EAGLE EYE
NETWORKS

Eagle Eye QL Stream Technology Sheet

For routing, transmitting, securing, and processing video feeds from security cameras to improve the quality and reliability of all local viewing

Eagle Eye QL Stream Key Benefits:

- **Reduced latency**
  Fast access to camera video via the Eagle Eye Bridge/CMVR.

- **Higher quality local video**
  See more with full frame rate capabilities.

- **Easy integration**
  Open API technology allows for integration with third party viewing solutions (e.g. spot monitor/video wall).

- **Enhanced security**
  All local video viewing streams are secure and encrypted using SSL.

- **Higher uptime**
  Independent video viewing architecture provides continuous viewing even with an internet disruption.
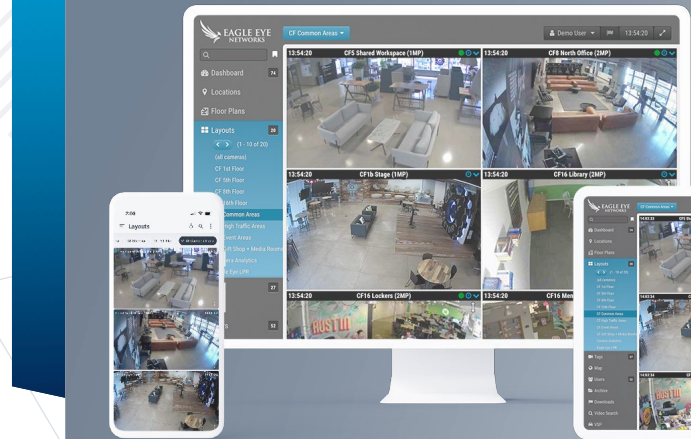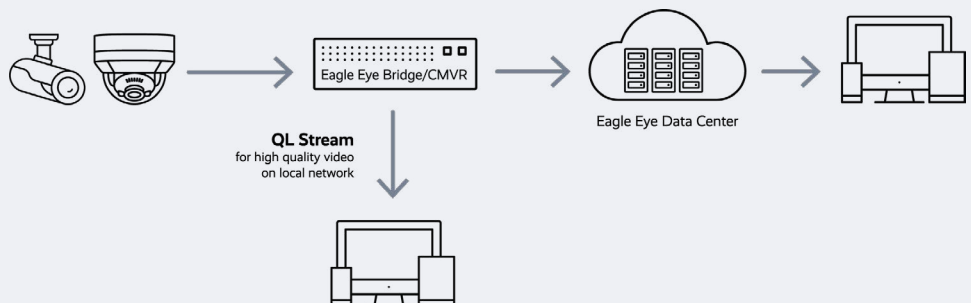
Eagle Eye QL Stream:

Eagle Eye QL Stream encompasses a blend of **cutting-edge web, mobile app and cloud technologies** delivering high-quality video content and automatically retrieving live and recorded video in the **highest resolution and frame rate** for local cameras.

QL Streams' ability to **securely transmit camera video streams** directly from the on-premise Eagle Eye Bridge/CMVR ensures authorized users can enjoy uninterrupted local viewing of live video streams. Furthermore, the technology enhances overall system reliability, security, and uptime by **centralizing connections through a single IP address**. This avoids the complexity of managing changing IP addresses due to DHCP for individual cameras.

QL Stream **simplifies management of camera accounts and camera passwords**, streamlining the process of live local viewing. Users can securely access and view live and historic media using a range of devices, from mobile phones to TV monitors using Eagle Eye or third-party solutions.

Architecture:

Eagle Eye Bridge/CMVR

QL Stream
for high quality video
on local network

Eagle Eye Data Center

Eagle Eye Local Viewing Solutions Using QL Stream

QL Stream is a technology that integrates seamlessly across Eagle Products and Solutions. QL Stream ensures that users can access high-resolution, high-frame-rate, live and local video quickly and conveniently. See below to better understand how QL Stream is utilized across the various local viewing options from Eagle Eye Networks.

- **Eagle Eye Web Application:** Through the Eagle Eye Media Shortcut, users can quickly and locally access high-resolutions and high-frame-rate live local video. This is available directly from the Eagle Eye Web Application for viewing from a Browser window of a PC.

- **Eagle Eye Viewer Mobile Application (Mobile App for iOS/Android):** This mobile App allows users to have quick, local access to high-resolution and high-frame-rate live local video. It's also compatible with both iOS and Android devices, which extends its usability to iPads and Android tablets, making it perfect for local viewing.

- **Eagle Eye Viewer Mobile Application for MacOS:** Users who prefer MacOS can run the Eagle Eye Viewer Mobile Application, which offers fast and high-resolution live local display of video streams.

- **NX-V Eagle Eye Viewer for Apple TV:** The Apple TV app is a cost-effective solution that can display up to 16 2MP cameras. Add a very inexpensive office display or spot monitor with minimal complication.

- **NX-V Eagle Eye Viewer for Windows:** The Windows application, with a compatible Windows PC, can display up to 32 cameras at 2MP resolution across two monitors. Useful for a simple setup of a high resolution display such as a video wall or multiple security display monitors.

- **Eagle Eye Bridge HDMI Local Display:** For those utilizing a Bridge/CMVR, the HDMI output ensures quick and local access to high-quality, live video streams.

- **Third-party Applications/API (including video walls, spot monitors, and more):** Eagle Eye QL Stream's adaptability extends to third-party applications, including solutions for video walls and spot monitors. Any application that has integrated the local viewing QL Stream API can benefit from quick access to high-quality, live video streams.

Eagle Eye QL Stream Use Cases & Supported Solutions

The table below provides an overview of some of the many use cases for Eagle Eye QL Stream and the corresponding Eagle Eye Networks products.

Use cases	Description	QL Stream - Enabled Products & Suggested Uses					
		Eagle Eye Media Shortcut	Eagle Eye Viewer Mobile App	Eagle Eye Viewer for Apple TV	Eagle Eye Viewer for Windows	Bridge/ CMVR QL Stream (RTSP)	Bridge/ CMVR Local via Monitor
Spot monitor	Publicly displays live video — used as a deterrent or to provide the perception of customer safety.			✓	✓	✓	✓
Reception desk display	Displays people entering and leaving a building. User needs ease of use, and may need full access to VMS features like 2-Way Audio and History Browser.	✓	✓	✓	✓		
Vehicle spot monitor	Provides visibility into vehicle access points and parking structures — useful for parking attendants or lot management.	✓			✓	✓	
Drive-thru vehicle queue	Shows vehicles waiting in the order queue at a drive-thru — helpful for efficiency and accuracy.				✓	✓	✓
Manager's display	Presents video of people and areas of interest on manager's desk — helpful for operations, reducing shrinkage or fraud.	✓	✓	✓	✓	✓	✓
Security patrol	Allows for on-foot patrol, with access to local camera feeds to cover grounds more efficiently and respond to situations effectively.		✓				
Security desk display	Presents live video with PTZ control and the ability to carousel through multiple camera views for guard touring.				✓	✓	
SoC/PSIM video wall	Provides multiple live video streams on a multi-screen video wall and may include other advanced features needed in a high-security environment.						✓

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