



MPEG2/4 4:2:0/4:2:2 AVC SD/HD Encoder ENC-224-0-SH-E

Temix ENC-224-0-SH-E MPEG2/MPEG4 HD/SD 4:2:2/4:2:0 Encoder is a high quality, professional, flexible and really cost-effective solution for digital satellite uplinks.



This Encoder is a state of the art evolutionary product which is the best performing & fully programmed high-end encoding with the highest video quality and lowest latency.

Relevant features are:

- Component, Composite, HDMI, HD/SD-SDI video inputs
- Ultra low latency as 150ms
- Full HD up to 1080P
- Support 4:2:2 (10 bit) & 4:2:0 (8 bit)
- Digital, Analog and SDI embedded audio (8 channel optional) 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 2x Transport 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.
- Integrated Advanced Scaler function: Control of Frame rate; Image enhance; Phase Noise; Correction of Color; Control of Gamma.

Benefits:

- High-End Encoding
- MPEG2 & MPEG4 H.264
- HD & SD
- Ultra Low Latency 150ms
- Chroma Format
4:2:2 (10 bit)
4:2:0 (8 bit)
- Option: Video Confidence Monitoring

*The Information included in this data sheet may be changed without advise. rev_01/18

Video Input		Audio Input	
Analog Input	Component , Composite up to 1080i	Analog Input	1 stereo
Level	1 Vp-p	Freq. Range	20Hz - 20KHz
Digital Input	HDMI , HD-SDI	Impedance	600 Ohm
Level	1000 mVp-p (HDMI) 800mVp-p (HD-SDI)	Connector	Mini XLR
Resolutions	480i29,97, 576i25,	Digital Input	AES-EBU, Embedded SDI/ HDMI
	720p50/59,94	Sampling Rate	32, 44,1, 48 KHz
	1080i25/29,97 1080p25/29,97	Connector	BNC (75Ohm) / HDMI-19PIN
SD Aspect Ratio	4:3, 16:9	Optical Input	SPDIF (7.1 Channel) (pass through)

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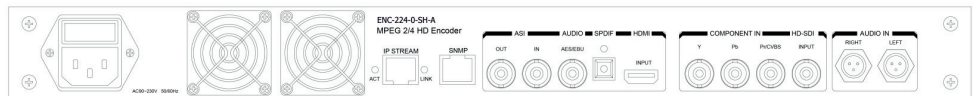
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- Reduce the cost of transmission as supporting wide range of bit-rate control and advanced video coding techniques

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 (8bit), 4:2:2 (10bit)	PSNR	38dB
Bit Rate Mode	CBR,VBR	Latency	150ms typical
Audio Encoder			
Dolby Digital® AC-3(7.1CH)	128, 192, 256, 384 Kbps	MPEG-4 AAC-LC	32-384 Kbps
MPEG-1 Layer II	192, 224, 256, 320, 384 Kbps	MPEG-4 HE-AAC v1 MPEG-4 HE-AAC v2	32-192 Kbps 32-96 Kbps
TS Input			
Transport Stream	ASI 1 Port	Connector	BNC (75 Ohm)
Packet Format	188 Byte	Input Level	800mVp-p
TS Output			
Transport Stream	ASI 2 port	Connector	BNC (75 Ohm)
TS Bit Rate	MPEG-2: 2.5-60 Mbps H.264: 2.5-60 Mbps	Packet Format	188, 204 Byte
IP TS Output			
Output	1 Port	Ethernet type	10/100 Base-T
Connector	RJ-45	Format	UDP/IP, RTP/IP
IP Address Format	Multicast, Unicast	TS Bit rate	MPEG-2 : 2.5-55 Mbps MPEG-4 AVC: 2.5-55 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	4.7 kg		
Operating Temper.	0~50°C		
Dimension	19" x 1RU x 400 mm (W x H x D)		

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