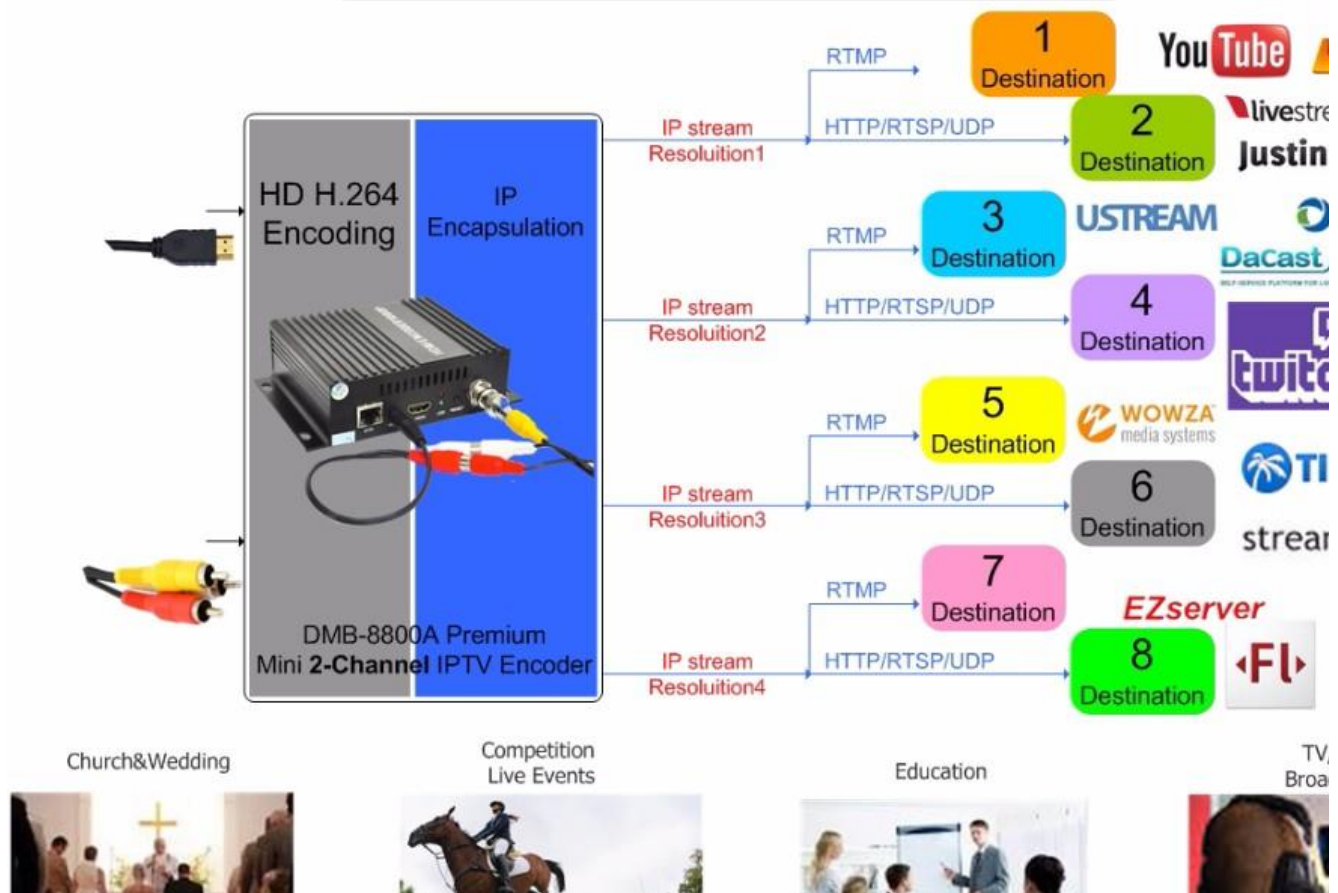


HDMI A/V to IPTV Streaming Server



Product Description

RTMP Encoder Feature

- Support 1 channel HDMI input+1 channel CVBS
- Support up to 720P, 1080P HD video input
- Support image parameter settings
- Support HDCP protocol
- Support streaming resolution settings
- Supports MP3 and AAC audio format selection
- Support audio output mono and stereo stream switching
- Support GOP frame rate settings
- Support a click to restore the default configuration
- Support STB decoding
- Support Main TS stream and the sub TS stream can use different network protocols for transmission (Multi-rate multi-protocol support)
- System supports WINDOWS XP/ISTA/SERVER2003/SERVER2008/WIN7 32 and WIN764, LINUX Diversified input interface of Audio & Video.
- Support multiple equipments display at the same time on a computer
- Support network directly connected, don't need match HD collection card.
- Providing RTSP/RTP/HTTP/RTMP/UDP protocol
- Support Dual TS.
- Support H.264 Main Profile/H.264 High Profile and AAC audio.
- Web control interface
- Comply with CBR/VBR 16KBIT/S~40MBIT/S standard
- Power less than 6W, low power watts designing.
- Support Network interface full-duplex mode 1000M

