ENC3740i

up to 48* HDMI H.264 H.265 Network Encoder with Multi-Protocol

DIBVISION | DiBSYS

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

ENC3740i This unit is designed especially for high channel density Distribution Video Engineering project which support rapid deployment, compatibility up to **48 HD-MI inputs** Simultaneously with **HEVC/H.265** and MPEG-4 AVC/H.264 video 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.
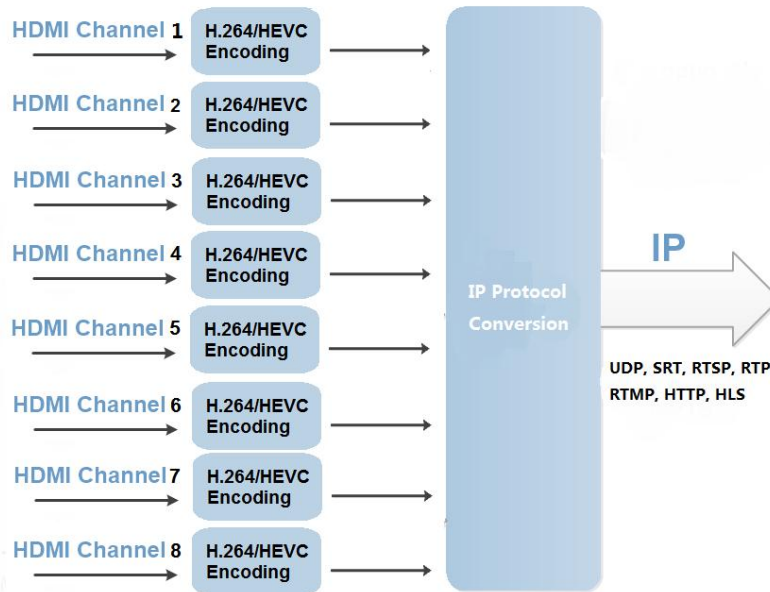
Features

- High density, modular 2-RU system capable of hosting up 32/40/48 channels input, max 48 HDMI inputs from 6 encoder modules
- optional 1-RU with 8/16/24 channels input
- HEVC/ H.265, MPEG-4 AVC video encoding
- Feature to adjust the audio volume prior to encoding
- Simultaneous outputs via 32/40/48 SPTS out
- IP Output over UDP (Unicast/Multicast), SRT, RTSP, RTP, RTMP, HTTP and HLS
- **Support resolution downscale conversion**
- Selectable the Value of PCR PID same as Video PID
- MPEG1 Layer II, LC-AAC，HE-AAC audio encoding format and AC3 Pass Through, and audio gain adjustment
- Support VBR and CBR bitrate mode
- Support LOGO,QR code,OSD insertion for every, All or Each module of local channel
- 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

Principle Chart

TECHNICAL SPECIFICATIONS

Input Interfaces

Number of Channels	32 ports, 40 ports, 48 ports, 6 modules- 2RU
	8 ports, 16 ports, 24 ports, 3 modules- 1RU
	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

Resolution

Input	Output
1920*1080_60P 1920*1080_60i	1920*1080_30P, 1280*720_30P, 720*480_30p
1920*1080_50P 1920*1080_50i	1920*1080_25P, 1280*720_25P, 720*576_25p
1280*720_60P	1280*720_30P, 720*480_30p
1280*720_50P	1280*720_25P, 720*576_25p
720*576_50i	720*576_25p
720*480_60i	720*480_30p

Encoding	HEVC/H.265 HD/SD; MPEG-4 AVC/H.264 HD/SD
Bit-rate	1Mbps~13Mbps each channel

Encoding Scheme	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

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