Epiphan Pearl

Live video production, switching, streaming and recording - at your fingertips

Live event streaming, simplified

Capture 4 HD sources at once

With built-in support for SDI (3G-SDI, HD-SDI, SD-SDI), HDMI™ or 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.

Auto or custom-configure

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

Stream to your viewers

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 4 different 1080p streams at 30 fps – all from one Pearl!

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Watch a 3 minute demo | Ask an expert

Be confident about quality

Live video mixing is available via the touch screen (pictured) or web UI.

Monitor your video

Pearl's touch screen lets you scroll through your channels (also know as video streams) to monitor what's being captured, streamed and recorded by each.

Monitor your audio

Use the front-mounted 3.5 mm audio jack to plug in speakers or headphones for audio monitoring. The touch screen also displays a VU meter to guide decisions regarding audio levels.

Do even more!

Not only does Pearl's screen let you see what's being streamed, you can use it to load saved configuration settings, control recording and switch video layouts in a stream with the touch of a finger. Watch a short demo of Pearl's touch screen.

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Create engaging video streams

Arrange your content into layouts

Use the web UI to arrange your sources into fully configurable layouts. Add pictures, even transparent PNG files as backgrounds, logos or overlays. Optionally add date and time stamping or other text to the layouts.

Switch video sources live!

Use Pearl's touch screen and video mixer capability to preview and change the content in your video stream. Pick from any of the pre-defined layouts you created to keep your audience engaged and show them exactly what is relevant.

Keep your clients happy!

Record a high definition copy of your captured video stream as well as the individual sources so you'll always have what's needed to for professional post-processing. Not only that, but you'll be able to say "Yes!" when a client asks if you happen to have just the slides or just the talking heads from a conference.

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"Pearl takes things to the next level for us! We're extremely excited about Pearl because it reduces cables, connections, and setup time while increasing our product offering and dramatically reducing the time and effort required to bring final end products to our customers."

Read more...

Mr. Michael W. Doane,
President at Source of Knowledge

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Pearl can travel in style...

With a custom carry case

Use Pearl's lightweight, hard-shell custom carry case to protect it while traveling between locations, or while it's not being used. The custom foam tray has room below for storing the power supply, video cables, adapters and more!

... or stay put

On a rack shelf

Pearl has an optional rack-mount tray to secure it to a portable or fixed server rack. The 2U shelf fits standard 19" 2-post and 4-post server racks. Mounting hardware included.

Save time with quick configurations

Save your configuration

Pearl lets you save your current configuration as a preset you can recall later. Save network settings, channel setup and layouts, even streaming settings.

Apply it later

Pre-create presets for all the situations in which you'll do video capture, streaming and recording with Pearl. Use the touch screen or web UI to load a saved configuration when you arrive on location or between events.

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Stream to wherever you want

Stream locally or to set top boxes

Use unicast or multicast to stream locally to up to 50 viewers. Pearl supports a variety of live streaming formats to stream video to media players and web browsers using industry standard streaming formats including HTTP, FLV, ASF, MPEG and HLS. It also provides UPnP and SAP sharing to stream to Smart TVs and set top boxes.

Stream to CDNs

Publish your live video stream to a large audience using an enterprise streaming server or CDN using RTMP and RTSP. Want to use two CDNs or stream to both a CDN and an enterprise server? No problem, duplicate the channel and publish the same stream to both places simultaneously.

Akamai | YouTube | Brightcove

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Get stunning HD video quality

Harness the video encoder power

For maximum compatibility with video players and superb encoding performance, Pearl's default video codec is H.264, backed with hardware-accelerated encoding. You can also choose from MPEG-4 or M-JPEG.

Crystal clear sound, fully synchronized to video

Using incoming signals over the HDMI, SDI or TRS ports, Pearl embeds high quality encoded sound into your video stream. Use the default AAC audio at 320 kbps, or select from AAC, MP3 or PCM audio with stereo or mono with bitrates up from 32 to 320 kbps and sampling at 22 to 48 kHz.

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Maximize value with video recording

Record with or without streaming

Each channel has recording control independent from streaming control – do one do or both simultaneously, your choice. Pearl also has configurable video recorders that group multiple streams together for synchronized recording.

Play your files anywhere

Pearl records in MOV, AVI or MPEG-TS format. You can configure how large or how long the files are before a new file starts, and you can configure the filename prefix too.

Your recordings are safe

With 1 TB of storage, Pearl can hold almost 300 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.

Blackboard | Kaltura open source video | mediasite by sonic foundry | moodle

Pearl integrates easily with content management systems (CMS) and with learning management systems (LMS) such as Blackboard, Kaltura, Mediasite and Moodle.

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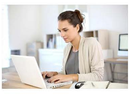
Works with what you already have



Control Pearl remotely

Pearl has a comprehensive remote command set available over HTTP and RS-232 so you can configure and control nearly every aspect remotely.

Find your favorite control interface

You can control Pearl from your desk, on the go or sitting in front of Pearl. Perform the initial configuration through the web UI, but once that's complete you can use the touch screen for quick configuration and live video switching, the tablet web UI for status and recording control, the full web UI or a custom third party app made using our APIs.

Tech Specs

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Which model is for you?

Compare Streaming & Recording Systems

Where to Buy?

Buy Epiphan products from our partners or from our online store.

Online store

Live Demos

Get answers to your pre-purchase questions via a live web demo!

Request a demo

Call Epiphan

Get answers about Epiphan products before you buy.

1-877-599-6581

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