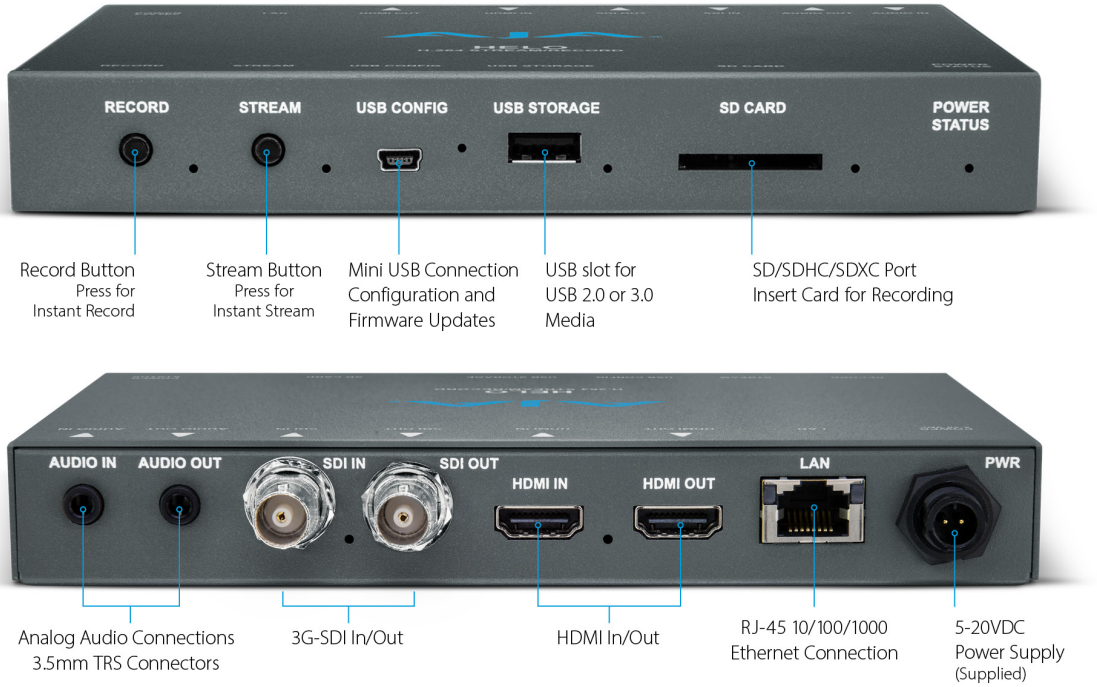



# HELO

$ US MSRP

HELO is AJA's powerful 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 based storage simultaneously.

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



## Video Formats

- (2K) 2048x1080p 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, RTMPS, HTTPS and RTP/UDP Unicast and Multi Unicast

## 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 (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 (-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
- Regionalized interface support - Simplified Chinese

## 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)