

Qumu Pearl Encoders (QPEs)

Qumu Pearl Encoders (QPEs) provide network friendly, intelligent encoding of video streams and associated media content. QPEs provides real-time video and audio encoding for live streaming, performing simultaneous processing of multiple video and audio inputs. QPEs also allow users to configure broadcasts that can publish to both internal and external distribution points simultaneously.

Key Features and Benefits



Live Switching of Video Sources

Using an intuitive touch screen, easily switch between video sources and layouts—or use a browser interface and control the QPE from almost anywhere.



Custom Layouts

Create custom layouts using a drag-and-drop layout editor. Create dynamic layouts by scaling video, adding images or custom backgrounds, and more.



Intuitive Touch Screens

Enable even novice operators to control QPEs with confidence. One Touch allows the starting and stopping of recording and streaming with a single tap of the screen.



Secure Live Streaming

QPE encoders support 802.1x certificate authentication, RTMPS encryption of live streams, SFTP, and HTTPS for encrypted administrative access.

Additional Features



Configuration presets

Quickly apply settings to a QPE with a configuration preset, and reconfigure on the fly for a consistent setup every time.



Advanced networking

Easily connect QPEs to the network with auto discovery. View and reconfigure the IP address directly using the touchscreen.



Multi-track recorders

Record multiple channels in a single multi-track file, and ensure recordings start and stop at the same time. Also split files into individual tracks for post-processing.

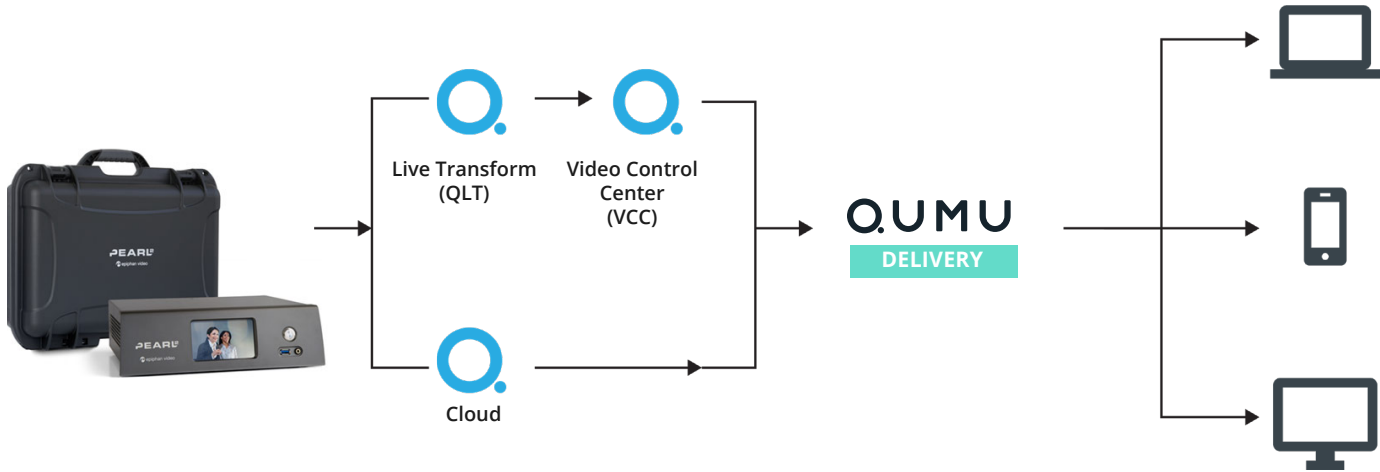


Role-based access control and LDAP support

Login to QPEs with admin, operator, or viewer rights. Define domain name groups to assign user roles in bulk, so users can login with LDAP credentials.



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Additional Benefits

- Monitor streams from the start, and throughout an entire broadcast, on-site and remotely.
- Utilize encoder tools for greater variation in broadcast presentation and appearance.
- Upgrade QPEs to 4K—now or later.
- Use a consistent approach for cloud or on premise encoding and live streaming.
- Allow for greater flexibility in accessing and managing encoder profiles.
- Leverage Individual input recording for backup storage, and optional editing after the fact.

Specifications

Qumu Pearl Encoder

QPE-Portable

QPE-Rack

QPE-RackTwin

Portable

11 13/16" x 9 7/16" x 3 1/2"

(300mm x 240mm x 90mm)

8.38 lbs. (3.8kg)

Includes a hard side carry case

Rack

19 5/8" x 10 7/8" x 3 1/2"

(498mm x 276mm x 89mm)

11.9 lbs. (5.4kg)

RackTwin

19 5/8" x 10 7/8" x 3 1/2"

(498mm x 276mm x 89mm)

14.7 lbs. (6.6kg)

Storage Capacity

512 GB SSD

3xUSB 3.0 ports

Video Inputs

4xHDMI

2x12G SDI

2xUSB Video

Network: RTSP, NDI, NDI HX

Audio Inputs

4xXLR, 2xSDI, 2xUSB, 4xHD-MI, 1xRCA

Audio Outputs

On-board touch screen

2xHDMI

Encoding

H.264, MPEG4, M-JPEG

1-50 MB/s bitrate

Network

1x1 GB RJ45 Ethernet

Recording

AVI, MP4, MOV, MPEG-TS

Control

Browser Admin Panel

Epiphan Portal

Touch screen

Remote login

HTTP & RS-232 API

* Each QPE encoder comes with a three-year repair or replace defective units warranty, with limited onsite advance replacement units, standard call center support during normal business hours, and includes lifetime firmware upgrades (see Support Plan for full information).