



High-End Encoding

Latency 150ms

Chroma Depth 4:2:0 4:2:2(10bit)

Resolutions up to 1080p

Introduction

Best performing and fully programmed High-End DME-9724HM Encoder enables to transmit more video and audio channels at the available bandwidth.

Fully supporting up to 1080p, 4:2:2 and 4:2:0, MPEG-2/MPEG-4 AVC (H.264), it delivers the real-time video quality with user-friendly easy to set up front control panel.

Competitiveness

- Providing your viewers with the best performance compression and flawless picture quality
- Wide use in many projects with high compatibility supporting various formats
- Best choice for broadcasting of racing, sports via real time encoding with ultra low latency at 150ms
- Reduce the cost of transmission as supporting wide range of bit-rate control and advanced video coding techniques
- Able to secure space with compact size for installing

Options

- Video Confidence Monitoring
- Redundancy as Dual Power

Feature

- Component, Composite, HDMI, HD/SD-SDI video inputs
- Ultra low latency as 150ms
- Up to 1080p Resolution
- 4:2:0, 4:2:2(10 bit)
- Digital, Analog and SDI embedded audio(8channel) inputs.
- 5.1 channel Dolby Digital (AC-3) encoding support
- 7.1 channel SPDIF audio optical input(pass through)
- Additional 1xASI input for supporting of insertion of externally generated PSIP into the transport stream
- Provides internally generated PSI, PSIP, SI
- Control of Frame rate
- Selectable MPEG-2 HD or H.264 HD real-time video encoding
- Simultaneous outputting of 2xTransport stream (ASI) with UDP/IP or RTP/IP transport stream.
- Dolby Digital (AC-3), MPEG-1 Layer II, AAC-LC, HE-AAC audio encoding
- CEA-608 input source is converted to 708
- Internally generated TVCT, CVCT, SDT, NIT
- Excellent IP converter integrated performance
 - Much lower latency & stable IP output
- Control and monitoring via web browser, front panel, or SNMP
- 4 channel AES/EBU Digital Audio
- 4 stereo(8channels) analog input with D-sub type
- Integrated Advanced Scaler function
 - Control of Frame rate, Image enhance
 - Phase Noise, Correction of Color, Control of Gamma

MPEG-2/4 AVC HD Encoder

DME-9724HM

Specifications

	ITEM	CHARACTER			
Video Input	Analog	Input Level	Composite, Component(up to 1080i)		
	Digital	Input Level	HDMI, HD-SDI		
	Resolutions		1000 mVp-p (HDMI) 800mVp-p (HD-SDI) 480i29.97, 576i25, 720p50/59.94, 1080i25/29.97, 1080p25/29.97		
	SD Aspect Ratio		4:3, 16:9		
Audio Input	Analog	Input Freq. Range	4 Stereo 20 Hz ~ 20 KHz		
		Impedance	600 Ω		
		Connector	D-SUB 15pin x 2		
	Digital	Input Sampling Rate	4 x AES-EBU, Embedded SDI/HDMI (4 Stereo 8 Channel) 32, 44.1 and 48 KHz		
	Connector	BNC (75Ω) / HDMI-19PIN			
	Optical	Input	SPDIF(7.1 Channel) pass through		
Video Encoder	Encoding		MPEG-2 HP@HL, MP@HL, MP@ML H.264 HP@L4, MP@L3		
	Encoding Rate		MPEG-2 : 1.6~50 Mbps, H.264 : 0.6~50 Mbps		
	Chroma Format		4:2:0, 4:2:2 (8 bit / 10 bit)		
	PSNR		38 dB		
	Bit Rate Mode		CBR,VBR		
	Latency		150 ms~		
Audio Encoder	Encoding	MPEG-1 Layer II (2ch) AAC LC (2ch, 5.1ch)	AC-3 (2ch) HE-AAC v1 (5.1ch)	AC-3 Pro (2ch, 5.1ch) HE-AAC v2 (2ch)	
	Audio Mix		4 Stereo (8ch) or 5.1ch		
	Bit Rate	AC-3 AC-3 Pro MPEG1 AAC LC HE AAC v2 AC-3 Pro 5.1 AAC LC 5.1	128, 192, 256, 384 KHz 96, 112, 128, 160, 192, 224, 256, 320, 384KHz 64, 96, 112, 128, 160, 192, 224, 256, 320, 384KHz 32,48,56,64,80,96,112, 128,160,192, 224, 256, 320, 384KHz 32, 48, 56, 64, 80, 96KHz 224, 256, 320, 384, 448, 576, 640KHz 96, 112, 128, 160, 192, 224, 256, 320, 384KHz		
	Dolby E-Pass Through		*Under the audio input source of Dolby-E only 96, 112, 128, 160, 192, 224, 256KHz		
	Delay		-100 ~ 400 ms		
	TS Input	Transport Stream		DVB-ASI 1port	
		Connector		BNC (75 Ω)	
		Packet Format		188 Byte	
	TS Output	Output Level		800 mVp-p	
		Transport Stream		ASI 2port	
Connector			BNC (75 Ω)		
IP TS Output	TS Bit Rate		MPEG-2 : 2.5~60 Mbps, H.264 : 2.5~60 Mbps		
	Packet Format		188 Byte		
	Output Connector		RJ-45		
	Ethernet type		10/100/1000 Base-T		
	Stream Protocol		UDP/IP, RTP/IP		
Ethernet	Broadcasting		Multicast, Unicast		
	TS Bit rate		MPEG-2 : 2.5~60 Mbps, H.264 : 2.5~60 Mbps		
	Connector		RJ-45		
	Interface Type		10/100 Base-T		
General	Protocols		SNMP		
	Power Requirements		AC 90~230 V, 50/60 Hz		
	Power Consumption		Max. 100 W		
	Weight		4 Kg		
	Operating Temperature		-10 ~ 50 °C		
Dimensions (W x H x D)		482 x 44 x 483 mm			

Configuration

