

Encoder H.264 HD - 4 in 1 Channel

Encoder H.264 HD - 4 in 1 Channel is a new generation professional digital TV encoder which supports up to 1920x1080p video format and equipped with GbE TS over IP output. Encoder H.264 HD - 4 in 1 Channel is designed and manufactured according to ISO/ICE 14496-10, ITU-T H.264, IEEE802.3 and related international standards. It is a high quality and cost-effective product for H.264 HD video/audio encoding application. Encoder H.264 HD - 4 in 1 Channel supports SDI, HDMI video input formats, has two DVB-ASI output ports and one GbE port of TS over IP. The user can manage the device easily through the 100M Ethernet port.



Features

- Support H.264/AVC High Profile Level4.2
- Up to 1920x1080P video format
- Support SDI, HDMI video inputting interfaces
- 10/100/1000BASE-T with Auto-negotiation bite rate Ethernet output
- Zero jitter on IP output
- Zero jitter generation on TS over IP output
- Setting program and supplier name through internet.
- Both local or remote network management and online update.
- 10/100M Base-Tx management interface
- Support brightness, color saturation, contrast and color adjustment
- Support 4 channels encode

Application

- Digital TV headend system
- Video monitoring
- Video on Demand (VOD)
- Remote video education
- Video conference

Compliant

- ISO/IEC 14496-10 Advanced Video Coding (AVC)
- ITU-T H.264
- IEEE802.3

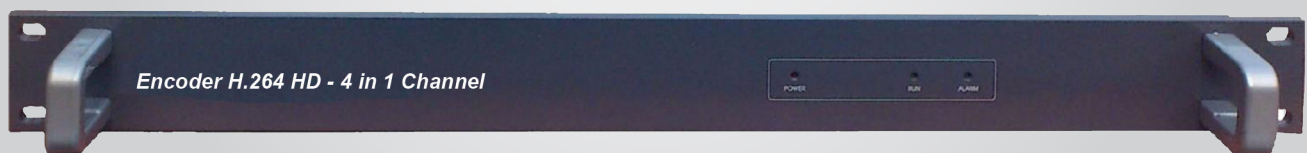


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Technical Specifications

Parameter	Symbol	Description	Unit	Remark
Mechanical dimension				
Height	H	42	mm	About 1U
Width	W	434	mm	About 17"
Depth	D	340	mm	
ASI Output interface				
Number of ASI input	-	2		
Impedance	-	75		
Connector	-	BNC	NA	
Maximum bit rate	-	108	Mbps	
TS packet format	-	188 or 204	Byte	Automatic detection
Transmission format	-	Data packet or data burst	NA	
IP Output				
Type		10/100/1000BASE-T		Auto-Negotiation
Connector		RJ45		
Max. bitrate		1.25	Gbps	
Max. throughput		240	Mbps	
Compatible protocol		IP V4, UDP, ARP		Support Multicast/ Unicast
Encoding Parameters				
Video Encoding		4X SDI BNC-75Ω 4X HDMI		
Audio Sampling Freq	Fs	32,44.1,48	KHz	
Audio Rate	Ra	64,128,192,256,384	Kbps	
Audio Performance	-	MPEG-1 Layer 1/2, CD quality, support to one path stereo or double channel		
Resolution	-	1920X1080p and below compatible		
Output rate	Rv	4~108	Mbps	Adjustable
Video Encoding	Fs	32,44.1,48	KHz	
Audio Sampling Freq	Ra	64,128,192,256,384	Kbps	

Front panel :



Rear panel :

