

PEARL²

LIVE ENCODING AT 4K



Switching Encoding Recording Streaming

All-in-one live video production

Reliable, simple live streaming with Pearl-2's integrated live video production workflow. Manage your streaming, recording and live switching in one place with this easy to use video production system.

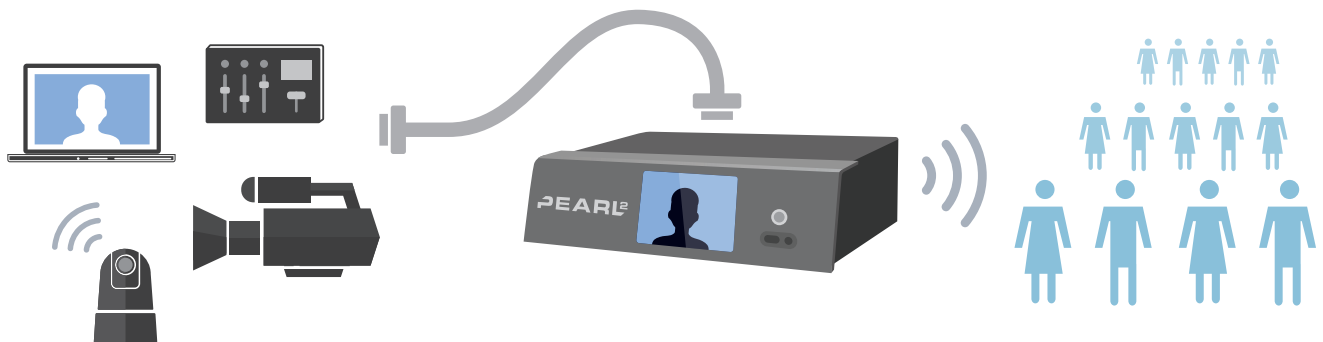
VIDEO SOURCE

4K

CAPTURE

STREAM

RECORD





4K

Stunning 4K video

Harness the power of Pearl-2's 6th generation Intel processor to capture stunning 4K video at 30 fps. Use Pearl-2's default hardware-accelerated H.264 encoding for maximum compatibility and performance or choose MPEG-4 or M-JPEG codecs.



Pro audio support

Capture embedded HDMI, SDI, and USB audio or use the XLR/RCA ports for professional level audio from mixing consoles and sound equipment. Built-in attenuation and gain adjustment mean you get perfect sound fidelity.

EPIPHAN LIVE

Simple to use monitoring and live switching between sources or layouts using Epiphan Live, a control interface designed for ease of use with touch screen devices.



Plug and play, or tweak to perfection

Let Pearl-2 set everything for you automatically, or use the web-based Admin panel to configure bitrate, frame size, layouts, and more!



Output video for local displays

Show any source or program channel at front of house or on a larger confidence monitor at up to 4K using Pearl-2's HDMI output ports.

Keep your recordings safe

Hold hundreds of hours of recordings and configure automatic file transfer to a local USB drive or network drives.



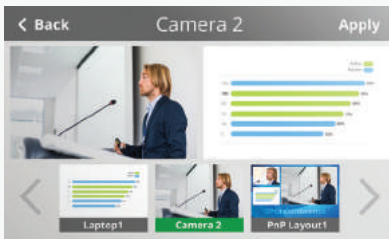
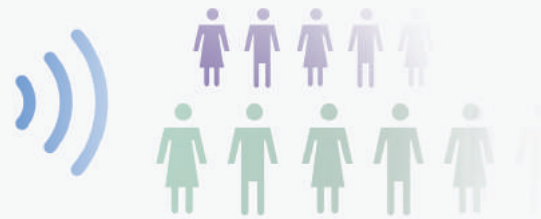


Capture 6 video sources at once

Pearl-2 works with any video source from SD to 4K! Capture 4K from HDMI, SDI, and USB sources and up to 1080p from IP cameras over RTSP.

Stream to viewers everywhere

Send multiple, simultaneous streams out to CDNs or video portals. At the same time, use the built-in streaming server to stream locally to web browsers and set-top boxes.



Switch video sources live

Use the touch screen or **Epiphan Live** to preview and change live content. See changes immediately in your video stream and via Pearl-2's video output ports.

Create custom layouts

Completely customizable, drag and drop layouts with cropping and image overlay support.



Models



PEARL²

For portable live production.
Includes a hard-shell carrying case.

