MPEG-2/4 AVC SD Encoder

DME-8624S

Professional

MPEG-2&MPEG-4 AVC SD Encoding

Latency 800ms

Output ASI /IP Stream

Introduction

CASTWIN's the standard definition encoder with the highest video quality and low latency. It is perfect choice for customers who are expecting the high-class products on video/audio quality. It shows outstanding performance for inputting signal(Analog & Digital) to output as transport stream signal after compressing and encoding for suitable digital transmission with various supported formats. Moreover, it supports both MPEG-2 and MPEG-4 AVC so that it make operator select the format as they want. Also, it is very easy to control with Hi-class front VFD.

Competitiveness

- Providing your viewers with the best performance compression and flawless picture quality
- Perfect option for broadcasting of sports, racing with Real time encoding with low latency
- Increase revenue opportunities by enabling additional services
- Reduce the cost of transmission as supporting wide range of bit-rate control and advanced video coding techniques.
- Additional cost reduction with simple set-up and operation

Feature

- Component, Composite, HDMI, SD-SDI video inputs.
- Digital, Analog and Serial Digital embedded audio inputs.
- Low latency as 800ms
- Additional 1xASI input for supporting of insertion of externally generated PSIP into the transport stream.
- Video input Auto detection function.
- Selectable MPEG-2 SD or MPEG-4 AVC SD real-time video encoding.
- Simultaneous outputting of 2xTransport stream (ASI) with UDP/IP or RTP/IP transport stream.
- CBR or VBR outputs.
- Dolby Digital (AC-3), MPEG-1 Layer Ⅱ, AAC-LC, HE-AAC audio encoding.
- Supports internally generated TVCT, CVCT, SDT, NIT
- Control and monitoring via web browser, front panel, or SNMP

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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, 576i,25
Aspect Ratio		4:3

Audio Input

Analog	Input	1 Stereo(2channel)
	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

Video Encoder

Encoding	MPEG-2 MP@ML
	MPEG-4 AVC MP@L3
Encoding Rate	MPEG-2 : 2~15 Mbps
	MPEG-4 AVC : 0.5~15 Mbps
Chroma Format	4:2:0
Bit Rate Mode	CBR,VBR
Latency	800ms~

Audio Encoder

Sampling Rate	32, 44.1, 48KHz
Dolby Digital® AC-3	128,192,256,384 Kbps
MPEG-1 Layer II	192,224,256,320,384 Kbps
MPEC-4 AAC-LC	32~384 Kbps
MPEG-4 HE-AAC v1	32~192 Kbps
MPEG-2 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 : 2~15 Mbps
	MPEG-4 AVC : 0.5~15 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 Bit Rate	MPEG-2 : 2~15 Mbps
	MPEG-4 AVC : 1.5~15 Mbps
TS Packet Rate	188 Byte

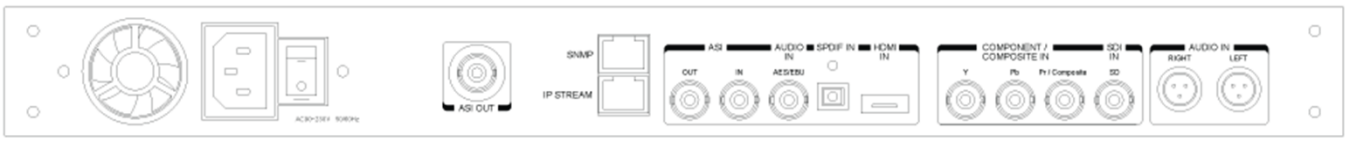
Ethernet

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

General

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

Configuration



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