Product Manual

H.265/H.264 HDMI Encoder 1080P

Enjoy the vivid world!

Dear customer:

Thank you for purchasing this product. For optimum performance and safety, please read this instruction carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

This HDMI H.265 video encoder is equipped with 1 channel HDMI and 1 channels stereo audio(3.5mm) input supporting HEVC /H.265 or H.264 /AVC high profile /main profile /baseline profile video coding format and AAC or MP3 audio coding format and four video streamings output simultaneously, which is streaming by HTTP, RTSP, UDP /RTP, RTMP, ONVIF, HLS, FLV. Its high integration and cost-effective design make this device widely used in variety of field such as CATV digital head-end, hotel IPTV system, live streaming broadcast, streaming media server etc. Also the encoder works with online live broadcast platform, such as YouTube, Ustream, Twitter, Facebook, etc.

Features:

1. Embedded HiLinux System, stable and effective.
2. Support H.264/265 /AVC baseline /main /high profile encoding
3. Support HDMI embedded audio or external audio optional from output video streaming
4. Support image, logo, text parameter settings on the output video streamings
5. Support English WEB operating interface and language customizable
6. Support output video streaming resolution setting
7. Support SDK and API for secondary development
8. Less than 200ms time delay for core chip processing
9. Network interface full-duplex mode with 1000M speed
10. Support HDCP and HD blue-ray
11. A wide area network remote management (Web control panel)
12. A click to restore the default configuration
13. Stable and effective, support 7 x 24h working time

Specifications:

Specifications		Parameter
Audio and video input	Video input	1 channels HDMI
	Audio input	1 channel HDMI built-in audio
	Audio input	1 channel 3.5mm audio
Video coding	Coding type	H.265/H.264
	Coded frame rate	5-60 Adjustable
	Key frame interval (frame)	5-300 Adjustable
	Bit rate (kbit)	32-32000 Adjustable
	Input resolution	1920x1200/1920x1080/1680x1056/1280x720/1024x768/1024x576/850x480/720x576/720x540/720x480/720x404/704x576/640x480/640x360/608x448/544x480/480x480/480x384/480x360/480x320/480x272/480x270/400x320/400x224/352x480/352x228/320x256/320x240/320x180/240x180/176x144
	Coding resolution	1920x1200/1920x1080/1680x1056/1280x720/1024x768/1024x576/850x480/720x576/720x540/720x480/720x404/704x576/640x480/640x360/608x448/544x480/480x480/480x384/480x360/480x320/480x272/480x270/400x320/400x224/352x480/352x228/320x256/320x240/320x180/240x180/176x144
	Code stream control	CBR/VBR Optional
	Flow	Support one main stream and 3 channels sub stream
	Flow protocol	RTMP/ RTSP /HTTP TS/HTTP FLV/HLS/SRT /UDP Multicast/RTP Multicast
Audio coding	Audio input	Digital / analog / hybrid
	Coded sample rate	44100/48000 Optional
	Coding method	AAC/AAC+/AAC++/MP3/MP2/AC3 Optional
	Coding bit rate	AAC:48000-256000 Adjustable/AAC+:24000-48000 Adjustable/ AAC++:12000-32000 Adjustable/MP3:64000-320000 Adjustable/ MP2: 64000-320000 Adjustable/ AC3:40000-640000 Adjustable
	Digital volume	-50~50Adjustable
	RTSP stream use G711A code	Disable/enable optional
OSD	transparency	0-128 Adjustable
	Types	Text/picture/scroll text
	region	4 areas available
	X coordinate	0-1920
	Y coordinate	0-1080
	LOGO	Upload 4 LOGO options
	font size	8-72
	Background color	Transparent / white / black
	font color	RGB color optional
Others	Network	1000 Mbit/s full-duplex
	Configuration management	Configuration management through WEB
	ONVIF	Support ONVIF to browsing videos
	Power	12V/DC,2A
	Power consumption	<3W
	Operating temperature	-20℃+60℃
	Working humidity	<90%,No condensation
	Size	15.5X10X3.2mm
	Weight	638g

Packaging content:
1. H.265 HDMI encoder 1080P   x1
2. User Manual   x1
3. Power Adapter   x1

Safety Precautions:

- **Do not expose this product to water source or an environment that has excessive moisture.**

- **Do not operate the product when hands are wet.**
- **Place this product on a flat surface and keep it out of reach of children.**
- **Please turn the power off when it is not in use for an extended period of time.**

- **Do not attempt to dismantle the product on your own.**
- **Please use the power adapter provided.**

Troubleshooting guide:

Before power on, please check the connection line carefully. And make sure that all interfaces are correctly connected.

The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	No Picture	1、 Make sure that the TV is on and has been connected with the switcher. 2、 Check if the signal sources are on and well connected. 3、 Check the system connection quality. 4、 Check the cable quality
2	Obscure Picture	1、 Try again to connect the cable to be free from the unsuccessful connection. 2、 Check HDMI Cable Quality
3	Remote not working	1、 Check if the film in rear of the remote control is taken out 2、 Check if the battery in remote is full.

Recycling the Product:

To dispose this product properly, please follow the recycling process regulations in your area.