

HP8114 SDI HD encoder



Product Description

HP8114SDI HD encoder is a professional high-definition audio and video encoding product, which supports 1-channel HD or 1-channel SDI audio and video, 1 channel 3.5MM independent audio interface with capture function , with SDI input and SDI output function . Dual-stream H.264 encoded output format, audio MP3 / AAC/G711 output format. The code rate can be adjusted, the picture quality can be controlled. Support SRT/ HTTP / RTSP / RTP / RTMP / UDP / ONVIF / HLS transport protocols etc.

It is easy to install, plug-play, and there is no computer hardware compatibility issues.

Key features

- The embedded hardware encoding
- Support H.264 BASELINE PROFILE / MAIN PROFILE / HIGH PROFILE
- Support multiple devices display on a computer at the same time
- Support network directly connected, don't need match HD collection card.
- Rate Control CBR / VBR 16KBIT / S ~ 12MBIT / S
- The network interface uses a 1000M full duplex mode
- 1 channel SDI input, 1 channel 3.5MM independent audio interface
input, support HDMI / VGA / CVBS convert to SDI input, support audio gain
- Support SDI input and support up to 720P, 1080P HD video input
- Support RTSP/RTP/RTMP/HTTP/UDP/ONVIF/HLS/SRT unicast and multicast protocol
(RTMP support adding users and passwords changing) Support DHCP protocol, ONVIF protocol, support Blue-ray
- Compatible with Wowza/FMS/ZTE/Youtube /RED5/streaming media server etc, work in with streaming media server to push the streaming , to achieve a live streaming
- Support Main TS stream and the sub TS stream use in different network protocols for transmission (Multi-rate multi-protocol support)
- Rate Control CBR / VBR 16KBIT / S ~ 12MBIT / S
- Video packaging: A mode: FFMPEG, B mode: VLC
- Support streaming resolution output settings custom
- Transmission: TCP, UDP, 1000M (RJ45 Duplex network port)
- Support streaming add watermark (OSD), XY axis, the font can be set;
- Support WEB access in Chinese/English, passwords changing, WAN remote management (WEB)
- Support DHCP gaining IP automatic ,support One-key recovery, upgrade and remote maintenance
- Image settings: contrast ratio, brightness, tones, saturation, noise detection, sharpness, filtering
- Support build-in or external methods , support left and right sound channel , Support audio gain ,be able to turn volume individually
- Support coding without video signal;

- Complete the setting effect immediately, don't need to restart
- Support one-key recovery of the default configuration
- Support set-top box decoder
- The low power consumption design

Specification

Product model	HP8114SDI HD encoder	
Input	1 channel SDI input,1 channel 3.5 audio input	
Output	1 channel IP signal output	
Video	Input resolution	1920x1080p/1920x1080i/1280x720p/720*576i/640*480i And other conventional resolution
	Coding standard	H.264
	Coding level	H.264 BASELINE PROFILE H.264 MAIN PROFILE H.264 HIGH PROFILE
	Encoded size	640*360~1920*1080 (Can customize)
	Video bit rate	Rate control: CBR/VBR 16KBIT/S~12MBIT/S
	Video frame rate	30/60
	OSD	Character ,images
Audio	Input selection	1 channel embedded audio SDI, 1 channel 3.5MM independent audio support audio gain
	Audio coding	AAC/MP3/G711
	Audio bit rate	64Kb/s~384Kb/s
	Sampling rate	32000、44100 ,48000etc
IP output	1 RJ 100M / 1000M adaptive Ethernet port, TS stream standard, dual-stream, ONVIF protocol	
System	Network protocol	Supports HTTP, RTSP, RTMP, UDP,HLS,SRT multicast, unicast
	Configuration management	Support IE configuration, remote upgrade
The common use	Power supply	12V~2A
	power consumption	5W
	Size	146mm * 122mm * 42mm(length*width*height)
	Operating temperature	-20℃ + 60℃
	Working humidity	<90%, Non-condensing
	Weight	0.3KG

Our company reserves the right to adjust the product parameters, if you have any questions please contact us to check