

# Q-Link

## Airborne TS Control System



The Vislink Q-Link is an integral component of the Airborne Video Downlink System (AVDS). The Q-Link controls, aggregates, and distributes video captured from airborne platforms to multiple observers over secure IP 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 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 performed through a single interface.

The Q-Link features a 2 service HD decoder.

## Key Features

[Local Multi-Service HD Decoder](#)

[IP Aggregation](#)

[Central control of remote receive sites](#)

[Share video over secure networks](#)

[Video Decryption](#)

[Distribute over public internet with LinkMatrix](#)

[Intuitive web page control](#)

[1RU Server](#)

## Typical Applications

[Law Enforcement](#)

[Event Coverage](#)

[Newsgathering](#)

[Sports Coverage](#)

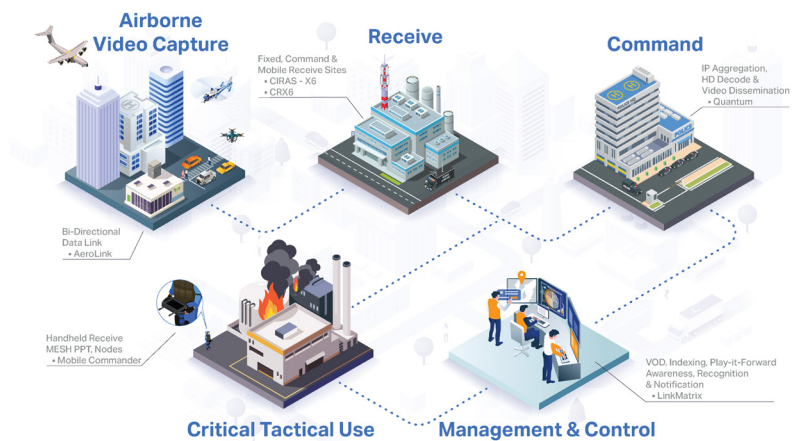
[Ship-to-Shore](#)

[ISR \(Military and LE\)](#)

# Q-Link Datasheet



## System Diagram



Technical Specifications	
System	
Control	Webpage, Local Interface
Receivers Supported	CIRAS, CRX6, CRX2, MobilCMDR
IP Aggregation	<ul style="list-style-type: none"><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	<ul style="list-style-type: none"><li>• 2 1080p Services</li><li>• 1 4K</li></ul>
Decoder	<ul style="list-style-type: none"><li>• HEVC (H.265) UHD &amp; HD:</li><li>• Profile: Main 4:2:0</li><li>• Sampling: 8bit</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: 4:2:0 HP</li><li>• Sampling: 8bit</li><li>• Video rate: 1.0-40Mbps</li><li>• Video format: up to 1080p 60</li></ul>
Output	<ul style="list-style-type: none"><li>• SDI</li><li>• HDMI with extension</li></ul>
Decryption	BCRYPT AES 128 and 256
Stream Engine	
IP Inputs Aggregation	MPEG TS
IP Stream Outputs	UDP/RTP
Power	
Power Requirements	90-240VDC
Power Consumption	120W
Physical and Environmental	
Size	RU (19 inches)
Weight	2.1kG or 4.6lbs
Temperature	-10 to +50°C

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