



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-8908A-EC H.265/H.264 HD 8 Channel IPTV Encoder supports HD/SD audio and video collection by 8-Ch HD HDMI input. For HDM input, each channel of HDMI input supports output 2 groups IP streams with two different resolution and two different bitrates to meet different size screen and different bandwidth condition. Each group of IP stream supports kinds of main protocols output (HLS, RTMP, HTTP, RTSP, UDP), this enable Encoder to deliver H.265/H.264 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 does not authorized.

DMB-8908A-EC 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, Organizations, Conferences, Worship, Agencies, TV & Radio, Sports, Government, Education, Music etc.

FEATURES

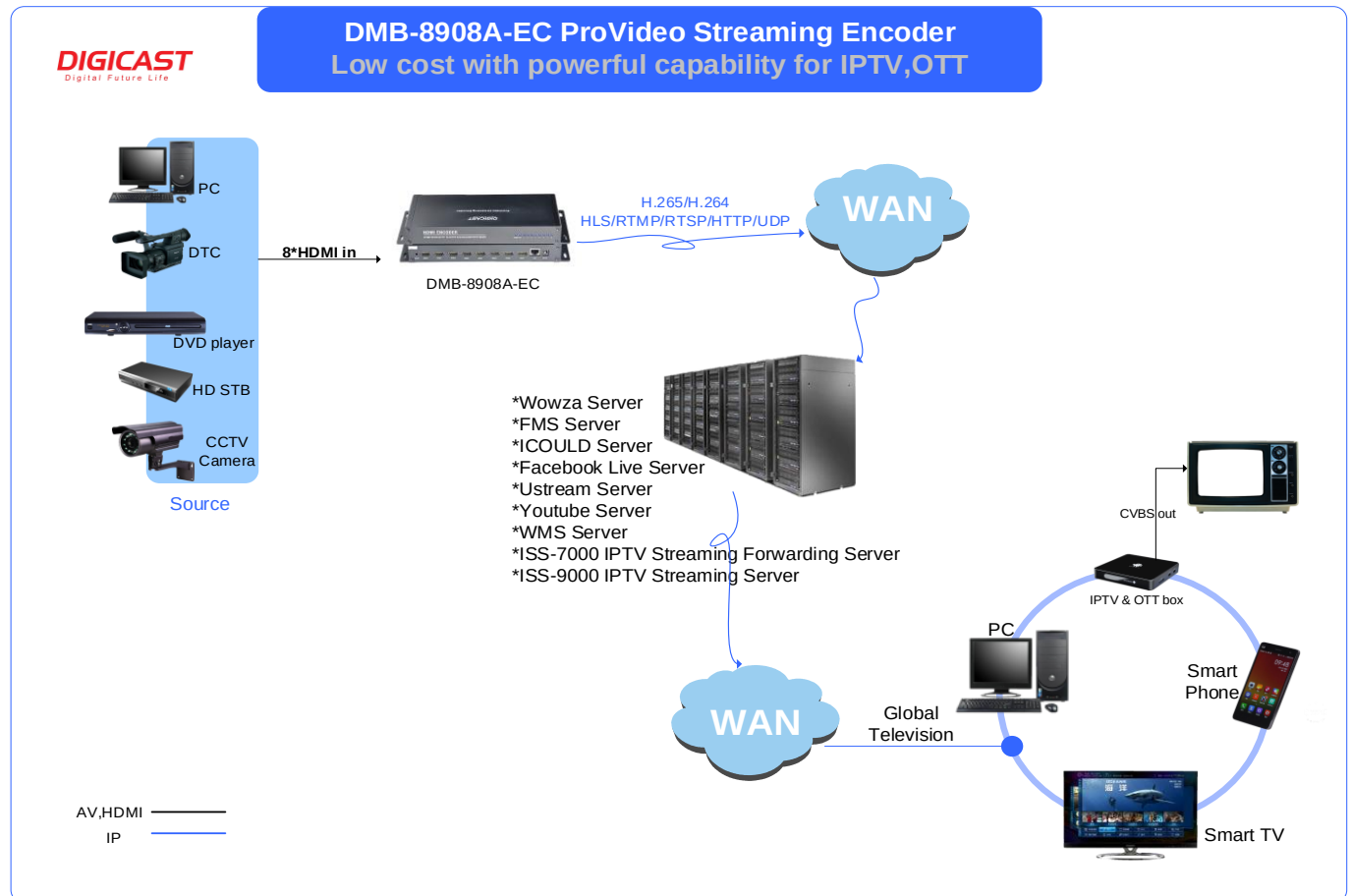
- Video Input: 8-Channel HDMI work simultaneously
- Video Compression: H.265 H.264/MPEG-4 AVC MJPEG
- Audio compression: AAC,AAC+,AAC++,MP3,MP2, **Dolby Digital AC-3**

