HELO

Aegis Electronic Group
www.aegiselect.com

Stream, Record, Deliver
H.264 at the touch of a button

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Stand-Alone Professional H.264 Streaming and Recording Solution

HELO is a cost effective flexible streaming and recording appliance with 1080p 60 capability and the flexibility to be used anywhere, due to its compact size and robust aluminum case.

HELO provides both SDI and HDMI looping inputs, the ability to record to SD cards, USB drives or Network shares, and simultaneously streams across Ethernet to your CDN, for a rich combination of features in a stand-alone solution.

HELO is AJA's new 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 cards, USB storage or network based storage simultaneously.

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.

Small and easily portable, HELO opens up a world of new streaming workflows for AV, live events, houses of worship, webcasting, corporate communications, production and post.

HELO is easy to configure and control, with powerful streaming and recording options, in a compact, robust, and portable device. Professional streaming has never been easier.

** Pricing is for US only. International pricing will vary. Please contact a local AJA Reseller for pricing details.*

For More Information Please Call Aegis Electronic Group, Inc. * (888) 687-6877 Phone * aegis-g2@aegiselect.com * http://www.aegis-elec.com

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Connect

Your projects vary, you need flexible connectivity. HELO delivers with 3G-SDI and HDMI video inputs and outputs.

24-bit audio at 48 kHz embedded in the SDI or HDMI signal ensures you never lose sync, plus Line Level, Unbalanced stereo 3.5mm TRS connectors have you covered.

H.264
MPEG-4/AVC

Encode

Your goal is efficiency with beautiful results.

HELO encodes to H.264/MPEG-4 ensuring bandwidth efficiencies with widely compatible files. From tablets to smartphones, desktops to Smart TVs, no translation necessary.

Stream

Streaming can be complex. HELO makes it simple.

A USB connection and robust web browser based UI allows you to setup and configure your CDN connection before you even arrive at your event. Once there, simply press the Stream button and deliver your project across HELO's Ethernet connection, which allows support for RTP/RTSP, RTMP as well as Unicast.

Record

Live means Now. Live means Pressure.

HELO offers a dedicated Record button right on the front of HELO's small and mobile interface for immediate recording.

Simply plug in your NTFS 3.1 or FAT 32 formatted USB drive, SD card or connected network storage and record immediately.

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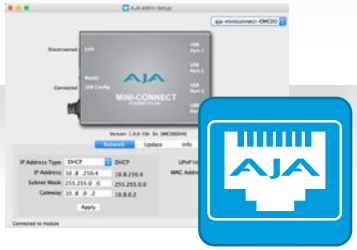

Web Server Built-In

You serve the Web. HELO serves You.

AJA eMini-Setup and HELO's easy to use web browser Interface make HELO simple to setup, configure and update firmware at any time. You can connect to HELO either via its direct USB port to set static/dynamic IP addresses though AJA eMini-Setup software or over the network using HELO's web server generated UI.

Mass Media

Cost effective media choices.

HELO's H.264 based encoding not only ensures beautiful, efficiently sized files, it means your recording medium choices are wide open. Utilize USB thumb sticks, drives and RAIDs, common SD or SDHC media or network shares across a switch. Pick to suit your project.

1080p 60

It's a fast world. Capture it.

1080p 60 is the defacto standard today for delivery for sports, live events, crystal clear video conferencing, webinars and games capture.

From SD to HD 720p and 1080p 60, HELO has you covered.

Small Form Factor

Size matters.

HELO's small and robust form factor is essential for your busy schedule. Live events, webcasts, production and post locations vary and you need a device that can take the heat. HELO is designed to travel well, fit wherever needed and continuously deliver; all with full size connectivity.

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Connections

Record Button
Press for Instant Record

Stream Button
Press for Instant Stream

Mini USB Connection
Configuration and Firmware Updates

USB 2.0 Storage Connection

SD/SDHC Port
Insert Card for Recording

Analog Audio Connections
3.5mm TRS Connectors

HD/SD 3G-SDI In/Out

HDMI v1.4a In/Out

RJ45
10/100/1000
Ethernet Connection

5-20VDC Power Supply
(Supplied)