PEARL² RACKMOUNT

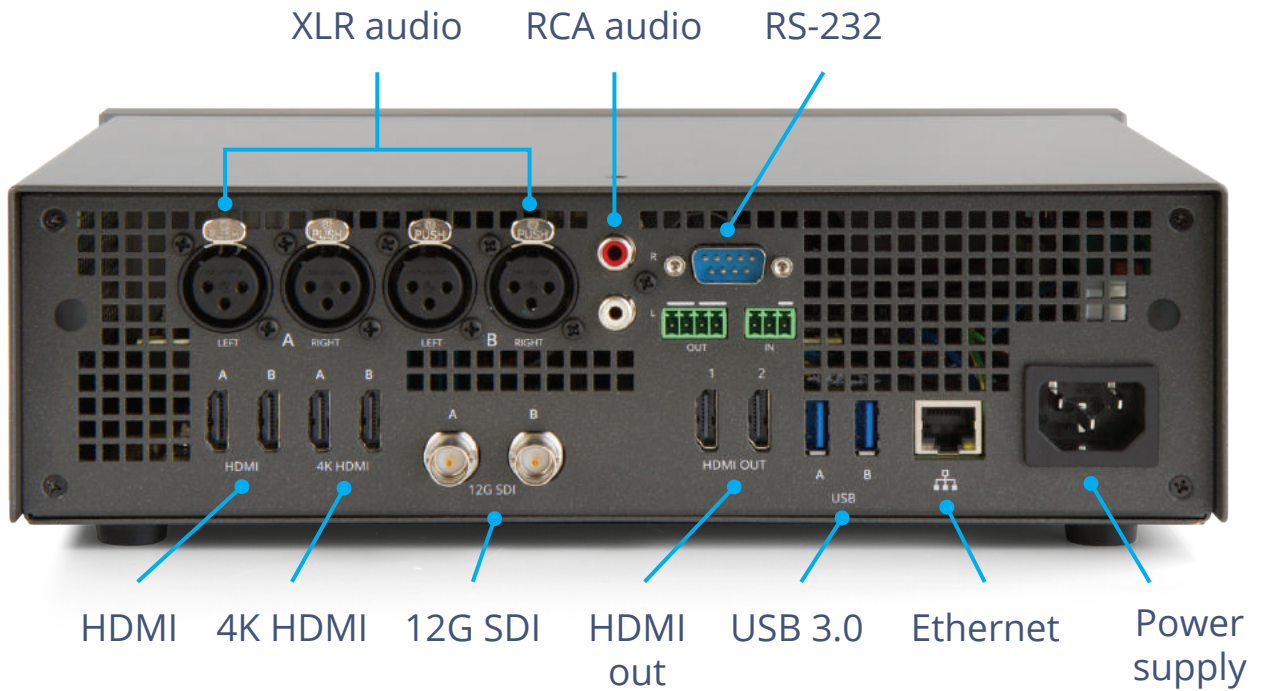
All the same features but designed
for installation in a rack.



PEARL² RACKMOUNT TWIN

Two completely independent
Pearl-2 systems for high-density
rack installation.

Connect everything



* Specifications are for Pearl-2 and Pearl-2 Rackmount. Pearl-2 Rackmount Twin is comprised of two independent Pearl-2 systems.

Video inputs	Connectors:	2 × HDMI™, 2 × 4K HDMI, 2 × 12G SDI, 2 × USB video
	Network inputs:	RTSP sources over IP (e.g. IP cameras or channels from Pearl or Pearl-2 systems)
Audio inputs		2 × stereo XLR, RCA, SDI, HDMI, USB
Video output		On-board touch screen and 2 × 4K HDMI for video output
Video switching		During live streaming and recording via the touch screen or web UI
Video encoding	Codecs:	H.264, MPEG-4, Motion JPEG
	Bitrate:	1 to 20 Mb/s
	Color resolution:	4:2:0
	Resolution:	User-selectable up to 4K (3840 × 2160)
Encoded programs		2 simultaneous 1080p programs at 60 fps (with up to 6 HD sources) 6 simultaneous 1080p programs at 30 fps (with up to 6 HD sources) 1 4K UHD program at 30 fps (with up to two 4K and two HD sources)
Audio encoding		MP3, PCM and AAC (sampling 16 - 48 kHz, bitrate up to 320 kbps)
Network		1 × 10/100/1000 Ethernet port (RJ45)
Storage	Local hard drive:	512 GB SSD
	Local USB:	Automatic or manual copy via 3 USB 3.0 ports
	Network storage:	FTP server or FTP, SFTP, SCP, RSYNC, CIFS copy
Recording formats		AVI, MP4, MOV or MPEG-TS
Control		Web Admin panel, Epiphan Live portal, touch screen, comprehensive HTTP and RS-232 APIs
Product dimensions		Pearl-2: 11 13/16" × 9 7/16" × 3 17/32" (300 mm × 240 mm × 90 mm), 8.38 lbs (3.8 kg) Pearl-2 Rackmount and Pearl-2 Rackmount Twin: 19 5/8" × 10 7/8" × 3 1/2" (498 mm × 276 mm × 89 mm), 11.9 lbs and 14.7 lbs (5.4 kg and 6.6 kg)

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