



OVERVIEW

In the 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.

The DMB-8904A-L HD encoder has the function of encoding four streams simultaneously. HDMI video source encoding can be compressed into a network stream, and long-distance HD transmission/live broadcast of video can be realized over the Internet or LAN through a wired network. With newest technology **WebrtC** (option) push streaming over WAN, Ultra-low latency across the network $\leq 300\text{ms}$ viewing.

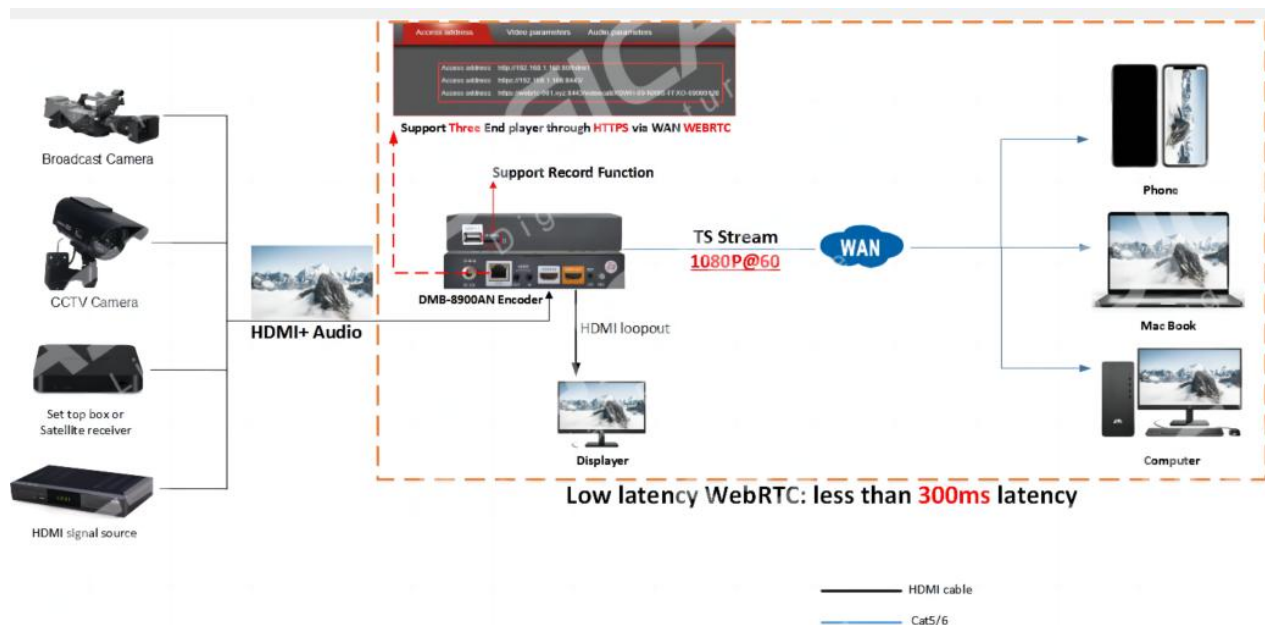
DMB-8904A-L provides fully functional second development package, which can be applied to education, health care, IPTV, conference, remote education, news interview, court, public security, banking, transportation and other industry application.

FEATURES

- **Powerful streaming media service function, not only supports common protocols such as RTSP/RTMP, but also supports other customizable protocols such as Security Onvif,**

GB28181, etc.

- **Webrtc option(by HTTPS with ultra low latency over WAN for 3 terminals)**



For LAN application, it can be used to build a small LAN distribution system, support 5-7 display terminals to pull stream from this encoder.

- Support HTTP/RTSP/RTMP/HLS/UDP/ONVIF/**SRT streaming/RTP**/unicast/multicast and other universal international media streaming protocol.
- Multi-channels different input quantity option: 1 channel (Portable), 4 channels (1U), 16 channels (3U) option
- One video input with four streaming output synchronous, 4 streaming with different protocol and resolution, bitrate, main stream up to 1080p 60FPS, sub-stream max to 720p 60FPS video encoding, output resolution can be customized.
- Good compatibility that push streaming to media servers such as Wowza/FMS/RED5 smoothly for live streaming video application
- Support RTMP add user name and password function, support RTSP add user name and password
- Support video real-time loop-out function for monitor the input source image quality without delay
- Support 4 channel 3.5mm independent audio acquisition input
- **Bandwidth with strong adaptability to make sure it can transfer HD, low delay, no lag audio and video signal stable under low-bandwidth network environment**
- Not only adopt embedded chip and H.265/H.264 video coding technology, but also combined with

enhancement image processing technology,above three points to achieve low bit rate coding for high-definition image quality output, output resolution is adjustable.

- Wider range of code rate adjustable, adjustable from 16Kbit/s to 12Mbit/s,CBR/VBR supported
- Support DHCP to automatically obtain IP (default set is disable, some computer firewalls will block)
- The transmission mode supports TCP, UDP, 1000M (full-duplex mode)
- Support insert Chinese and English OSD,company logo, support OSD scrolling,you can set the picture overlay, X and Y position,font size freely.
- Support one-key restore, version upgrade and remote maintenance, restore default configuration
- Support no video signal encoding, the setting will take effect immediately after completion, no need to restart; support set-top box decoding

APPLICATION

- IPTV/OTT system
- Organizations, Conferences and Worship
- Agencies, TV & Radio and Sports
- Government, Education and Music
- Digital Signage Project
- Remote Video Conference
- Video Monitoring

SPECIFICATION**Video INPUT****Input:**

4 channel HDMI signal input

4 channel 3.5 audio input

Output:

4 channel IP signal output

4 channel HDMI signal loop out

VIDEO ENCODING

Input resolution: 1920x1080p/1920x1080i/1280x720p/720*576i/720*576p /640*480i etc.

