

UMH230 MPEG-2 SD Encoder



The UMH 230 is Wellav's new real-time 2-channel MPEG-2 SD encoder. It can support simultaneous MPEG-2 encoding of two programs in real time with independent ASI outputs or in one multiplexed output. It also support composite input .With easy network management tool and affordable prices, this model is ideal for MPEG-2 encoding for both content distribution and redistribution.

Features

- Two-channel 4:2:0 MPEG-2 SD encoding
 - 1.5 Mbps to 15 Mbps
 - DVB compliant
- MPEG-1 layer II audio encoding
- Four audio channels are analog input
- YCbCr, CVBS input
- Three independent ASI outputs including one multiplexed ASI output
- Support MPEG-2 frame/field motion estimation and DCT
- Support editing of program/service provider name and PID setting
- TS stream PCR synchronization
- Managed via front panel or network management software (SNMP support)

Specifications

Video Input	Video Encoding	Environmental
Input interfaces: CVBS x 2, YCbCr x2	Encoding technique: MPEG-2 MP@ML	Operation temperature: 0°C ~+50°C
Systems: PAL and NTSC	Chroma format: 4:2:0	Size: 1RU rack mount chassis
Input resolution: 576_50i, 480_60i	GOP configurable: I, IP, IPB, IPBB	Dimensions (H x W x D): 44mmx484mmx306mm
Multiplexing output support for IP (optional)	GOP size: 6-96	Net weight: approx 5Kg
Connector type: 75 Ω, BNC	Video bit rate: 1.5~15Mbps	
Aspect ratio: 4:3, 16:9	Modes: CBR & VBR	
Video Output	Audio Input	Power Requirements
3 independent ASI output (two identical, one with multiplexing output support)	Number of input channel: 4 (Analog R/L x2), SDI Embedded audio (BNC) x 2	AC Power
Connector type: 75 Ω, BNC	Embedded audio format: SMPTE 272M	Voltage range: 90V~250V
ASI bit rate: 270Mbit/s + 100ppm		Line frequency: 50~60Hz, x x A
Support burst mode and continuous mode		Consumption: < 50W fully equipped
Independent and multiplexing output selectable		
Output level: 800mVpp±10%	Audio Encoding	
Max output bit rate: 72Mbps	Encoding technique: MPEG-1 Layer2	
TS packet length: 188 / 204 bytes	Sampling frequency: 32KHz, 44.1KHz, 48KHz	
	Number of channel: Up to 2 stereo pairs	
	Audio mode: stereo, joint stereo, dual channel, mono	
	Audio bit rate: 32~384Kbps	
IPTS Output	Monitor and Control	
Number of outputs: 1	Management interface: Ethernet 10/100 Base-T	
Output type: RJ45	Connector type: RJ45	
Ethernet type: 1000 Base-T	Protocol: SNMP	
Encapsulation: MPEG-2 TS over UDP/RTP	Front panel: LCD display with control keys	
Broadcasting type: Unicast, multicast		
TS Bit Rate: follows the ASI output rate		
Multicast control protocol: IGMP		
TS packet length: 188 / 204 bytes		

Order Information

MPEG2 Encoder

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