Specification RTMP Video Encoder

VIDEO SPECIFICATION	
Video	Video compression: H.264/AVC High Profile Level 4.0 Video inputs: Video inputs: HDMI(support HDCP protocol),CVBS Analog video input mode: PAL, NTSC Resolution: 1920x1080,1680x1056,1280x720,1024x576,850x480,720x576,720x540,720x480,720x404,704x576,640x480,640x360,800x450,720 Bit-rate: 0.8 ~ 12Mbps, CBR/VBR Video pre-processing: De-interlacing, Noise reduction, Sharpen
AUDIO SPECIFICATION	
Audio	Audio compression: AAC, MP3 Sampling rate: Adaptive, output sample rate optional Sampling accuracy: 24-bit Bit Rate: 32K,44.1K,48K,64K,96K,128k,160K,192K Encoding bit rate: 64 ~ 384Kbps
OUTPUTS	
IP output	Transport protocol: TS over IP output, HTTP/RTMP/RTSP/HTTP/UDP protocol For HDMI to IP output, 4 channels TS over IP stream out HTTP/RTMP/RTSP/HTTP/UDP protocol(2 channels for higher resolution for large screen application, 2 channels for lower resolution for small screen application) For CVBS to IP output, 2 channels TS over IP stream out HTTP/RTMP/RTSP/HTTP/UDP protocol, two different resolution: one higher (for large screen), one lower (for small screen).
GENERAL OPTIONS	
System	Protocols: HTTP,UDP,RTSP,RTMP,ONVIF Configuration Interface: Web operation Upgraded: Can be via network for software upgraded. Connector: RJ45, 1000M Ethernet interface.

	Voltage: 12V DC
	Consumption: 5W
Physical	Operating temperature: 0~50°C
and	Dimensions: 170mm(W)*130mm(D)*33mm(H)(for 3U, mini type will be more small)
power	Weight: 0.5Kg/pc

Overview of RTMP Video Encoder

DMB-8800A PLUS HDMI HD IPTV Mini 2 Channels Real-Time Multi-protocol IP HD Wowza IPTV Encoder, compare with DMB-8800A, the most outstanding advantage of DMB-8800A PLUS is support the HDMI, CVBS (AV) and audio input working at the same time . It can output 6 channels stream by TS over IP transmission.

For HDMI input, Output support 2 kinds of protocol meanwhile (choose them from the menu configuration), there are two different resolution (one higher, one lower) TS stream output for every protocol. So total 4 channels IP streams with different resolution, two higher ones for big screen application, and two lower ones for small screen application. The lower one resolution up to D1(PAL:720*576,NTSC:720*480). For CVBS input, it can support output one IP stream protocol with 2 different resolutions for different terminal screen, the highest one up to D1. DMB-8800A PLUS adopting the most advanced hardware coding scheme technology, support flexible setting multiple different resolution for the application of multi-screen user(iPhone/iPad/computer/different size TVs/other mobile device).

DMB-8800A PLUS features high performance, low latency and low bit rates for IPTV/OTT systems, realized Video & Audio real-time transmission via internet, and adopts state-of-the-art compression technology of H.264/AVC, which realizes its resolution to be up to 1080P. With powerful video pre-compression and efficient adaptive video compression algorithm, it is able to provide clear-delicate, high quality video even at lower bit rate. DMB-8800A PLUS can support 1*HDMI capture function and 1*CVBS input working at the same time, then output up to 6 TS over IP in H.264 format and audio AAC format with different resolution and protocol, can be freely adjusted according to your needs. With high integration, cost-effective, support RTSP/RTP/HTTP/RTMP/UDP/ONVIF protocol which can be transmitted TS over IP to such as Wowza server, FMS server, EZ server etc.

DMB-8800A PLUS can provide the fully functional second development package, which can be applied to education, health care, IPTV, conference, remote education, news interview, court, public security, banking, transportation and other industry application.

Diagrams of RTMP Video Encoder

