

UMH 260

MPEG-2 Multi-channel Encoder/Multiplexer

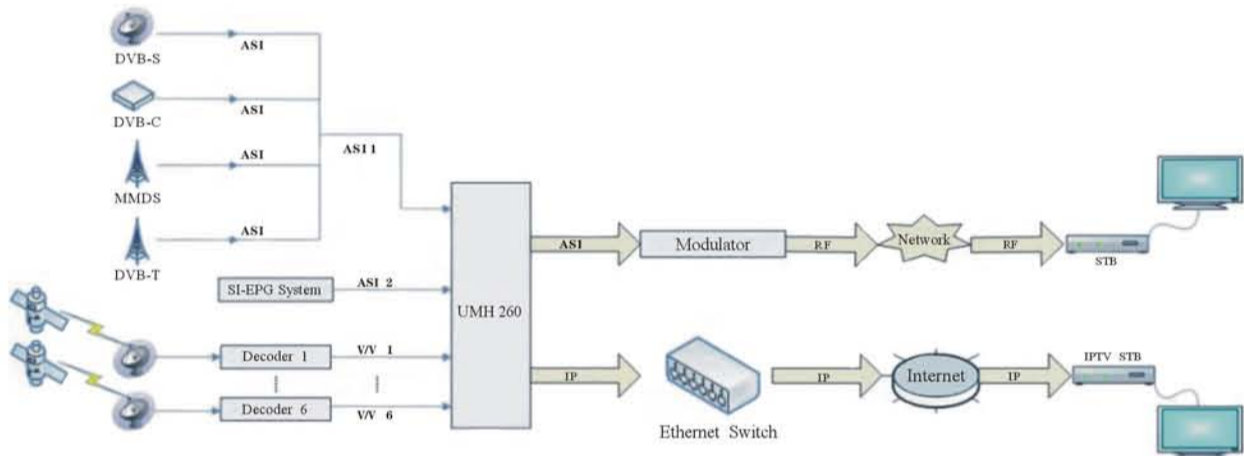


Description

UMH 260 is WellAV's new real-time, multi-channel MPEG-2 encoder with multiplexing capabilities. It can encode up to 6 analogue Video/Audio channels, multiplex them with two additional ASI inputs and provide both ASI and IP output for operation flexibility. It not only delivers best video/audio quality signal cost effectively, but also offers a powerful PSI/SI processing and TS multiplexing function. This dense design model provides the best value for operator's encoding (both video and audio) and multiplexing needs.

Features

- 4:2:0 MPEG-2 Encoding Profile
- Up to 6 channel encoding
- Support MPEG-2 frame/field motion estimation and DCT
- TS stream PCR synchronization
- 2 identical ASI transport stream outputs
- 1 TS over IP stream output (optional)
- Program/Service Provider name setting
- DVB/ATSC Compliance
- Advanced Multiplexing of 6 internal and 2 external ASI-input TS streams
- PID re-mapping and TS processing
- PSI/SI auto-generation and processing
- Support DVB table editing and EPG insertion
- Private Data/teletext insertion
- SNMP/Local front panel monitoring and configuration



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Specifications

Inputs

Analogue Video

- 6 composite inputs
- Interface: BNC connector
- Video format: NTSC/PAL

Transport Stream

- 2 ASI input ports
- Interface: BNC connector
- 1 RS232 port
- Input packet length: 188 or 204

Analogue Audio

- 6 independent audio inputs
- Interface: RCA Left, Right

- Input impedance: 75 ohm
- Input bit rate: up to 100Mbps
- Max. PID per input: 600
- Max. PMT per input: 100

Video/Audio Encoding

- Video encoding: 4:2:0MP@ML
- GOP Structure: I,IP,IPB,IPBB
- GOP Size: 6-96
- Video bit rate: 1.0-15Mbps

- Audio encoding: MPEG-1 Layer2
- Audio bit rate: 64-384Kbps
- Audio mode: Stereo, Joint Stereo, Dual Channel, Mono

Multiplexing Outputs

- 2 ASI outputs
- Output impedance: 75ohm
- Output packet length: 188 or 204
- 1 TS over IP output (optional)

- Output bit rate: up to 80Mbps
- Output PID number : up to 600
- Output PMT number: up to 100
- Output TS Standard: DVB/ATSC

Control and Monitoring

Local:

- Full front panel control
- LCD Display, Control keys

Remote:

- Network management software
- Ethernet 10/100 based on RJ45

Physical characteristics

Power:

- Input voltage: AC 100V-250V, 50/60 Hz
- Power consumption(Max): 50W

Dimension (H×W×D):

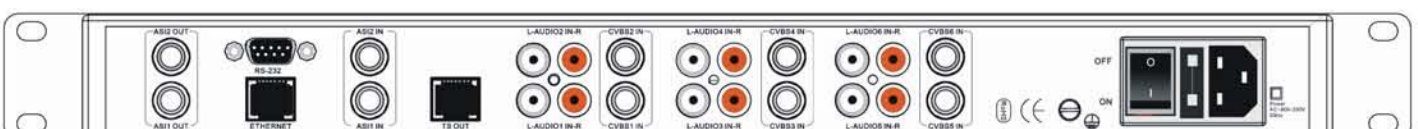
- Unit: 44mm× 430mm× 335mm
- Package: 210mm× 580mm× 570mm

Size:

- Standard 1RU(19" rack)

Weight:

- Net weight: 4.5kg



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