Pearl

LIVE VIDEO PRODUCTION

Switching
Streaming
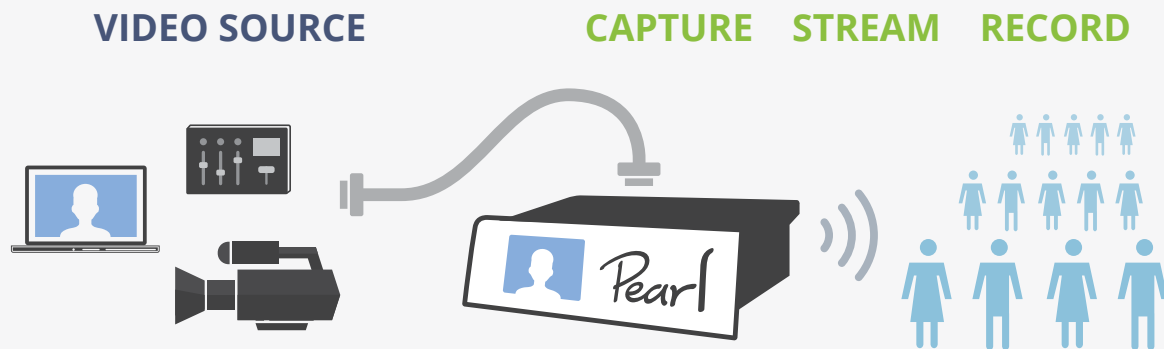# Recording

epiphan video

capture · stream · record

Pearl™ is a production video switcher with live streaming and recording. Use the built-in scaler and video mixer to create custom picture in picture layouts from up to four HD video sources. Record your videos while simultaneously streaming four 1080p video streams at 30 fps.

VIDEO SOURCE **CAPTURE** **STREAM** **RECORD**

Epiphan PTZ Cameras

The perfect camera to pair with Pearl.

- 1920×1080p pan-tilt-zoom camera, with remote control
- 12 MP sensor with 12× optical zoom
- Fast, accurate focus
- Create up to 128 presets
- Choice of SDI or DVI (HDMI) output to Pearl
- RS-232, RS-485, VISCA and PELCO D/P support

Pearl

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

Pearl
RACKMOUNT™

All the same features of Pearl,
designed for installation in a rack.

Pearl
RACKMOUNT TWIN™

Two completely independent Pearl systems
for high density rack installation.

Capture 4 HD sources at once

With built-in support for SDI (3G-SDI, HD-SDI, SD-SDI), HDMI™, DVI and VGA, Pearl can capture just about any video source you have. Audio capture is supported over HDMI and SDI and through stereo TRS audio jacks.

Stream to viewers everywhere

Stream to local viewers using browsers or media players or use Pearl's CDN integration to share with a large audience. You can even stream to Smart TVs and set-top boxes. Have as many as four different 1080p streams at 30 fps – all from one Pearl!

Switch video sources live

Pearl is a video mixer! Use the touch screen or the web UI to preview and change the live content. Changes are reflected immediately in your video stream and on displays connected to Pearl's video output ports.

Create custom layouts

Use the drag and drop web UI to arrange your video sources into completely custom layouts. Add images, including backgrounds and transparent PNGs for overlays. Crop video sources to make digital zooms.

Keep your recordings safe

With up to 1 TB of storage, Pearl can hold hundreds of hours of HD recordings. You can also configure automatic file transfer to a local USB drive or to a network drive using SFTP, FTP, RSYNC, SCP or CIFS.

300 Hours

Output video for local displays

Show content to front of house or send it to a larger confidence monitor with Pearl's two video output ports. Configure to show any input source or any channel at up to 1080p.

DISPLAYPORTS

Plug and play, or tweak to perfection

Let Pearl set everything for you automatically, or take advantage of the web UI to configure bitrate, frame size, layouts, overlays and more!

19V DC

USB   DisplayPort   Ethernet   SDI   VGA   HDMI   Left/right stereo audio

Video inputs	2 × SDI, 2 × HDMI™ (DVI), 2 × VGA
Audio inputs	2 × ¼" left/right TRS audio, SDI audio and HDMI audio
Video output	On-board touchscreen and 2 × DisplayPort 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: 100 to 9999 kbit/s
	Color resolution: 4:2:0
	Frame rate: 4 × 1080p streams at 30 fps each
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 drives** 1 TB HDD (512 GB SSD for rackmount models)
	Local USB Automatic or manual copy via 2 USB 2.0 ports
	Network storage FTP server or copy via FTP, SFTP, SCP, RSYNC, CIFS
Recording formats	AVI, MP4, MOV or MPEG-TS
Control	Web UI, touch screen as well as comprehensive HTTP and RS-232 APIs
Product dimensions	Pearl: 10 ⅝" x 3 ¼" x 7 ⅜" (270 mm x 82 mm x 187 mm), 3.4 lbs (1.54 kg) Pearl Rackmount and Pearl Rackmount Twin: 19 ⅝" x 3 ½" x 10 ⅝" (498 mm x 89 mm x 270 mm), 12.1 lbs and 14.6 lbs (5.5 kg and 6.6 kg)

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