

MPEG-2 & MPEG-4 AVC (H.264) HD/SD Encoder

with Component, Composite, HDMI and HD/SD-SDI inputs, ASI and IP outputs

Digital Encoder



DME-9624H

Professional Multi-standard Encoder

Introduction

DME-9624H is a high-end MPEG-2 and H.264 encoder with the highest video quality and low latency with luxurious design.

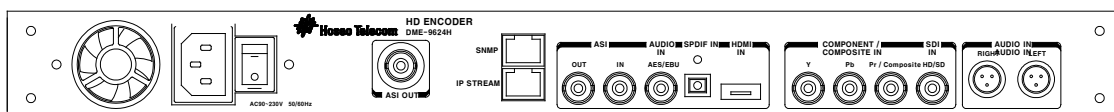
It shows excellent performance in video/audio compressing and encoding for suitable digital transmission with various supported formats.

DME-9624H supports both MPEG-2 and MPEG-4 AVC (H.264) so that it allows operators select the format they want.

The unit is easy to control with front VFD and via web browser.

Features

- Component, Composite, HDMI, HD/SD-SDI video inputs
- Low latency as 800ms
- Up to 1080p/25/29.97/30 encoding
- Digital, Analog and Serial Digital embedded audio inputs
- 5.1 channel SPDIF audio optical input (pass through)
- 1xASI input for supporting of insertion of externally generated PSIP into the transport stream
- Video input Auto detection function
- Selectable MPEG-2 HD/SD or MPEG-4 (H.264) HD/SD real-time video encoding
- Simultaneous output of 2xASI Transport streams and UDP/IP or RTP/IP transport stream
- CBR or VBR, Unicast or Multicast IP output
- Dolby Digital (AC-3), MPEG-1 Layer II, AAC-LC, HE-AAC audio encoding
- User selectable resolution and bit-rate
- Supports internally generated TVCT, CVCT, SDT, NIT
- Supports EIA-708 Closed caption insertion via HD/SD-SDI (SMPTE 334)
- Control and monitoring via web browser, front panel or SNMP



Specification

Video Input

Analog Input	Component , Composite
Level	1 Vp-p
Digital Input	HDMI , SDI
Level	1000 mVp-p (HDMI) 800mVp-p (SDI)
Resolutions	480i29.97/30, 576i25, 720p50/59.94/60, 1080i25/29.97/30, 1080p25/29.97/30
Aspect Ratio	4:3, 16:9

Audio Input

Analog Input	1 Stereo
Freq. Range	20Hz ~ 20KHz
Impedance	600 Ω/ 20KΩ
Connector	Mini XLR
Digital Input	AES-EBU, Embedded SDI/HDMI
Sampling Rate	32, 44.1, 48 KHz
Connector	BNC (75Ω) / HDMI-19PIN
Optical Input	SPDIF(5.1 Channel) (pass through).

Video Encoder

Encoding	MPEG-2 HP@HL, MP@HL , MP@ML MPEG-4 H.264 HP@L4 , MP@L3
Encoding Rate	MPEG-2 : 2~17.2 Mbps MPEG-4 H.264 : 0.5~17.2 Mbps
Chroma Format	4:2:0
PSNR	36dB
Bit Rate Mode	CBR,VBR
Latency	800ms~

Audio Encoder

Sampling Rate	32, 44.1, 48KHz
Dolby Digital® AC-3(5.1CH)	128,192,256,384 Kbps
MPEG-1 Layer II	192,224,256,320,384 Kbps
MPEG-4 AAC-LC	32~384 Kbps
MPEG-4 HE-AAC v1	32~192 Kbps
MPEG-4 HE-AAC v2	32~96 Kbps

TS Input

Transport Stream	ASI 1 Port
Connector	BNC(75Ω)
Packet Format	188 Byte
Input Level	800mVp-p

TS Output

Transport Stream	ASI 2 port
Connector	BNC(75Ω)
TS Bit Rate	MPEG-2 : 3.4~19 Mbps MPEG-4 H.264: 2.5~19 Mbps
Packet Format	188 Byte

IP TS Output

Output	1 Port
Connector	RJ-45
Ethernet type	10/100 Base-T
Format	UDP/IP, RTP/IP
IP Address Format	Multicast, Unicast
TS Bitrate	MPEG-2 : 3.4~19 Mbps MPEG-4 H.264 : 2.5~19 Mbps
TS Packet Rate	188, 204 Byte

Ethernet

Connector	RJ-45
Interface Type	10/100Base-T
Protocols	SNMP

General

Power Requirements	AC 90~230V, 50/60Hz
Power Consumption	Max. 100W
Weight	4kg
Operating Temperature	-10~50°C
Dimension(W x H x D)	482 x 44 x 383 mm

ORDERING INFO

DME-9624H - HD/SD MPEG-2 and H.264 (MPEG-4) encoder