

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



www.youfibercable.com

Description

WDE-H220 HD H.264/AVC HD encoder is a new generation professional digital TV encoder which supports up to 1920x1080p video format and equipped with GbE TS over IP output. WDE-H220 is designed and manufactured by Ningbo Youxin Company 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/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.

Recommended Operating Conditions

Stress in excess of the maximum absolute ratings can cause permanent damage to the device (See Table 1)
 Table 1 – Recommended Operating Conditions

Parameter	Symbol	Min.	Max.	Unit
Supply Voltage <small>Note</small>	V	90	250	V
Supply Frequency	F	49	51	Hz
power consumption	C		25	W
Ambient Operating Temperature	Tw	0	+50	° C
Storage Temperature	Ts	-25	+55	° C
Operating Humidity	H	10	75	%

Note: Support both 110V and 220V supply voltage standards, but please let us know which one do you need when you release order

Specifications

E-mail: youfibercable@youfibercable.com

MSN: youfiber@hotmail.com

Table 2 – 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	

Applications

- ◇ Digital TV headend system



H.264 HD Encoder with IP output WDE-H220 www.youfibercable.com

- ◇ Video monitoring
- ◇ Video on Demand (VOD)
- ◇ Remote video education
- ◇ Video conference