

MPEG2 HD & MPEG4 HD/SD 4:2:0 Encoder ENC-024-0-SH-E

Temix ENC-024-0-SH-E MPEG2 HD & MPEG4 SD/HD 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. Compact sized in 1RU chassis.

Relevant features are:

- Component, Composite, HDMI, HD/SD-SDI video inputs
- Low Latency 800ms
- Full HD up to 1080p
- Support 4:2:0 (8 bit) Chroma Format
- Digital, Analog and SDI embedded audio inputs
- Additional 1 x ASI input for supporting of insertion of externally generated PSIP into the TS
- 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, Control of Gamma
- Selectable MPEG-2 HD or MPEG-4 AVC HD/SD real-time video encoding.
- Simultaneous output of 2 x Transport Stream (ASI) with UDP/IP or RTP/IP TS.
- 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
- Control and monitoring via web browser, front panel, or SNMP.
- CBR or VBR outputs
- Excellent IP converter integrated

Video Input		Audio Input	
Analog Input	Component , Composite up to 1080i	Analog Input	1 stereo (2 channels)
Level	1 Vp-p	Freq. Range	20Hz - 20KHz
Digital Input	HDMI , SDI	Impedance	600 Ohm
Level	1000 mVp-p (HDMI) 800mVp-p (SDI)	Connector	Mini XLR
Resolutions	480i29,97/30, 576i25, 720p50/59,94/60 1080i25/29,97/30 1080p25/29,97/30	Digital Input	AES-EBU, Embedded SDI/ HDMI
		Sampling Rate	32, 44,1, 48 KHz
		Connector	BNC (75Ohm) / HDMI-19PIN
SD Aspect Ratio	4:3, 16:9	Optical Input	SPDIF (7.1 Channel) (pass through)

Benefits:

- High-End Encoding
- Low Latency 800ms
- Chroma Format 4:2:0
- Resolutions 1080p

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

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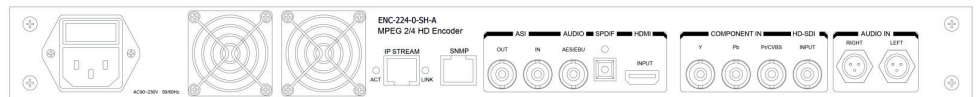


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Video Encoder			
Encoding	MPEG-2 HP@HL, MP@HL, MP@ML, H.264 HP@L4, MP@L3	Encoding Rate	MPEG-2: 2.0-17.2 Mbps H.264: 0.5-10 Mbps
Chroma Format	4:2:0 (8bit)	PSNR	36dB
Bit Rate Mode	CBR,VBR	Latency	800 ms typical
Audio Encoder			
Dolby Digital® AC-3 (7.1CH)	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	32-192 Kbps
		MPEG-4 HE-AAC v2	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: 3.1-20 Mbps H.264: 1.8-20 Mbps	Packet Format	188 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 : 3.1-20 Mbps H.264: 1.8-20 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°C to +50°C		
Dimension	19" x 1RU x 400 mm (W x H x D)		

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



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