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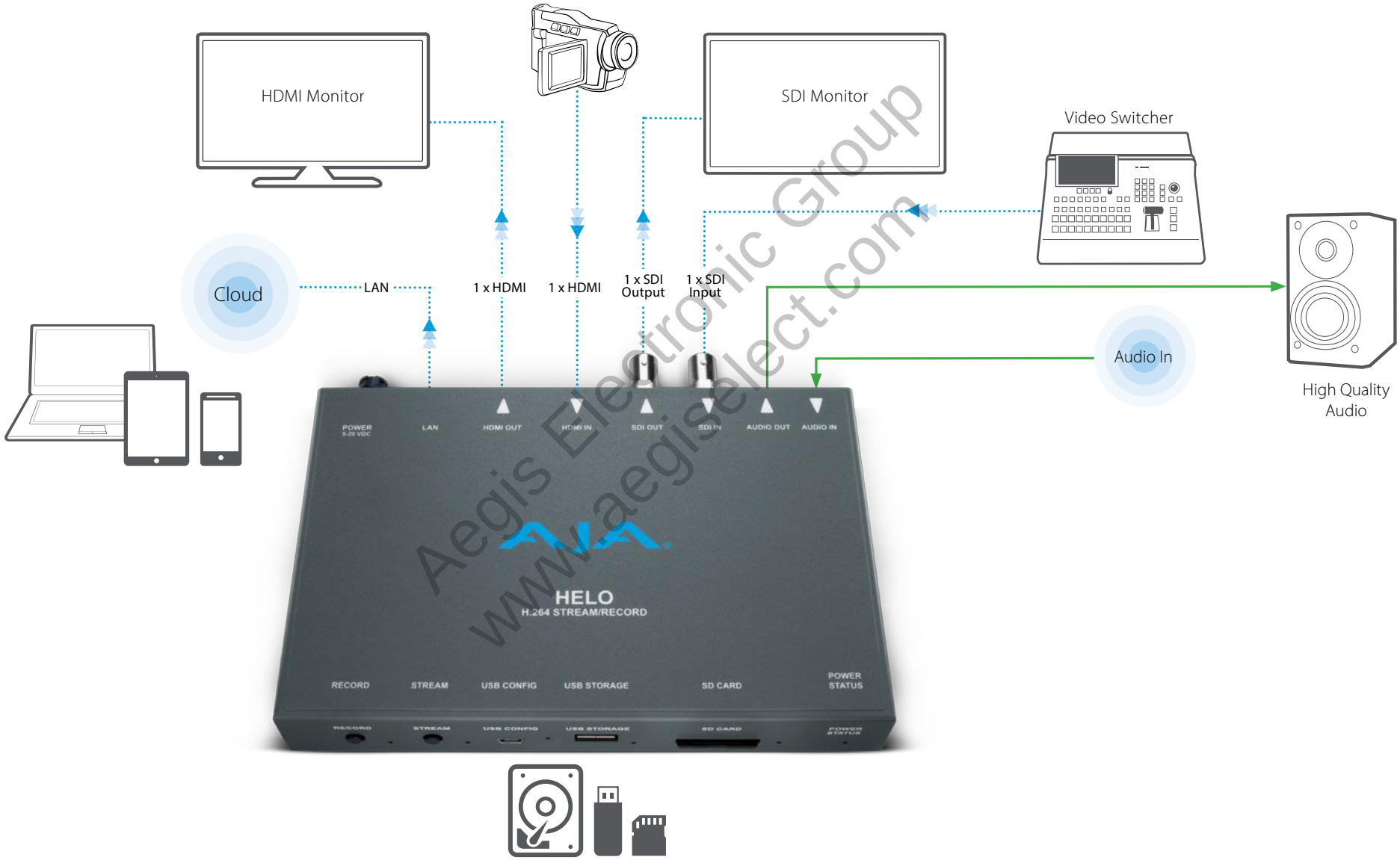
Workflow



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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 25, 29.97, 30
- (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 (TBD) streamed output
- 100 kbps to 20 Mbps (TBD) recorded output
- Up to 1080p 60
- Supports Baseline, Main and High
- 2.0, 3.0, 3.1, 4.0 and 4.1 level support

Audio Encoding Parameters

- 32 kbps to 256 kbps
- 32, 44.1 and 48 kHz 2-Channel stereo
- MPEG-4 AAC-LC

Protocols

- RTMP, RTSP/RTP, Unicast and Multi Unicast (3-10 Clients)

Storage

- 1 x USB 2.0 slot, (Can be NTFS 3.1 or FAT32)
- 1 x SD Card slot, SD and SDHC cards (NTFS 3.1)
- Mounted Network Share

Storage

- 1 x USB 2.0 slot, (Can be NTFS 3.1 or FAT32)
- 1 x SD Card slot, SD and SDHC cards (NTFS 3.1)
- Mounted Network Share

Video Output Digital

- 1 x 3G-SDI, SMPTE-292/296/424, 10-bit
  - Single Link 4:2:2 or 4:4:4 (1 x BNC)
- 1 x 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 1 x 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 1 x 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 Network Configuration via AJA eMini-Setup (OSX and PC)

Size (w x d x h)

- 7.00" x 4.66" x 1.02" (177.8mm x 139.8mm x 25.8mm)

Weight

- 0.8 lb (0.4 kg)

Power

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

Environment

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

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