

# PEARL<sup>2</sup>

LIVE ENCODING AT 4K



Switching Encoding Recording Streaming

# Epiphan Pearl-2: 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.





# 4K

## **Stunning 4K video**

Harness the power of Pearl-2's 6<sup>th</sup> 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.



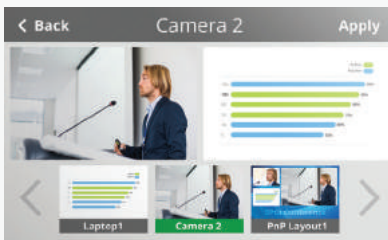


## Capture 6 video sources at once

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, chroma key, text and image overlay support.



# Models



## PEARL<sup>2</sup>

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

## PEARL<sup>2</sup> RACKMOUNT

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

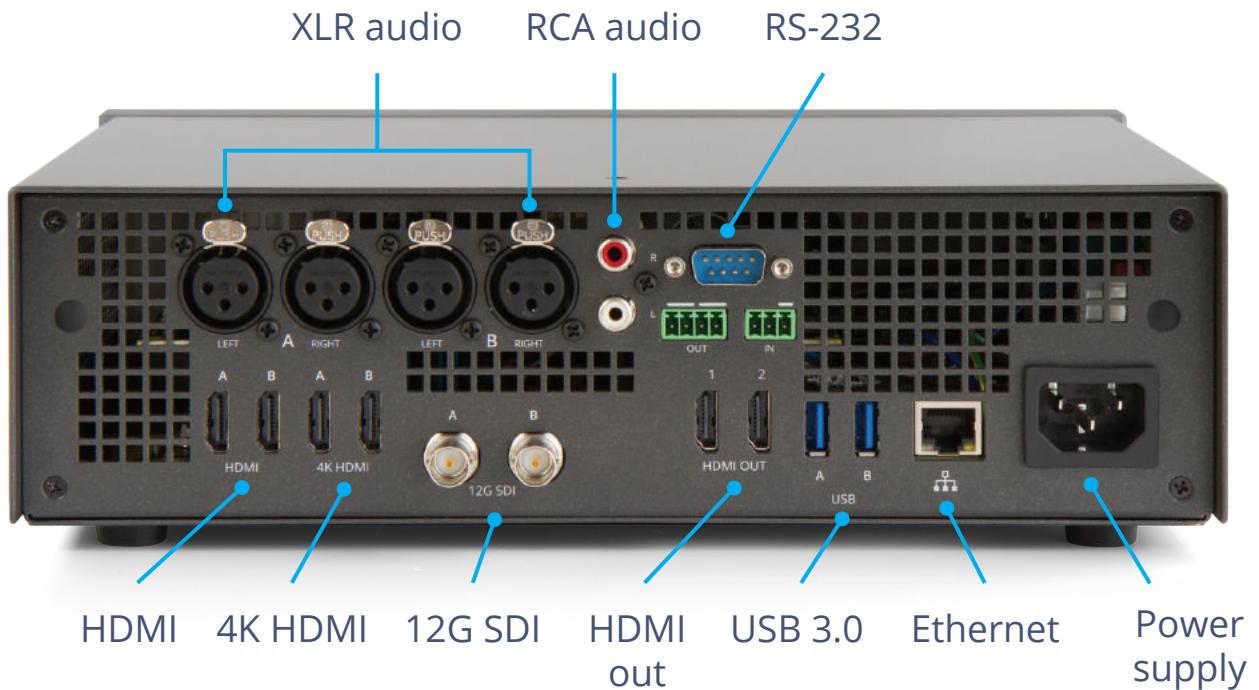


## PEARL<sup>2</sup> RACKMOUNT TWIN

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	<b>Connectors:</b>	2 × HDMI™, 2 × 4K HDMI, 2 × 12G SDI, 2 × USB video
	<b>Network inputs:</b>	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	<b>Codecs:</b>	H.264, MPEG-4, Motion JPEG
	<b>Bitrate:</b>	1 to 20 Mb/s
	<b>Color resolution:</b>	4:2:0
	<b>Resolution:</b>	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	<b>Local hard drive:</b>	512 GB SSD
	<b>Local USB:</b>	Automatic or manual copy via 3 USB 3.0 ports
	<b>Network storage:</b>	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		<b>Pearl-2:</b> 11 <sup>13</sup> / <sub>16</sub> " x 9 <sup>7</sup> / <sub>16</sub> " x 3 <sup>1</sup> / <sub>32</sub> " (300 mm x 240 mm x 90 mm), 8.38 lbs (3.8 kg) <b>Pearl-2 Rackmount and Pearl-2 Rackmount Twin:</b> 19 <sup>3</sup> / <sub>8</sub> " x 10 <sup>7</sup> / <sub>8</sub> " x 3 <sup>1</sup> / <sub>2</sub> " ( 498 mm x 276 mm x 89 mm), 11.9 lbs and 14.7 lbs (5.4 kg and 6.6 kg)

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