

PEARL-2

# Simplify your 4K live video production





## 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.





## 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's default hardware-accelerated H.264 encoding for maximum compatibility and performance, or choose MPEG-4 or M-JPEG codecs.

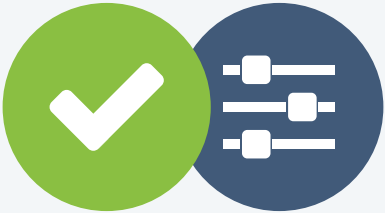


## Pro audio support

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.

## Remote login

Login to your Pearl-2 from anywhere using a secure Internet connection. Quickly take control of Pearl-2 for remote rescue troubleshooting, support technicians in the field, control recording, switching, and more.

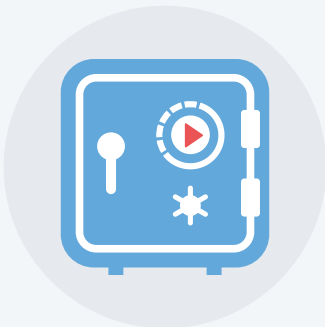


## Plug and play, or tweak to perfection

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 HD recordings on the 512 GB solid state hard-drive and configure automatic file transfer to a local USB drive with USB 3.0 file transfer speed or to network drives.

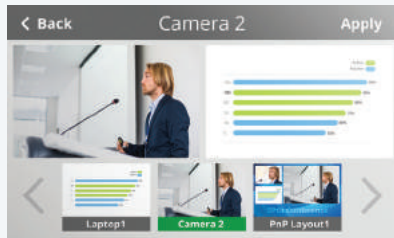


## Capture 6 video sources at once

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.

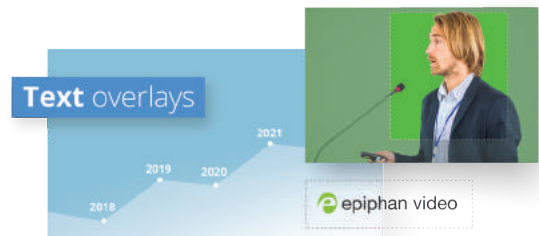


## Switch video sources live

Incredibly easy to use, Pearl-2's touchscreen makes switching between your connected sources or layouts a breeze. Or use the web-based Epiphan Live to do remote monitoring and switching from your phone or tablet.

## Create custom layouts

Completely customizable, drag and drop layouts with cropping, chroma key, custom backgrounds, text, timestamping, 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!



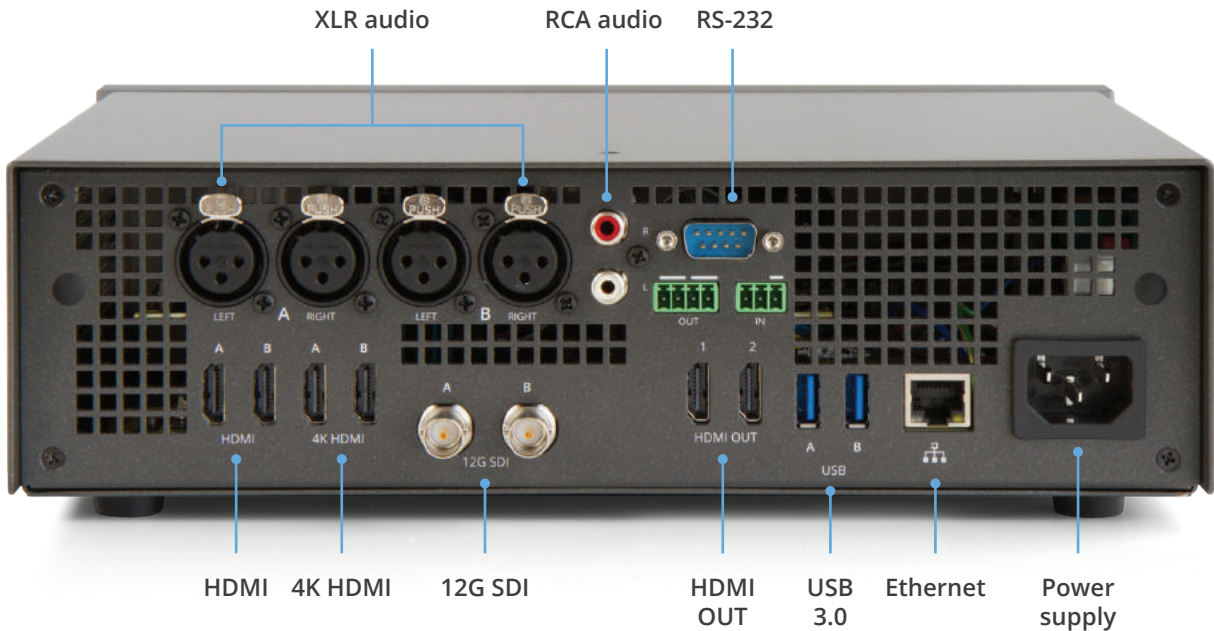
## Video inputs

Connect your camera or video source with HDMI, SDI, DVI, and USB video inputs



## Pro audio

Use the XLR, TRS, or RCA inputs for pro level audio



**New!** Direct integration with CMS Kaltura

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

<b>Video inputs</b>	<b>Connectors:</b>	2 × HDMI™, 2 × 4K HDMI, 2 × 12G SDI, 2 × USB video
	<b>Network inputs:</b>	RTSP sources over IP
<b>Audio inputs</b>		4 × XLR (two stereo pairs or four mono), 2 × SDI, 2 × USB, 4 × HDMI, 1 × RCA (stereo)
<b>Video output</b>		On-board touch screen and 2 × 4K HDMI for video output
<b>Video switching</b>		During live streaming and recording via the touch screen or web UI
<b>Video encoding</b>	<b>Codecs:</b>	H.264, MPEG-4, Motion JPEG
	<b>Bitrate:</b>	1 to 50 Mb/s
	<b>Color resolution:</b>	4:2:0
	<b>Resolution:</b>	User selectable up to 4K (3840 × 2160)
<b>Encoded programs</b>		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)
<b>Audio encoding</b>		MP3, PCM, and AAC (sampling 16 to 48 kHz, bitrate up to 320 kbps)
<b>Network</b>		1 × 10/100/1000 Ethernet port (RJ45) 802.1x network security and certificate management
<b>Storage</b>	<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, SFTP, SCP, RSYNC, CIFS, AWS, or WebDav servers
<b>Recording formats</b>		AVI, MP4, MOV, or MPEG-TS
<b>Control</b>		Browser-based Admin panel, Epiphan Live portal, touch screen, remote login, HTTP, and RS-232 APIs
<b>Product dimensions</b>		<b>Pearl-2:</b> 11 3/16" × 9 7/16" × 3 7/32" (300 mm × 240 mm × 90 mm), 8.38 lbs (3.8 kg) <b>Pearl-2 Rackmount and Pearl-2 Rackmount Twin:</b> 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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