- All protocols (HLS, RTMP, HTTP, RTSP, UDP) can be working simultaneously
- Support output 2 groups TS over IP streams with 2 different resolutions and 2 different bitrates by each HDMI channel input
- Having 8*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;
- Support H.265 H.264 Baseline /Main /High Profile and MP3 & AAC audio compression
- 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

- Digital TV Broadcasting System
- IPTV & OTT system
- Internet TV
- Digital Signage Project
- Remote Video Conference
- Live Streaming
- 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
(Recommended to be setup under the max. capability of 8CH@30fps **OR** 4CH@60fps+4CH@30fps)
- Video input: 8*HDMI (HDCP compatible)

Resolution:

Main stream:

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

Second Stream:

1280x720,1024x576,850x480,720x576,720x540,720x480,720x404,704x576,640x480,
640x300,352x288,320x240,320x180 auto.

- Bit-rate: 16kbps~32Mbps, CBR/VBR
- Video pre-processing: Noise reduction, Sharpen, Filtering

AUDIO Encoding

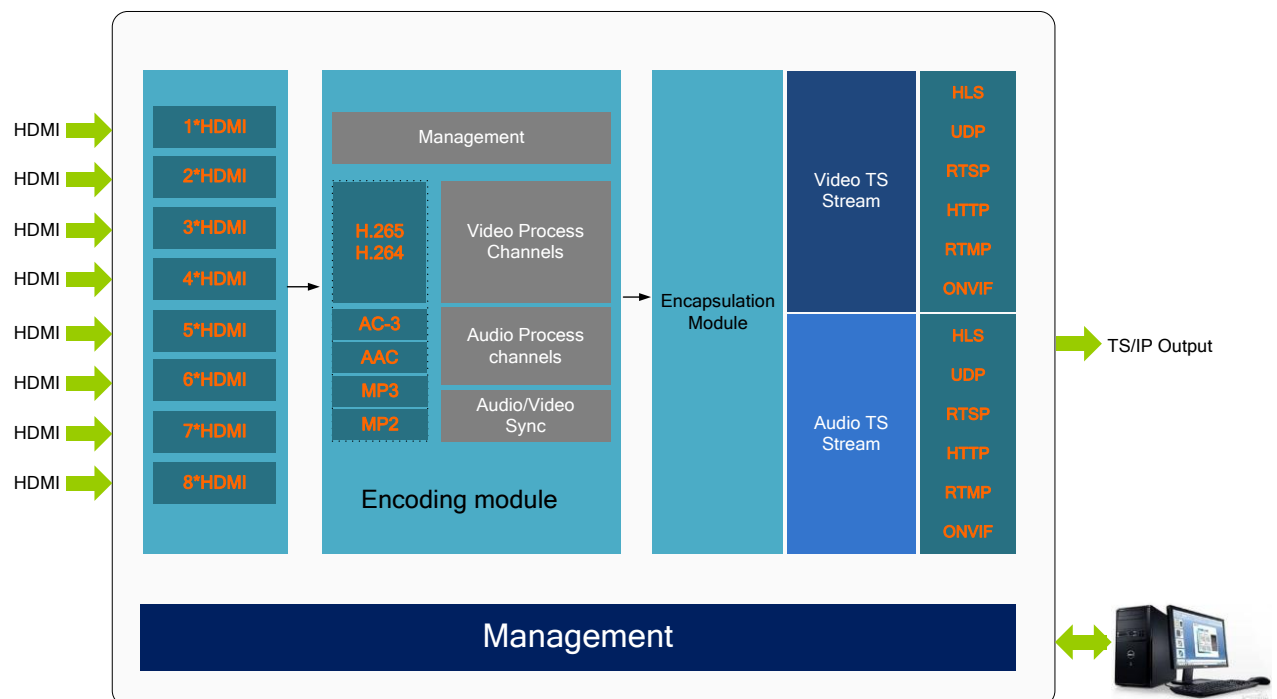
- Audio compression: AAC,AAC+,AAC++,MP3,MP2,Dolby Digital AC-3
- Audio input: 8*HDMI embedded
- Sampling accuracy: 24-bit
- Bit Rate: 48kbps~320kbps
- Sample-rate: 44.1KHz, 48KHz

IP Streaming output

- Transport protocol: TS over IP output, HLS, RTSP, HTTP, UDP and RTMP protocol
- For each HDMI to IP output, supporting output 2 groups TS over IP streams (for each group the HLS, HTTP, RTSP, UDP and RTMP protocol all enabled) with 2 different resolutions (up to 1080p) and 2 different bitrates to meet different size screen and different bandwidth condition.
- Connector: RJ45, 1000M

GENERAL OPTIONS**Physical and Power**

- Voltage: 12V
- Consumption: less than 20W
- Operating temperature: 0~45°C (operation), -20~65°C (storage)
- Dimensions: 235mm(W)*112mm(D)*60mm(H)
- Weight: 1Kg/pc

DIAGRAM

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