ENC3281i

DIBVISION | DIBSYS

8/16/24x HDMI MPEG4 AVC Network Encoder with Multi-Protocol

H.264 MPEG-4/AVC **UDP/SRT/RTSP/RTP/RTMP/HTTP/HLS**

ENC3281i This unit is designed especially for high channel density Distribution Video Engineering project which support rapid deployment, compatibility Up to 8/16/24 HD-MI inputs Simultaneously with MPEG-4 AVC/H.264 video encoding and LC-AAC or HE-AAC audio encoding. It's ideal encoder, which can transfer the live program through the **internet/LAN, and gives IP out over UDP (Unicast/Multicast), SRT, RTSP, RTMP, HTTP and HLS**, and the output signals are to be received by PC, phone and other mobile terminals.

This solution is ideal for anyone looking for an easy and affordable way to support a large number of displays, such as a sports bar, house of worship, or digital signage. Multiple HD bridge units can be combined to create a headend that will support over 100 channels on your video network at each display. Depending on the number of programs you have, you can very flexibly choose a different number of coding channels.

This encoder can simultaneously encode N channels HD Audio & Video (8/16/24chs), It can generate 8/16/24 Channels SPTS.

Main Features

- High density,modular 1-RU system capable of hosting up to 3 HD-MI Encoding input modules,each with 8 HD-MI channels
- MPEG-4 AVC HP@L4 video compression
- Feature to adjust the audio volume prior to encoding
- Simultaneous outputs via 8* TS (each module)
- IP Output over UDP (Unicast/Multicast), SRT, RTSP, RTP, RTMP, HTTP and HLS
- Selectable the Value of PCR PID same as Video PID
- Support VBR and CBR bitrate mode
- PID Remapping & Filtering & CA Filter
- Support LOGO,QR code,OSD insertion for every, All or Each module of local channel
- One rack unit high density, low-power consumption, stackable
- Easy-to-use web GUI

Application

- Huge Number of HD channels In limited budget
- Migrate analog to DTV project
- Hotel,Campus of Video engineering project
- Convert Video to IP Connected with Camera, PC, Satellite Set Top Box, Local playout
- Applications in Logo, OSD Insertion of Video picture

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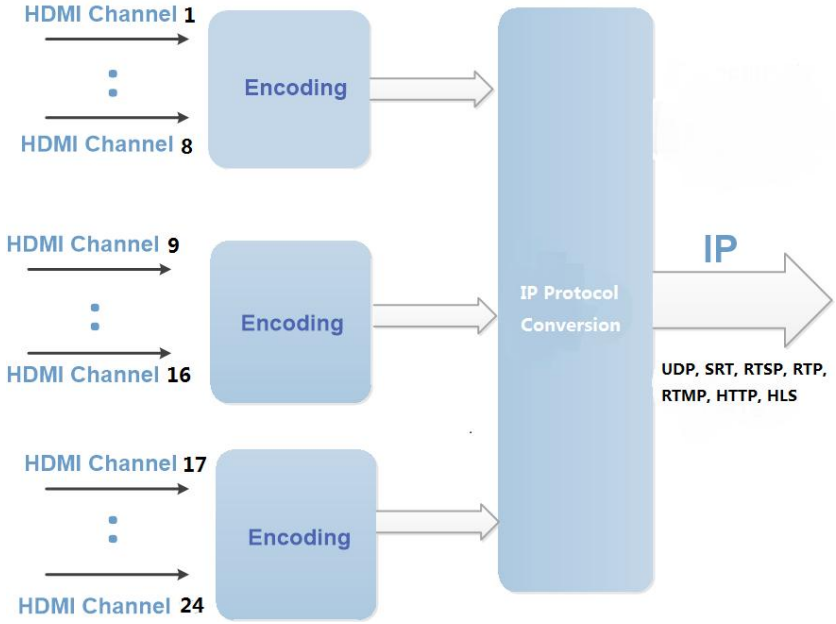
Principle Chart



TECHNICAL SPECIFICATIONS

Input Interfaces

Number of Channels	8 ports, 16 ports, 24 ports, 3 modules HD-MI 1.4a HDCP Embeded in HD-MI (1 pairs per video)

Stream Output

RJ45 Port	100/1000M GbE Port, RJ45 Simultaneous output with 8*SPTS (each module) throuth Data Port IP out over UDP (Unicast/Multicast),SRT, RTP,RTSP, RTMP, HTTP, HLS

Video Processing

Input Resolution	1920×1080@60P, 1920×1080@60i, 1920×1080@50P, 1920×1080@50i, 1280×720@60P, 1280×720@50P 720×576@50i,720×480@60i
Output Resolution	1920×1080@30P, 1920×1080@25P, 1280×720@30P, 1280×720@25P, 720×576@25P,720×480@30P
Encoding	MPEG-4 AVC/H.264
Profiles and Levels	H.264 Main,High Up to L4.2
Bit-rate	1Mbps~13Mbps
Encoding Schemesl	CBR, VBR
GOP Structure	IP...P (P Frame adjustment, without B Frame)

Select to configure Logo, Caption and QRCocder in any Position of Video Picture

Audio Processing

Encoding	MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 pass through
Sampling rate	48KHz
Resolution	24-bit
MPEG-1 Layer 2 Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
LC-AAC Bit-rate	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
HE-AAC Bit-rate	48/56/64/80/96/112/128 kbps
Audio Gain	0-255 Adjustable

PSI/SI

PSI/SI Editing	Service Name, Program Number, Service Type, Service Provider, PMT/PCR/Video/Audio PID PMT descriptor Tag, PMT Descriptor Data

System function

Web Network management
Chinese and English language
Ethernet software upgrade
Save/Restore/Facture Set/Backup/Load Setting
Log information printing in time

Environment

Dimension(W×L×H)	482mm×328mm×44mm
Approx weight	7.8kg
Temperature	0~45℃(Operation); -20~80℃ (Storage)
Voltage range	100 to 120/200 to 240V AC ±10%; 50/60Hz