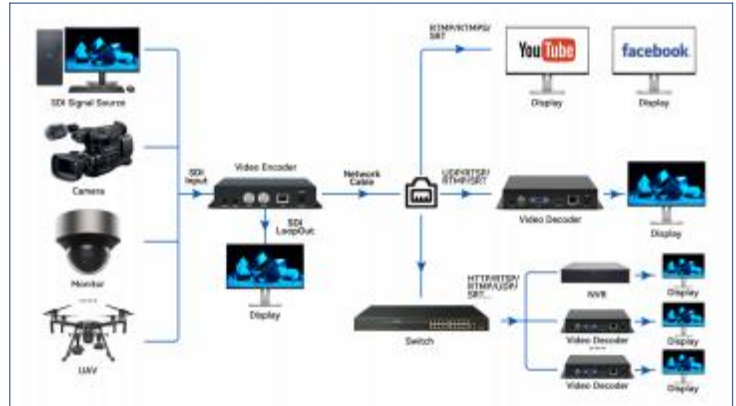# H.265 SDI Video Encoder with OLD Display
—— HPS901

HPS901 is a professional hardware video and audio encoder. Which designed to meet the HD/1080P@60 Video transmission applications. It supports H.265 (HEVC)/H.264 high-performance encoding. Also, it supports the most protocols including HTTP/SRT/RTMP/RTMPS/HLS/ UDP/RTSP/Onvif, etc.

It's 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.

Front	back

1080P 60HZ	HD/3D/ SD-SDI	H265 H264	DC/POE	Audio Encoding

Products Features

- Support H.265/H.264 /MJPEG encoding
- Support 1X SDI Input and loop-out
- Support Digital audio/Analog audio loop out
- Support HTTP/HTTPS/RTSP/RTMP/RTMPS/SRT/UDP/RTP/FLS/FLV/Onvif protocol
- Support output video stream format: TS/VES/AES stream, etc.
- LCD display device name, IP address resolution and working status
- Support up to 1080P@60 resolution input and output
- Support 4 channels streams output at the same time
- Support audio encoding without the video input
- Support MP3/AAC/G.711 Advanced Audio Coding format quality
- 1000M network interface uses full duplex mode, LAN and WAN transmission
- Support POE power supply(optional)
- Support SDK secondary development
- Support network remote management and upgrade
- Support to be packed with 1U and 3U Rack(1~16channels video input)
- Applied in Live broadcast, IPTV system, elevator advertising player, online courses, broadcast meeting
- 7*24h Working
- OEM&ODM

⚠ Note:
1. The device is powered by DC power by default, POE power need to be noted before the order with us.
2. Support software remote upgrade

Specifications

Model	HPS901
Video	
Input interface	1×SDI
Support resolution	1920*1080,1280*720,1280*800,1280*768,1024*768,1024*576, 960*540,850*480,800*600,720*576,720*540,720*480, 720*404,704*576,640*480,640*360,480*270,Auto
Frame rate	5-60hz
Output interface	1×Ethernet port (RJ45), 1×SDI Loop-out
Video encoding	H.265&H.264/MJPEG
Max bitrate	16kbps- 20Mbps
Rate control	CBR/VBR
Audio	
Input interface	1×External audio, SDI built-in Audio
Output interface	1×External audio
Audio encoding	ACC, G711
Audio Encoder type:	AACLC,EAAC,EAACPLUS
Bit-rate Option	48K,64K,96K,128K,160K,192K 256K
Sampling Accuracy	24 Bit
Audio Data-rate	64Kb/s to 384Kb/s
Network	
RJ45	1000M Ethernet port
Program streaming	HTTP, RTSP, RTMP/RTMPS, SRT, GB28181, HLS, FLV, ONVIF, Multicast: 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