

Encoder MPEG-2 - Single Channel

Encoder MPEG-2 - Single Channel is compliance to DVB standard broadcast real-time video and audio MPEG-2 compression equipment with both DVB-ASI and GbE TS over IP outputs. It's adopts new type video, audio coding calculation and multiplexer technology, it can compress analog/digital audio and video signal and with high quality encoding and cost-effective. It supports analog composite video and dual audio channels. The encoder can real-time coding and multiplexing of audio signal. It's fully compliant to MPEG-2 standard and with good compatibility.



Features

- Video compress compliant to ISO/IEC13818-2(MPEG2)
- Optional aspect ratio 1:1,4:3,16:9
- Composite CVBS, single Pr/Y/Pb (Optional) video and stereo audio inputs
- Input video style adaptive, adjustable rate output
- Two DVB-ASI outputs
- One 10/100/1000Mbps TS over IP Ethernet port with bitrates auto-negotiation able
- 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

- EN 50083-9
- ISO/IEC 13818-2 (MPEG-2)
- ETSI TR 101 154
- ETSI TR 101 891
- IEEE802.3



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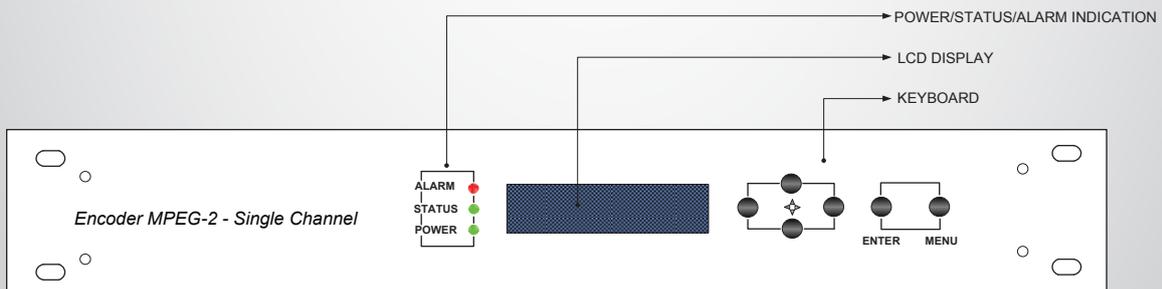
Satellite & CATV equipment

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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	-	4:2:0 MP@ML (MPEG-2)		
Audio Sampling Freq	Fs	32,44,1,48	KHz	
Audio Rate	Ra	128,256,384	Kbps	
Audio Performance	-	MPEG-1 Layer 1/2, CD quality, support to one path stereo or double channel		
Resolution	-	Compliant to CCIR601 PAL:720×576 and below compatible NTSC:720×480 and below compatible		
Output rate	Rv	0~15	Mbps	Adjustable

Front panel:



Rear panel:

