

**TYPE: SP-EH901****Technical Specification of SP-EH901****Description:**

The H.265 HDMI video encoder is our professional HD audio and video encoding device with powerful functionality. It is equipped with 1 channel HDMI & Audio input and 1ch HDMI output, supporting H.265 and H.264 encoding format and four video streaming output, which is streaming by HTTP, RTSP, UDP /RTP, RTMP, RTMPS, SRT, ONVIF, HLS, FLV. HDMI max resolution is 1080p@60fps, and output stream resolution can up to 1080p@60fps for the mainstream, 720@60fps for the main and 2nd stream, etc.,

Support POE power supply, OLED real-time display to ensure uninterrupted video streaming.

Its high integration and cost-effective design make this device widely used in the variety of field such as CATV digital head-end, hotel IPTV system, live streaming broadcast, streaming media server etc. Also, the encoder works with the online live broadcast platform, such as YouTube, Ustream, Twitter, WOWZA, Facebook Live, etc.

Not only single channel, we also produce multichannel HDMI video encoder which is packed with 1U /3U box. For 3U rack, support max 16pcs encoder cards to be installed.

Properties :

- ◆ OLED display IP address, resolution and working status
- ◆ Support 1 channel HDMI loop output
- ◆ Support Digital audio/Analog audio loop out
- ◆ Support 4 streams output at the same time
- ◆ No need to access video, audio can be coded separately
- ◆ POE power supply (Optional)
- ◆ support H.265 and H.264
- ◆ support AAC / G.711 Advanced Audio Coding format quality
- ◆ 1000M network interface uses full duplex mode
- ◆ mainstream and secondary stream can be pushed to the different server



- ◆ Supports up to 720P, 1080P @ 30/60HZ HD video input
- ◆ Support image parameter settings
- ◆ support HDCP protocol and Blu-ray
- ◆ support HTTP, UTP, RTSP, RTMP, RTMPS, SRT, RTP, ONVIF protocol
- ◆ the mainstream and side stream use the different network protocol for transmission
- ◆ WEB interface, English, and Chinese is optional for configuration interface
- ◆ WEB interface management authority
- ◆ Support remote management in WAN(WEB)
- ◆ Support resolution customized settings
- ◆ Support one key to restoring the factory configuration
- ◆ Support SDK, secondary development

Specifications:

Model	SP-EH901
Video	
Input interface	1×HDMI (Support HDMI1.4 and HDCP1.4)
Support resolution	1080P\1080i\720P 、 1600x1200\1400x1050\1440x900\1280x1024\1280x960\1280x800\1024x768\800x600 etc.
Frame rate	30/60 frame
Output interface	1×Ethernet port (RJ45), 1×HDMI (Support HDMI1.4 and HDCP1.4)
Video encoding	H.265/H.264
Code Rate control	16kbps- 12Mbps
Code Rate	CBR/VBR
Audio	
Input interface	1×External audio, HDMI built-in Audio
Output interface	1×External audio
Audio encoding	ACC, MP3
Sampling rate	Auto
Bit-rate Option	32k,44.1K,48K,64K,96K,128K,160K,192K,384K
Sampling Accuracy	24 Bit
Audio Data-rate	64Kb/s to 384Kb/s
Network	
RJ45	1000M Ethernet port
Program streaming	HTTP, RTSP, RTMP, RTMPS, SRT, HLS, FLV, ONVIF(UDP/RTP)
Control Panel	Web panel (Language is English), remote upgrade



Firmware Update	Enable by uploading files to the dashboard
General	
Dimension(W*L*H)	6.4*4.4*1.3in(163*111*32mm)
Gross Weight	0.35kg
Temperature	0 ~ 45℃ (for working) , -20~60℃ (for storing)
Humidity	<90%, non-condensing
Input Voltage	DC 12V/1A
Power Consumption	5W



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