

# ENC3741i

DIBVISION | DIBSYS

4/8/12x HDMI H.265/MPEG4 AVC  
Network Encoder with multi-protocol

H.264  
MPEG-4 AVC

H.265  
HEVC

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



**ENC3741i** content in a single slice in real-time via AVC (H.264) / HEVC (H.265), today's most advanced compression standards. Up to 12 HD video channels (4 channels in one module, up to 3 modules) can be encoded on the 1-RU chassis.

**ENC3741i** 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.

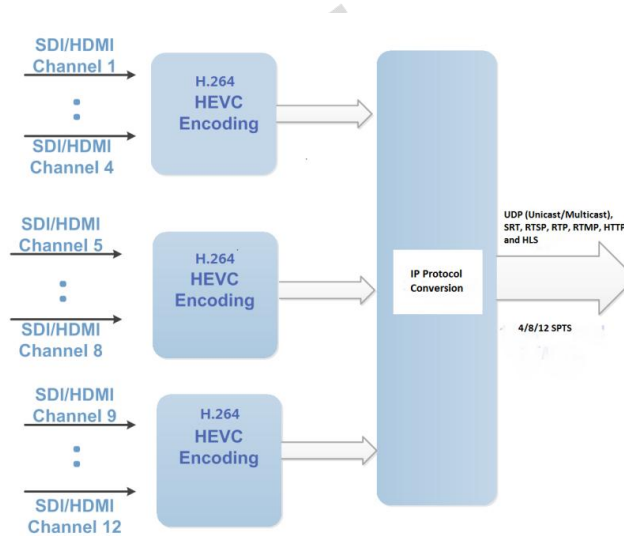
**ENC3741i** Power-efficient, Full-featured HEVC/H.265, AVC/H.264 Encoder is an ideal encoder, which can transfer the live program through the internet/LAN, and gives IP out over UDP (Unicast/Multicast), SRT, RTSP, RTMP, HTTP and HLS, and the output signals are to be received by PC, phone and other mobile terminals.

## Features

- 4/8/12 HDMI video channels (4 channels in one module, up to 3 modules), SDI interface optional
- with 4/8/12 SPTS output
- HDMI 1.4, HDCP 1.4
- Superior real-time HEVC/H.264 encoding
- MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, AC3 Passthrough audio encoding
- Support **1080P @60fps** input and output
- CBR/VBR video bitrate mode
- Support IP Output over UDP (Unicast/Multicast), SRT, RTSP, RTP, RTMP, HTTP and HLS
- PID Remapping & Filtering
- Null Packet Filter & Insertion
- Support QR code, LOGO, caption insertion (Language Supported: 中文, English, руская, for more languages please consult us...)
- 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 4, 8, 12 Ports, 4 channels in one module, up to 3 modules  
HDMI 1.4, HDCP 1.4, SDI interface optional

### Stream Output

**RJ45 Port** 4 SPTS (per module) output over UDP (SPTS)  
SRT/RTSP/RTMP/RTMP/HTTP/HLS/M3U8  
1000M/100M Base-T Ethernet interface  
MPEG TS over UDP, unicast, and multicast streaming  
Filter Null Packet

### Video Encoding

Video Compression HEVC/H.265, MPEG-4 AVC /H.264  
Profiles and Levels H.264 Main, High Up to L4.2  
Chroma 4:2:0  
Bit rate 0.5Mbps ~ 20Mbps  
Encoding Schemes CBR/VBR  
GOP Structure IBBP, IPPP  
Fixed/Adaptive GOP  
Hierarchical GOP  
Open/closed GOP

Advanced Preprocessing De-interlacing, Noise reduction, Sharpening  
Pre-Processing Deblocking filter  
Sample Adaptive Offset (SAO)  
Asynchronous Motion Partitioning (AMP)  
Coding Tree Block (CTB) from 16x16 to 64x64

### Audio Encoding

Sampling Rates 48KHz  
Audio encoding MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2, AC3 Passthrough  
Bit rate (each channel) 48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC)  
24 Kbps~128 Kbps (HE-AAC)  
18 Kbps~56 Kbps (HE-AAC V2)  
Audio gain 0-255

### Resolution & Encoding Channels

#### HDMI version I and SDI

Input	Output	
	HEVC/H.265	H.264
4*1080P-50	4*1080P-50	2*1080P-50
4*1080P-60	4*1080P-60	2*1080P-60
4*1080I-50	4*1080P-50	4*1080I-50 2*1080p-50
4*1080I-60	4*1080P-60	4*1080I-60 2*1080P-60
4*720P-50	4*720P-50	4*720P-50
4*720P-60	4*720P-60	4*720P-60

#### HDMI version II

3840×2160\_30P, 3840×2160\_29.97P  
(Encoding 2 CHs per module for H.265, and encoding 1 CH for H.264 )  
1920×1080\_60P, 1920×1080\_59.94P, 1920×1080\_50P,  
(Encoding 4 CHs per module for H.265, and encoding 2 CHs for H.264)  
1280×720\_60P, 1280×720\_59.94P, 1280×720\_50P  
(Encoding 4 CHs per module for H.264 and H.265)

#### Management

Management Port Web-GUI, RJ45, 100M  
Language English, Chinese  
Upgrade Ethernet software upgrade

#### Environment

Electromagnetic Compliance Comply to GB13837-92 & GB8898-88  
Power Supply AC 100-250V ± 10%, 50/60Hz  
Power consumption 25W  
Operation temperature -10 - 50°C  
Storage temperature -10 - 75°C  
Dimensions (H x W x D) 328 mm×482mm×44mm (1RU)  
Weight 5kg