



OVERVIEW

In a fast changing and highly competitive TV market, operators and TV service providers must deliver access to content on all screens, anytime, anywhere, while also reducing complexity and driving efficiency across all platforms.

Digicast multiscreen multiprotocol series IPTV Encoder are designed to address the increasing demand for video delivery to Internet and mobile devices. DMB-8904A-EC Classic H.264/H.265 HD 4 Channel IPTV Encoder supports audio and video collection by 4-Ch HD HDMI input. For HDM input, each channel of HDMI input supports output 4 groups IP streams with four different resolution (up to 2 channels 4K@30 FPS or 4 channels 1080p) and four different bitrates to meet different size screen and different bandwidth condition. Each group of IP stream supports kinds of main protocols output (HLS,RTMP(S),HTTP,RTSP,UDP,SRT,),this enable Encoder to deliver H.264/H.265 IP streams by independent IP output to various servers for IPTV & OTT application. Such as Facebook Server, YouTube Server, Ustream Server, Adobe Flash Server, Wowza Media Server, Windows Media Server and some other servers based on HLS/UDP/RTSP/RTMP/HTTP/ONVIF protocols. Moreover, providing username, password matching function which required from destination server, to avoid the streaming which do not authorized.

DMB-8904A-EC Classic is suitable for professional broadcast level IPTV&OTT system construction, hospitality IPTV application, Remote HD multi-window video conference, Remote HD education and Remote HD medical treatment etc.

