- o Share video over secure networks
- Encrypted video
- o Distribute over public internet
- o Intuitive web page control
- o 1RU Server
- o Unlimited users

## **Typical Applications**

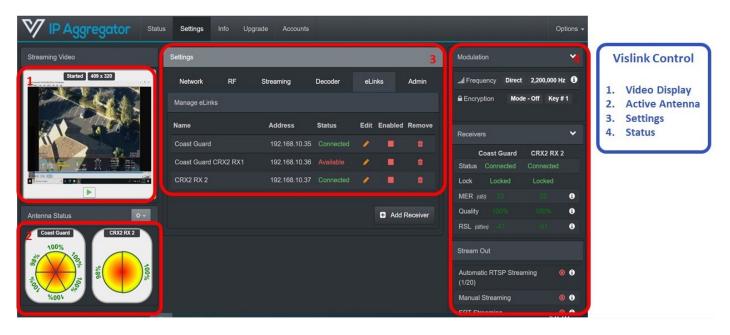
- o Law Enforcement
- Event Coverage
- Newsgathering
- Sports Coverage
- o Ship-to-Shore
- o ISR (Military and LE)



System Diagram Q-Link Datasheet

## Airborne Receive Command Fixed, Command & Mobile Receive Sites Mobile Receive Sites Wideo Dissemination VOD, Indexing, Play-it-Forward Awareness, Recognition & Notification Notification

## Webpage Control



	Q-Link
System	
Control	Webpage, Local Interface
Receivers Supported	CIRAS, CRX6, CRX2, MobilCMDR
Channels Supported	Up to 2 Channels (Dual Channel Optional)
IP Aggregation	<ul> <li>Scaled Geography with Meta Data</li> <li>Down Select to 2 Receivers</li> <li>MPEG TS</li> </ul>
Internal Decoder	
Decoder Architecture	GPU Based
Services Supported	● 4 1080p Services ● 1 4K
Decoder	<ul> <li>HEVC (H.265) UHD &amp; HD:</li> <li>Profile: Main 4:2:2 10 @ L5.1</li> <li>Sampling: 8bit &amp; 10bit</li> <li>Video rate: 1.0-40Mbps</li> <li>Video format: up to 2160p 60</li> <li>MPEG-4 AVC (H.264) HD:</li> <li>Profile: 422HP @ L4.2</li> <li>Sampling: 8bit &amp; 10bit</li> <li>Video format: up to 1080p 60</li> </ul>
Output	SDI     HDMI with extension
Decryption	<ul><li>BCRYPT AES 128 and 256</li><li>Vislink Legacy AES</li></ul>
Stream Engine	
IP Inputs Aggregation	MPEG TS
IP Stream Outputs	<ul> <li>UDP/RTP</li> <li>RTSP (unicast and Multicast)</li> <li>RTMP</li> <li>SRT</li> </ul>
Power	
Power Requirements	90-240VDC
Power Consumption	120W
Physical and Environmental	
Size	RU (19 inches)
Weight	2.1kG or 4.6lbs
Weight	-10 to +50°C

