

H.264 HDMI Video Encoder

VIDEO CONVERTERS

Stream 1080p HDMI video from a camera to a media streaming server or internet live broadcast platform (YouTube Live, Facebook Live, etc.) in real time over IP

- Accepts 1080p HD video at 60 frames per second and produces IP streams that can be sent on a standard Ethernet cable.
- Encode the same HDMI video source in two different formats and resolutions - unicast and multicast.
- Supports RTMP, RTSP, UDP, HTTP, HLS, FLV and ONVIF protocols
- Compatible with most Internet live broadcast platforms, such as YouTube Live, Facebook Live, Twitter Live, Twitch, and IBM Upstream.
- Broadcast to SmartTVs using a media streaming sever, such as Wowza, Xtreme Codes, Nginx, etc.
- Easy-to-use HTTP-based web interface.
 - Modify network and video quality settings such as IP address, bit rate, and fps.
- Add text and logos to the video stream.
- Supports 100Base-T Ethernet connection.
- Linux inside.
- Ideal solution for many applications, including:
 - Digital signage
 - IPTV/SmartTV
 - Hotel TV systems
 - Live broadcast
 - Classrooms - teaching online
 - IP video surveillance
 - Video conference



HD-ENC-H264

The H.264 HDMI Video Encoder streams 1080p video from an HDMI video source to a media streaming server (Wowza, Xtreme Codes, Nginx, etc) or online live broadcast platform (YouTube Live, FaceBook Live, IBM Cloud Video (Ustream), etc) over IP in real time. It encodes video using H.264 compression and AAC/MP3 audio.

- **H.264 Encoding & AAC/MP3 Audio Encoding**
- **Compatible with YouTube Live, Facebook Live, Twitter Live, Twitch, IBM Upstream, Wowza, Xtreme Codes, Nginx, & more.**

Specifications

Video

- One female HDMI-A port for source connection.
- Supported resolutions: 720p/1080i/1080p @50/60Hz and below.
- Codec: H.264/AVC High/Main/Baseline
- Bit rate: 0.1 to 32 Mbps, adjustable
 - Bit rate control: VBR.CBR
- Frames per second: 5 to 60 FPS

Audio

- HDMI embedded audio.
- Sample rates: 44.1 kHz, 48.0 kHz
- Codec: AAC/AAC+/AAC++/MP3
- Bit rate: 0.1 to 32 Mbps, adjustable

Ethernet Port

- One female RJ45 connector.
- 100 Base-T Ethernet interface.

Protocols

- HTTP, HLS, FLV, RTSP, UDP, RTMP, ONVIF
 - ONVIF: G.711

Dimensions

- WxDxH: 5.16x6.57x1.14 in (131x167x29

Power

- Input: 110 or 240 VAC at 50 or 60 Hz via AC adapter (US AC adapter included).
 - Optional universal power plug adapters available (not included).
- Output: 12VDC, 1A

Environmental

- Operating temperature: 32 to 104°F (0 to 40°C).
- Storage temperature: -4 to 158°F (-20 to 70°C).
- Operating and storage relative humidity: 5 to 90% non-condensing RH.

Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years.

Cables

- Use HD-xx-MM cable to connect an HDMI video source (not included).
- Use CAT5e/6 solid or stranded straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors (not included).

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Configuration and Cable Illustration

