

ENC3740i

DIBVISION | DIBSYS

up to 24x HDMI HEVC H.264 Network Encoder
with Multi-Protocol

UDP/SRT/RTSP/RTP/RTMP/HTTP/HLS



ENC3740i content in a single slice in real-time via AVC (H.264) / HEVC (H.265), today's most advanced compression standards. Up to 24 HD video channels with H.264/H.265 video encoding and LC-AAC or HE-AAC audio encoding.

ENC3740i with its wide range of encoding tools, HEVC offers incredible compression efficiency, making distribution and delivery of live HD content available for satellite, cable, terrestrial and fiber networks.

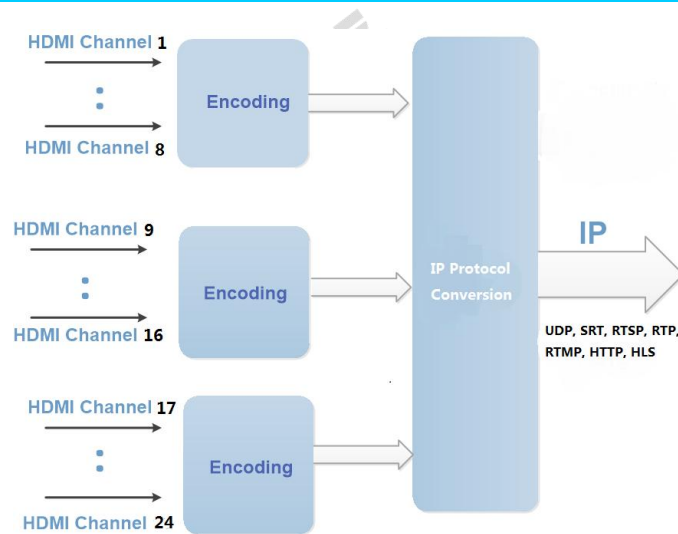
ENC3740i Power-efficient, Full-featured HEVC/H.265, AVC/H.264 Encoder is an ideal encoder, which can transfer the live program through the internet/LAN, and gives IP out over UDP (Unicast/Multicast), SRT, RTSP, RTMP, HTTP and HLS, and the output signals are to be received by PC, phone and other mobile terminals.

Features

- 2/4/8/16/24 HDMI video channels input with 2/4/8/16/24 SPTS output
- HDMI 1.4, HDCP 1.4
- Superior real-time HEVC/H.264 encoding
- MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass through audio encoding
- CBR/VBR video bitrate mode
- Support IP Output over UDP (Unicast/Multicast), SRT, RTSP, RTP, RTMP, HTTP and HLS
- OSD (logo/QR Code/Caption) insertion (developing)
- Real-time output bit-rate monitoring
- Web-based user interfaces
- Ethernet software & hardware upgrade supported

Main Application

- Carrier-grade Cable TV, Satellite Up-link
- Terrestrial DVB-T/T2 and ISDB-T/Tb
- TV studio station
- Low bitrate Live Streaming in limit Bandwidth
- 1080p@60fps FullHD Video encoding



TECHNICAL SPECIFICATIONS

Input Interfaces

Number of Channels 2, 4, 8, 16, 24 Ports
HDMI 1.4, HDCP 1.4

Stream Output

RJ45 Port IP out over UDP (Unicast/Multicast), SRT, RTP, RTSP, RTMP, HTTP, HLS (RJ45, 1000M)
(8 HDMI inputs with 8 SPTS for each encoder board)

Video Encoding

Resolution 1920*1080_60P, 1920*1080_50P; 1920*1080_59.94P, 1280*720_60p, 1280*720_59.94, 1280*720_50P
Video Compression HEVC/H.265, MPEG-4 AVC /H.264
Chroma 4:2:0
Bit rate 1~15Mbps each channel
Encoding Schemes CBR/VBR
GOP Structure IP

Audio Encoding

Sampling Rates 32KHz, 44.1KHz, 48KHz
Audio encoding MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass through (developing)
Bit-rate 48/56/64/80/96/112/128/160/192

Audio gain

Management

Management Port
Language
Upgrade

Environment

Electromagnetic Compliance
Power Supply
Operation temperature
Storage temperature
Dimensions (H x W x D)
Weight

/224/256/320/384 kbps (MPEG-1 Layer 2)
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 kbps (HE-AAC Bit-rate)
0-255

Web-GUI, RJ45, 1000M
English, Chinese
Ethernet software upgrade

Comply to GB13837-92 & GB8898-88
AC 100-250V ± 10%, 50/60Hz
0 - 45°C
-20 - 80°C
328 mm×482mm×44mm (1RU)
5kg