



HELO

Stand-Alone Professional H.264 Streaming & Recording



Stream, Record and Deliver

Stand-Alone Professional H.264 Streaming and Recording Solution

HELO is AJA's H.264 streaming and recording stand-alone appliance.

HELO brings both SDI and HDMI I/O into a single appliance with the ability to simultaneously stream out to your Content Delivery Network (CDN) as well as encode and record beautiful H.264 files to either SD, SDHC or SDXC cards, USB storage or NFS or CIFS, mounted network shares.

To streamline on-site workflows, HELO offers dedicated front panel buttons for recording and streaming. A web browser based UI allows for easy configuration and control.

Simply connect any video device to HELO via 3G-SDI or HDMI and record H.264 files and stream as needed.

HELO opens up a world of new streaming workflows for AV, live events, houses of worship, webcasting, corporate communications, production and post. With the added ability to schedule events on an internal or remote calendar and the availability of network control API, users can set up the HELO for error free operation without the need for manual intervention.

HELO is easy to configure and control, with powerful streaming and recording options, compatible with leading CDN's like Wowza®, YouTube™ and Facebook® Live, all in a compact, robust, and portable device. Professional streaming has never been more effortless.



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Tech Specs

Video Formats

- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60*
- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080i 50, 59.94, 60
- (HD) 720p 50, 59.94, 60
- (SD) 525i, 625i

*2K inputs are center cut to 1080p and are only supported on SDI input

Video Codec Support

- H.264/MPEG-4 Encoder

Video Encoding Parameters

- 100 kbps to 20 Mbps streamed output
- 100 kbps to 20 Mbps recorded output
- Up to 1080p 60
- Supports Baseline, Main and High

Audio Encoding Parameters

- 32 kbps to 256 kbps
- 48 kHz 2-Channel stereo
- MPEG-4 AAC-LC

Protocols

- RTMP, RTSP (10 clients), RTMPE, HTTPS and RTP/UDP Unicast and Multi Unicast

Storage

- 1x USB Slot (USB 2.0 and USB 3.0 media, exFAT or FAT32)
- 1x SD card slot, SD, SDHC, SDXC cards (exFAT)
- Mounted Network Share (CIFS or NFS)

Video Input Digital

- 1x 3G-SDI, SMPTE-259/292/296/424, 10-bit
 - Single Link 4:2:2, 4:4:4 (1x BNC)
- 1x HDMI Standard Type A connector
 - HDMI v1.4a, RGB or YCbCr

Video Output Digital

- 1x 3G-SDI, SMPTE-292/296/424, 10-bit
 - Single Link 4:2:2 or 4:4:4 (1x BNC)
- 1x HDMI Standard Type A connector
 - HDMI v1.4a, RGB or YCbCr

Audio Input Digital

- 2-Channel, 24-bit SDI embedded audio, 48 kHz sample rate, synchronous
- 2-Channel, 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous

Audio Input Analog

- 2-Channel, Analog (Line Level, Unbalanced stereo 1x 3.5mm TRS connector)

Audio Output Digital

- 2-Channel, 24-bit SDI embedded audio, 48 kHz sample rate, synchronous
- 2-Channel, 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous

Audio Output Analog

- 2-Channel, Analog (Line Level, Unbalanced stereo 1x 3.5mm TRS connector)

Network Interface

- 10/100/1000 Ethernet (RJ-45)
- Embedded web server for Configuration and Control
- Regionalized interface support - Korean, Simplified Chinese and Japanese*

* (Future firmware update)

User Interface

- Stream Button
- Record Button
- Web UI
- Simple Web Configuration via AJA eMini-Setup (macOS and Windows)
- Integrated calendar

Control and Automation

- Integrated calendar scheduler
- Support remote ICS calendars
- Scriptable REST control API
- Closed Captioning supported

Size (w x d x h)

- 7.00" x 4.66" x 1.02" (177.8 x 118.37 x 25.91 mm)

Weight

- 0.8 lb (0.4 kg)

Power

- 100-240V, 50/60 Hz Universal Input, +5-20V DC 13W Max

Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)