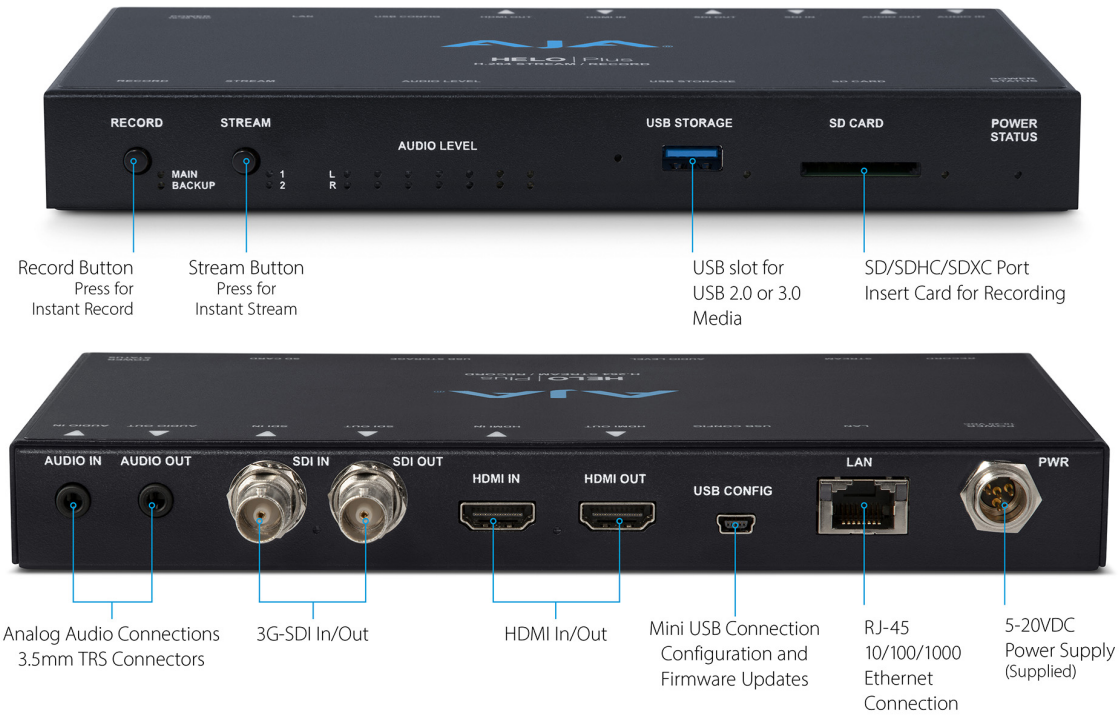
HELO Plus

HELO Plus is a compact, advanced H.264 streaming and recording stand-alone appliance. HELO Plus offers both SDI and HDMI I/O with the capability to stream up to 1080p60 to a Content Delivery Network and record simultaneously. Two separate streaming destinations can be set up, and recordings can be made to a combination of SD card, USB storage, and NFS or SMB network storage. HELO Plus also provides Picture-In-Picture and graphics functionality in hardware for compelling presentations made simple. HELO Plus v.2.0 firmware adds two new features that are optional upgrades with a free trial period, PlayToStream, and 4-channel audio support. PlayToStream offers the opportunity to play a live stream out of one encoder and use the other encoder to playback a pre-recorded stream. 4-channel audio support means you can stream two separate audio pairs via each encode for multi-language support.

HELO Plus offers high quality streaming with ultra-reliable performance for any critical streaming service needs, including eSports, news, sports, education, creator, live events, and beyond.

https://www.aja.com/products/helo-plus

$2,101 US MSRP



Input Video Formats

- (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

Video Codec Support

- H.264/MPEG-4(part 10) Encoder, producing progressive output

Video Encoding Parameters

- 100 kbps to 20 Mbps. Bit rate may be set independently for Encoder 1 and Encoder 2
- Up to 1080p60
- Supports Baseline, Main, and High Profiles

Audio Encoding Parameters

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

Protocols

- RTMP, RTMPS, RTMPT, RTMPE, RTMPTE, RTMPTS, RTSP, HLS RTP-TS/UDP-TS Unicast and Multicast, SRT (caller mode and listener mode). RTSP and HLS client sessions combined limited to a total of 10. RTSP limited to a single server session.

Storage

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

Video Input Digital

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

Video Output Digital

- 1x 3G-SDI, SMPTE-259/292/296/424, 10-bit
- Single Link 4:2:2 (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 (-10dBV 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

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)

- 8.50" x 5.5" x 1.02" (215.9 x 139.7 x 25.91 mm)

Weight

- 1.2 lb (0.52 kg)

Power

- External power supply required
- Enclosure: 12Vdc 4-pin mini XLR
- AC adapter included: 100-240 VAC 50/60 Hz, universal input, 12V– 60W 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)