Coding standard: H.264/H.265

Encoding level: Level 1,Level 2,Level 3, Level 4,Level 5 (the higher the level,the greater the volatility of the code stream)

Encoding level: H.264 BASELINE PROFILE

H.264 MAIN PROFILE

H.264 HIGH PROFILE

H.265 MAIN PROFILE

Output

resolution:1920*1080,1280*720,960*540,850*480,720*576,720*480,640*480,640*320,320*180

Video bit rate: CBR/VBR bit rate control, 16KBIT/S~12MBIT/S

Video frame rate: 30/60fps

OSD:Word,Picture

AUDIO ENCODING

Input: 4*HDMI with audio in,4*3.5mm independent audio

Audio coding: AAC/G.711

Audio bit rate: 24Kb/s~256Kb/s

Sampling Rate: 32000,44100,48000 etc.

IP STREAMING OUTPUT**Stream Output**

4*RJ 100M/1000M adaptive Ethernet port,TS standard stream,four-streams, ONVIF protocol

System

Network protocol: Support HTTP,RTSP,RTMP(S),UDP,Multicast,Unicast,SRT streaming,Onvif,HLS

Configuration management:Support WEB configuration

Physical and Power

Power Supply:12V~2A

Working humidity: <90%,no condensation

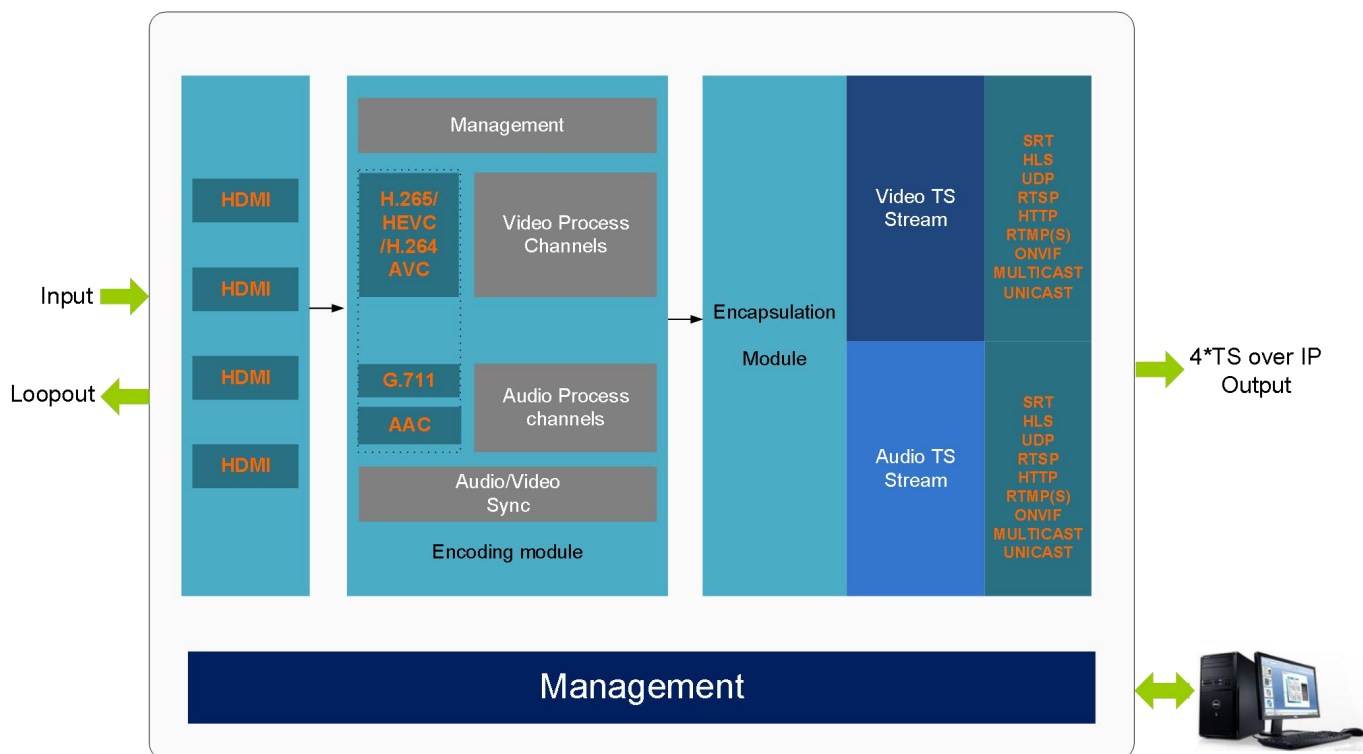
Power consumption: <5W

Operating temperature: -20℃ + 60℃

Dimensions: 440mm x 300mm x 43mm(L*W*H)

Weight: 3.5kg/pc

DIAGRAM



Order Guide

Model Number	Pictures	Highlights
DMB-8900A-L		1: 1 channels independent modules in portable chassis 2: Webtrc, POE function, TF record option 3: 1*HDMI input 1*HDMI loopout with 1080P@60 fps out
DMB-8916A-L		1: 16 channels Pluggable modules in 3U rack mount 2: Webtrc, POE function option 3: 16*HDMI input 16*HDMI loopout with 1080P@60 fps out

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