

Encoder H.264 HD - Single Channel with IP Output+SDI

Encoder H.264 HD - Single Channel with IP Output+SDI encoder 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 - Single Channel with IP Output+SDI is designed and manufactured according to ISO/IEC 14496-10, ITU-T H.264, IEEE802.3 and related international standards. It is a high quality and cost-effective product for H.264/AVC HD video/audio encoding application. WDE-H220 supports analog CVBS/PrPbY, 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 analog CVBS/PrPbY, 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 and front panel.
- Both local or remote network management and online update.
- 10/100M Base-Tx management interface
- Support brightness, color saturation, contrast and color adjustment

Application

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

Compliant

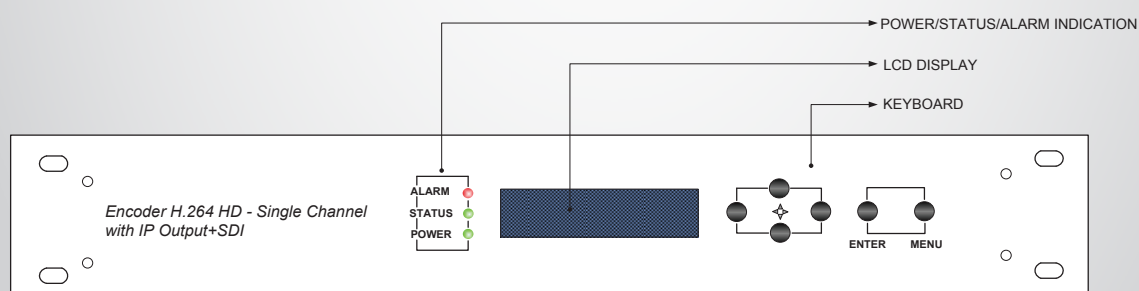
- ISO/IEC 14496-10 Advanced Video Coding (AVC)
- ITU-T H.264
- IEEE802.3



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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		Consistent with the ASI Output	Mbps	
Compatible protocol		IP V4, UDP, ARP		Support Multicast/ Unicast
Encoding Parameters				
Video Encoding		One CVBS BNC-75Ω One SDI BNC-75Ω (with loop out) One 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	0~60	Mbps	Adjustable
Video Encoding	Fs	32,44.1,48	KHz	
Audio Sampling Freq	Ra	64,128,192,256,384	Kbps	



Rear panel:

