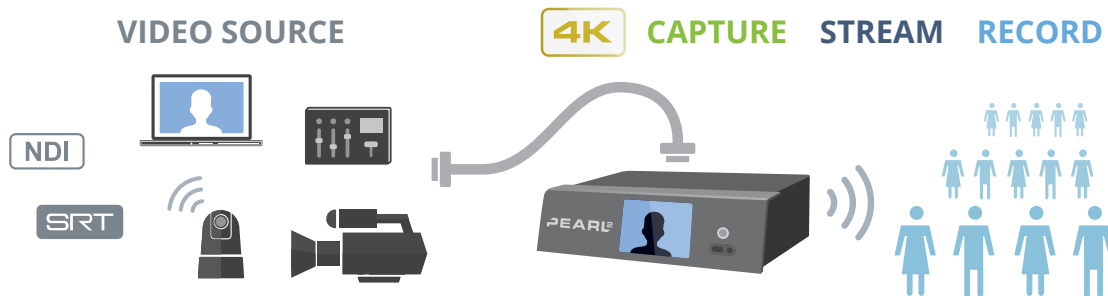**PEARL-2**

Simplify your 4K
live video production

PEARL²

epiphan video

epiphan video

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.

VIDEO SOURCE   **4K** **CAPTURE** **STREAM** **RECORD**

NDI

SRT

4K

Stunning 4K video

Harness the power of Pearl-2's 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 M-JPEG.
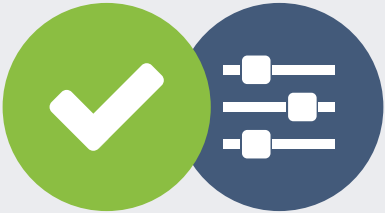
Pro audio support

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

Remote login

Log in 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.
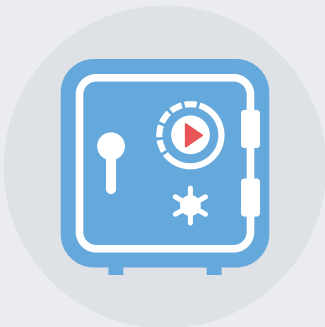
Plug and play or tweak to perfection

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 SSD and configure automatic file transfer to a local USB drive with USB 3.0 file transfer speed or to network drives.
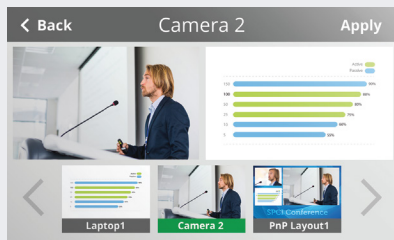
Capture six video sources at once

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

Stream to viewers everywhere

Simultaneously live stream to YouTube, Facebook or any other CDN. Supported protocols include SRT, HLS, MPEG-DASH, RTMPS, and more. At the same time, use the built-in streaming server to stream locally to web browsers and set-top boxes.
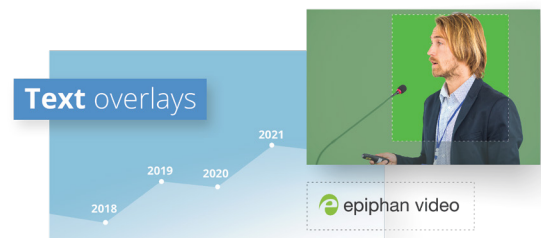
Switch video sources live

Incredibly easy to use, Pearl-2's touch screen 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.

PEARL²

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

PEARL² RACKMOUNT

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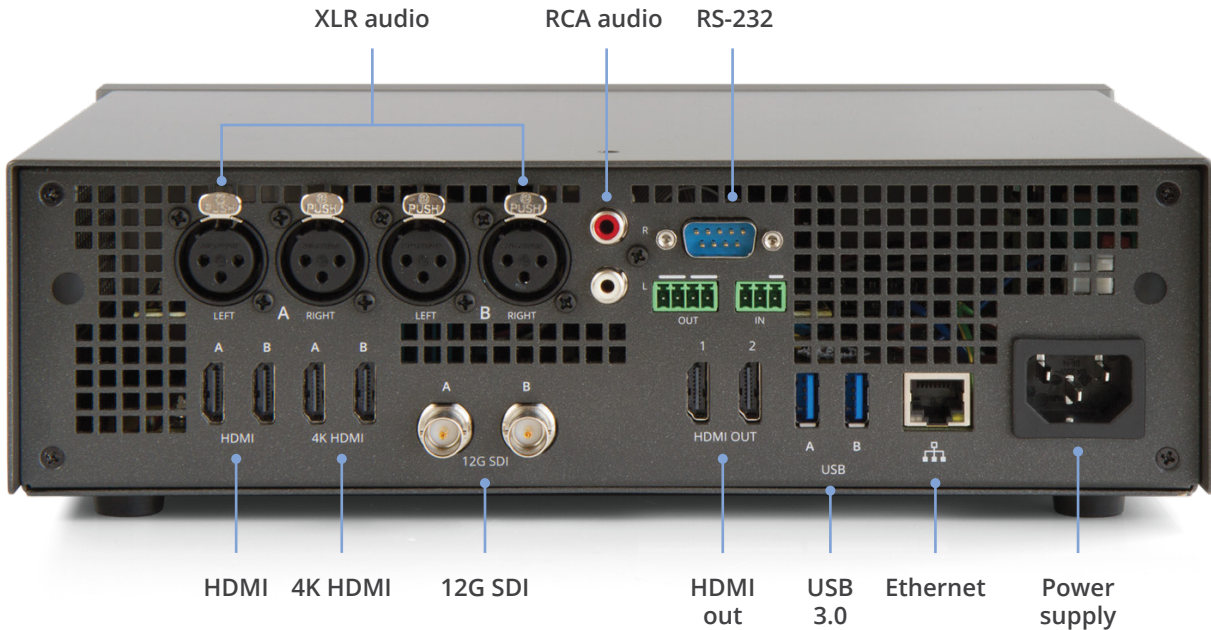
Connect everything!

Video inputs
Connect camera or video sources with HDMI, SDI, DVI, and USB video inputs or networked SRT, NDI, and RTSP sources

Pro audio
Use the XLR or RCA inputs for pro level audio

XLR audio   RCA audio   RS-232

HDMI   4K HDMI   12G SDI   HDMI out   USB 3.0   Ethernet   Power supply

Seamless CMS support for Kaltura, Panopto, and YuJa
This integration allows for multi-camera scheduled VOD events, ad hoc events, and webcasting.

* Specifications are for Pearl-2 and Pearl-2 Rackmount.

Video inputs	**Connectors:**	2 × HDMI™, 2 × 4K HDMI, 2 × 12G SDI, 2 × USB video
	Network inputs:	NDI®, NDI HX, SRT, and RTSP
Audio inputs	4 x XLR (two stereo pairs or four mono), 2 × SDI, 2 × USB, 4 × HDMI, 1 × RCA (stereo)	
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 and Motion JPEG
	Color resolution:	4:2:0
	Resolution:	User selectable up to 4K (3840 × 2160)
Streaming protocols	RTMP/RTMPS, SRT, HLS, MPEG-DASH, NDI, RTSP, MPEG-TS, RTP/UDP, UPnP	
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 to 48 kHz, bitrate up to 320 kbps)	
Network	1 × 10/100/1000 Ethernet port (RJ45) 802.1x network security and certificate management	
Storage	**Local hard drive:**	512 GB SSD
	Local USB:	Automatic or manual copy via 3 USB 3.0 ports
	Network storage:	FTP, SFTP, SCP, RSYNC, CIFS, AWS, or WebDav servers
Recording formats	AVI, MP4, MOV, or MPEG-TS	
Control	Browser-based Admin panel, Epiphan Live portal, touch screen, remote login, HTTP, and RS-232 APIs	
Product dimensions	**Pearl-2:** 11 ¹³⁄₁₆″ x 9 ⁷⁄₁₆″ x 3 ¹⁷⁄₃₂″ (300 mm x 240 mm x 90 mm), 8.38 lbs (3.8 kg) **Pearl-2 Rackmount:** 19 ⅝″ x 10 ⅞″ x 3 ½″ (498 mm x 276 mm x 89 mm), 11.9 lbs (5.4 kg)	