

E37

DIBSYS

16 HDMI HEVC H.265 Multi-Channel Encoder

HDMI

H.265
HEVC

H.264
MPEG-4/AVC



E37 can provide up to 16 channels of superior quality constant bit rate CBR/VBR/AVBR/FIXQP/QPMAP HEVC/H.265, MPEG-4 AVC (H.264) with AAC(optional), AC3 Bypass and MPEG-1 L2 audio.

Very flexible configurable the number of channels inputs to plug-in HDMI board. It also support up to 32 IP (SPTS/MPTS) input, and 2*ASI output, 1 MPTS and 16 SPTS via GbE IP Port output (Unicast/multicast) Mutual mirror output. This HDMI Video encoder supports H.265 encoding, which is ideal choice for customers who need lower bit rate video transfer over LAN networks, whilst maintaining high quality video.

E37 Multi-channel HEVC encoding device used to stream video and audio across any IP network, can be widely used in DTV, OTT/IPTV, Mobile TV multi-screen applications, CATV systems, monitoring systems and etc... With its powerful program processing capabilities and leading technology advantages, it meets the market demands such as broadcasting, VOD, education, medical care, health center, live broadcast and so on, help to save bandwidth resources for operators, and while also providing users with a better viewing experience.

Key Features

- Support 16 HDMI Full HD Channels input, up to 32 IP input (MPTS/SPTS)
- Simultaneous outputs via 1 MPTS/16 SPTS over 2*ASI Port or GbE IP Port
- Video encoding mode support HEVC/H.265 High Profile, MPEG-4 AVC/H.264 Baseline/Main Profile/High Profile
- Video bitrate modes support: CBR/VBR/AVBR/FIXQP/QPMAP
- Audio encoding mode support MPEG-1 Layer 2, AC3 Bypass, LC-AAC, HE-AAC (AAC optional)
- Support MPTS stream supports overflow monitoring
- Empty packet filtering
- PSI/SI editing & inserting
- PID mapping & PCR correct
- Output stream supports real-time monitoring
- Support online upgrade and configuration file import and export
- Easy-to-Use System Management via Web

Application

- Digital TV, OTT/IPTV head-end system
- Remote live Rebroadcasts and real-time transmission
- HD or SD video via private IP networks
- Carrier-grade Cable TV, Satellite Up-link
- Video over Coax Cable solution in Hotel, Campus, Enterprise

TECHNICAL SPECIFICATIONS

Input

HDMI Input	16 x HDMI inputs
IP Input Port	1 port, Up to 32 IP streams (MPTS/SPTS)
Video Format	Auto, 1920×1080_60P, 1920×1080_50P 1920×1080_60i, 1920×1080_50i 1280×720_60P, 1280×720_50P 720x576_50i, 720x480

Output

IP Output Port	1
MPEG-TS/IP Output	1000M base-T
Bit rate	1~30Mbps(SPTS), 60Mbps(MPTS)
Data Protocol	MPEG-2 TS over UDP, unicast, and multicast streaming 7x188 bytes per packet Filter Null Packet

Video Coding

Resolution	Auto, 1920×1080_60P, 1920×1080_50P 1920×1080_60i, 1920×1080_50i 1280×720_60P, 1280×720_50P 720x576_50i, 720x480
Comply to the International standard	H.265 (ISO/IEC 23008-2 HEVC) MPEG-4 AVC/H.264 (ISO/IEC 14496-10) GY/T 257.1-2012, AVS P2 Jizhun Profile (GB/T 20090-2006 standard) GY/T 170-2001, GYT 271-2013
Encoding mode	HEVC/H.265 High Profile MPEG-4 AVC/H.264 Baseline/Main Profile/ High Profile
Bit rate	0.2~40 Mbps
Bit rate mode	CBR/VBR/AVBR/FIXQP/QPMAP
Video preprocessing	Deinterlacing, 3D noise reduction, sharpening 8 area OSD overlay Anti-flicker for output videos and graphics

Audio Coding

Sampling Rates	48KHz
Bit rate	64Kbps~384Kbps (each channel)
Encoding Format	AC3 Bypass, MPEG-1 L2, AAC
Quantization	24bit HDMI embedded

Management

Interface	2*RJ-45, 1000 Base-T 1* Data port
Remote Control	Web management
Language	English

Environment

Power Supply	Comply to GB13837-92 & GB8898-88 standard AC 100V-220V±10%, 50/60Hz (Redundant power supply optional)
Power consumption	<40 W
Operation temperature	0°C ~45°C (32°F ~113°F)
Storage temperature	-20°C ~80°C (-4°F~176°F)
Dimensions	482 (L)x410(W)x48mm(H) (1RU)
Weight	3.5kg