

Name: 1channel SDI HD Encoder
Model: MV-1U4S01



Technical Description

MV-1U4S01 SDI HD encoder is a professional audio and video encoding product, which supports 1-channel HD or 1-channel Standard-definition SDI audio and video capture function, 1-channel 3.5MM independent audio input ,with SDI loop out ,dual-stream H.264 encoded format output, audio MP3/AAC format output. The code rate is adjustable, and the picture quality can be controlled. The device supports HTTP / RTSP / RTP / RTMP / UDP transport protocols.It is easy to install, plug-play, and there is no computer hardware compatibility issue

Key features

- Support H.264 BASELINE PROFILE / MAIN PROFILE/ HIGH PROFILE
- Support network directly connected, don't need match HD collection card.
- Network interface: 1000M full duplex mode
- Support 1-channel SDI input, 1-channel 3.5MM independent audio input
1channel SDI loop out
- Support the independent external audio input, Support audio gain, be able to turn volume individually
- Support SDI input and support up to 720p, 1080p HD video input
- Support RTSP/RTP/RTMP/HTTP/UDP unicast and multicast protocol (RTMP support adding users and changing passwords), Support DHCP/, ONVIF protocol, support HD Blue ray
- Compatible with Wowza/FMS/RED5 streaming media server, work in with streaming media server to push the streaming, to achieve a live streaming
- Support Main TS stream and the sub TS stream
 - Rate Control: CBR / VBR
- Video packaging: A mode: FFMPEG, B mode: VLC
- Transmission: TCP, UDP, 1000M (RJ45 Duplex network port)
- Support streaming add watermark (OSD), XY axis, the font can be set;
- Support WEB access in 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 coding without video signal
- complete the setting effect immediately, don't need to restart
- Support set-top box decoder
- Default ip:** 192.168.1.168, login **id:** admin, login **password:** - admin
- Device show yellow light when RTMP enable.

Specification

Product model	MV-1U4S01 1-channel SDI HD encoder	
Input	1-channel SDI input, 1-channel 3.5MM independent audio input	
Output	1-channel IP signal/SDI loop out	
Video	Input resolution	1920x1080p/1920x1080i/1280x720p/720*576i/640*480i etc.
	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
Audio	Input selection	1-channel embedded audio SDI, 1-channel 3.5MM independent audio Support audio gain
	Audio coding	AAC/MP3
	Audio bit rate	64Kb/s~384Kb/s
	Sampling rate	32000、44100 ,48000etc
IP output	1 pcs RJ 100M / 1000M adaptive Ethernet port, TS stream standard, dual-stream, ONVIF protocol	
System	Network protocol	HTTP, RTSP, RTMP, UDP, multicast, unicast
	Configuration management	Support IE configuration, remote upgrade
The common use	Power supply	AC 110~220V
	power consumption	12W
	Size	430mm * 250mm *45mm(length*width*height)
	Operating temperature	-20°C+ 60°C
	Working humidity	<90%, Non-condensing
	Weight	3KG
Mvcast reserves the right to adjust the product parameters, if you have any questions please contact us to check		