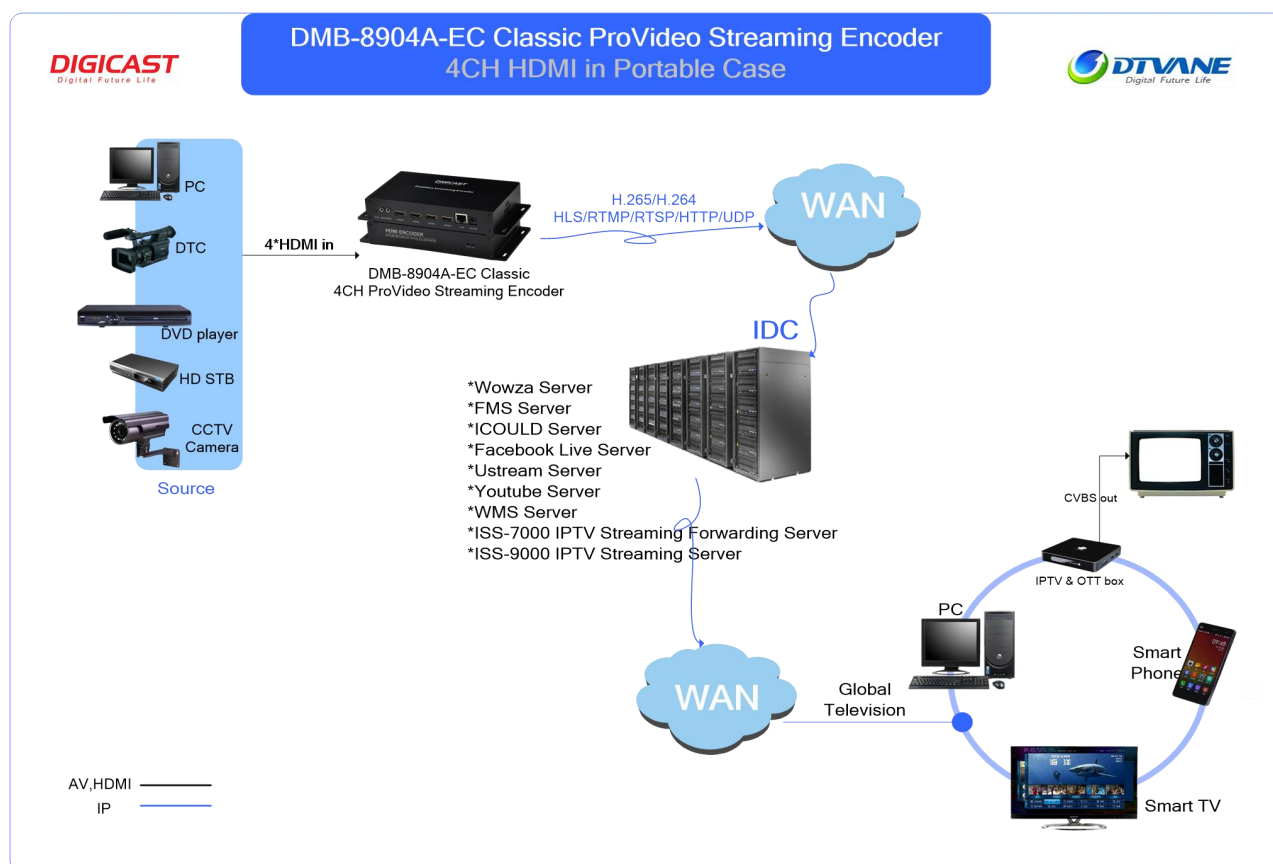
FEATURES

- Video Input: 4-Channel HDMI work simultaneously
- Video Compression: HD H.265/H.264/MPEG-4 AVC, up to 2 channels 4K@30 FPS or 4 channels **1080P@60fps**
- Dolby **AC3** audio compression
- Support H.265/H.264 High/Main/Baseline Profile and AC3, AAC, MP3, MP2 audio compression
- All protocols (HLS, RTMP, HTTP, RTSP, UDP) can be working simultaneously
- Support output up to **4 groups** TS over IP streams with **4 different resolutions** and **4 different bitrates** by each HDMI channel input
- Having 2*Jack(3.5mm) and 4*HDMI embedded audio input
- Support RTMP User name and Pass word for authentication of IPTV Server
- Capable of OSD settings for logo, text and Scroll Caption; Adjustable of audio gain;
- Bitrate mode: CBR/VBR
- Capable of image parameter settings
- Configurable of Multi-Screen, Multi-Protocol, Low bitrate with high quality image.
- **Any iOS browsers (iPhone, iPad, MacBook etc.) can have streams from IPTV Streaming Encoder in Anytime, Anywhere by HLS protocol without install any software players.**
- **Any terminal devices/decoders can have streams from IPTV Streaming Encoder directly by RTMP protocol with software players (such as VLC).**
- Support **HDCP** protocol
- Support ONVIF Network Video Protocol
- Support multiple equipment display at the same time on a computer
- System supports WINDOWS XP/VISTA/SERVER2003/SERVER2008/WIN7 32 and WIN7 64, LINUX
- Web-based management.
- Full-duplex mode 1000M

APPLICATIONS

- IPTV & OTT system

- Internet TV
- Digital Signage Project
- Remote Video Conference
- Video Monitoring
- Live Streaming
- Digital TV Broadcasting System
- Digital TV Programs Transmission
- Hotel IPTV System



SPECIFICATIONS

VIDEO Encoding

- Video compression: H.265/H.264/AVC High/Main/Baseline Profile Level 4.0
- Frame rate: up to 60fps
- Video input: 4*HDMI (HDCP protocol)

Resolution:

Main stream:

1920x1080,1680x1056,1280x720,1024x576,850x480,720x576,720x540,720x480,
720x404,704x576,640x480,640x360 auto.

Second Stream:

1920x1080,1680x1056,1280x720,1024x576,850x480,720x576,720x540,720x480,
720x404,704x576,640x480,640x360 auto.

Third Stream:

720x576,720x540,720x480,720x404,704x576,640x480,
640x300,352X288,320X240,320X180 auto.

Fourth Stream:

720x576,720x540,720x480,720x404,704x576,640x480,
640x300,352X288,320X240,320X180 auto.

- Bit-rate: 16kbps~12Mbps, CBR/VBR
- Video pre-processing: Noise reduction, Sharpen, Filtering

AUDIO Encoding

- Audio compression: **AC3**, AAC,AAC+,AAC++,MP3,MP2
- Audio input: 4*HDMI embedded + 2*3.5mm
- Sampling accuracy: 24-bit
- Bit Rate: 48kbps~320kbps
- Sample-rate: 44.1KHz, 48KHz

IP Streaming output

- Transport protocol: TS over IP output,SRT, HLS, RTSP, HTTP, UDP and RTMP protocol

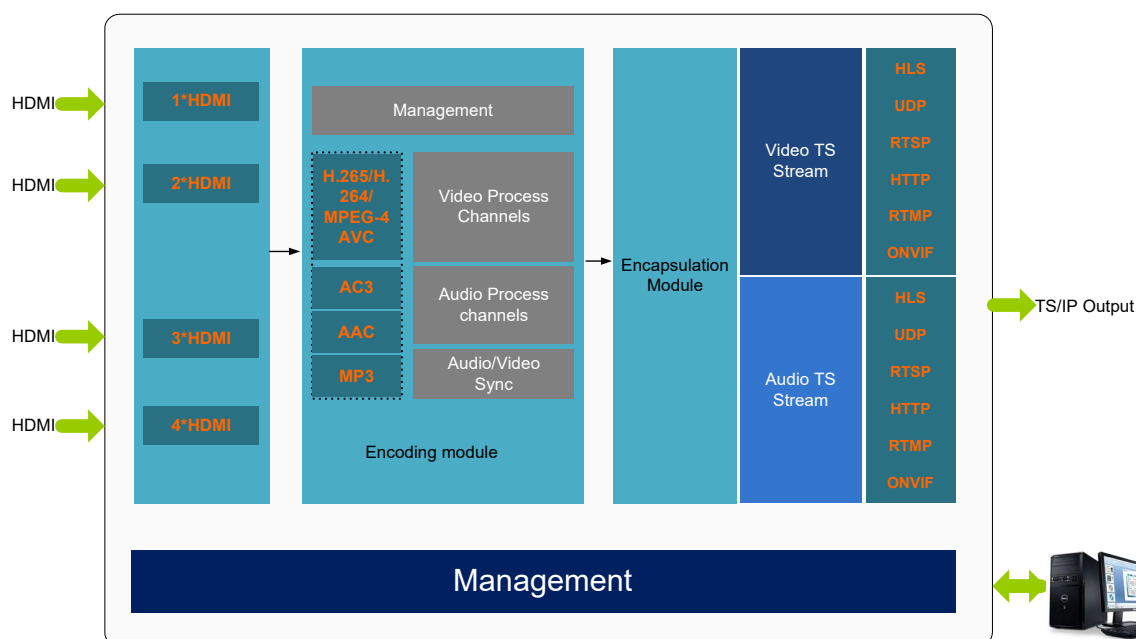
- Connector: RJ45, 1000M

GENERAL OPTIONS

Physical and Power

- Voltage: 12V DC
- Consumption: less than 20W.
- Operating temperature: 0~45°C(operation), -20~65°C(storage)
- Dimensions: 175mm(W)*112mm(D)*60mm(H)
- Weight: 0.9Kg/pc

DIAGRAM



Should you have any questions, please don't hesitate to contact with us.