



**Latency** 800ms

**Chroma Depth** 4:2:0 (8bit)

**Resolutions** up to 1080p

## Introduction

Compact sized 1RU chassis DME-9624H Encoder series provides excellent video quality with low latency. Support of MPEG-2 and MPEG-4 AVC (H.264) in HD and SD allows this Encoder to be configured for a variety applications. Front control panel and Web GUI makes the configuration process easy and fast.

## Competitiveness

- Excellent option for operators who competitively pursue the best performing encoding device with high resolution up to 1080p
- Good option for real-time encoding with low latency
- Low cost and High performance
- Able to secure space with compact and light weight design
- Cost effective as offering quick and easy setup
- Preset function

## Options

- Video Confidence Monitoring
- Redundancy as Dual Power

## Feature

- Component, Composite, HDMI and HD/SD-SDI video inputs
- Low latency as 800ms
- Up to 1080p Resolution
- Digital, Analog and SDI embedded audio inputs
- Additional 1xASI input for supporting of insertion of externally generated PSIP into the transport stream
- Provides internally generated PSI and PSIP
- Video input auto detection
- Various functions with integrated advanced Scaler
- Control of Frame rate, Image enhance, Phase Noise, Correction of Color and Gamma
- Selectable MPEG-2 HD or H.264 HD/SD real-time video encoding
- Simultaneous output of 2xTransport stream (ASI) with UDP/IP or RTP/IP transport stream
- Dolby Digital (AC-3), MPEG-1 Layer II, AAC-LC and HE-AAC audio encoding
- CEA-608 input source is converted to 708
- Internally generated TVCT, CVCT, SDT and NIT
- Integrated excellent IP converter
- CBR or VBR outputs
- Pre-set function
- Excellent IP converter integrated
  - Much lower latency
  - More stable IP output

## Head Office / Laboratory

#40-12 Teheran-ro 38-gil, Gangnam-gu, Seoul, Korea Postcode: 06222  
 Phone : +82 2 6005 9118  
 Fax : +82 2 3453 8338  
 E-mail : castwin@castwin.com

### Specification

#### Video Input

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

#### Audio Input

Analog Input	1 Stereo(2channel)
Freq. Range	20Hz ~ 20KHz
Impedance	600 Ω
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 H.264 HP@L4 , MP@L3
Encoding Rate	MPEG-2 : 2.0 ~ 17.2 Mbps H.264 : 0.5 ~ 10.0 Mbps
Chroma Format	4:2:0 (8bit)
PSNR	36dB
Bit Rate Mode	CBR, VBR
Latency	800ms~

#### Audio Encoder

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

#### TS Output

Transport Stream Connector	ASI 2 port BNC(75Ω)
TS Bitrate	MPEG-2 : 3.1 ~ 20.0 Mbps H.264 : 1.8 ~ 20.0 Mbps
Packet Format	188 Byte

#### IP TS Output

Output Connector	1 Port RJ-45
Ethernet type	10/100 Base-T
Format	UDP/IP, RTP/IP
IP Address Format	Multicast, Unicast
TS Bitrate	MPEG-2 : 3.1 ~ 20.0 Mbps H.264 : 1.8 ~ 20.0 Mbps
TS Packet Rate	188 Byte

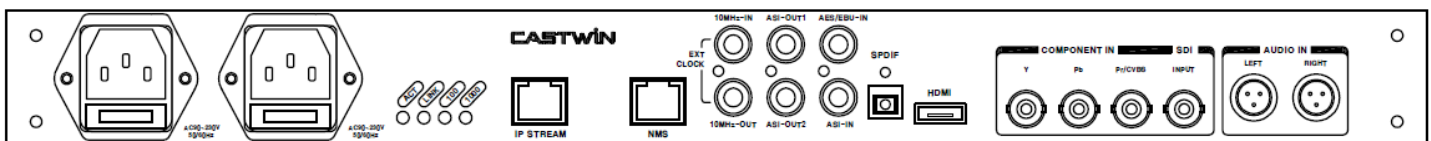
#### Ethernet

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

### Configuration



#### Head Office / Laboratory

#40-12 Teheran-ro 38-gil, Gangnam-gu, Seoul, Korea Postcode: 06222  
 Phone : +82 2 6005 9118  
 Fax : +82 2 3453 8338  
 E-mail : castwin@castwin.com