

AJA Helo

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 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
- 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, (exFAT or FAT32)
- 1 x SD Card slot, SD and SDHC cards (exFAT)
- Mounted Network Share

Video Input Digital

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

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

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