

DTV Headend



UMH 240 H.264 SD Encoder



Description

The UMH 240 is Wellav's new generation H.264 standard encoder. It has improved algorithm and compression efficiency, which makes it possible to provide major improvements in picture quality, offering crisp, vibrant video at extremely low bit-rates. The UMH 240 delivers more video and audio channels in the available bandwidth, enabling the launch of additional services in an existing network.

Features

1. High performance encoder with close structure and H.264/MPEG4 - AVC standard
2. MPEG-1 Layer II audio encoding (sampling frequency 48KHz)
3. SD video input format: NTSC/PAL
4. Entropy encoding supports CABAC algorithm, and supports within-ring de-blocking filter
5. IP encoding output meets with UDP protocol
6. Supporting auto-retain when the power is off
7. Supporting operation log
8. Supporting multiplexing of MPEG4 video and audio compressing data stream, supporting DVB packing
9. Supporting and editing SI relation information table (SDT)

Specification

Input

- Video CVBS, SDI (BNC)
- Audio 1 XLR and RCA, supporting SDI embedded audio

Output

- TS Double mirror ASI outputs(188), supporting E.1 interface compatible with G.703 (Optional)
- Bit Rate :10Mbps in maximum

Video Encoding

- Encoding technique supporting MPEG-4 part 10 MP@L1~3, supporting FULL D1 real-time encoding
- GOP structure configurable
- Date ratio control: VBR, CBR

Audio Encoding

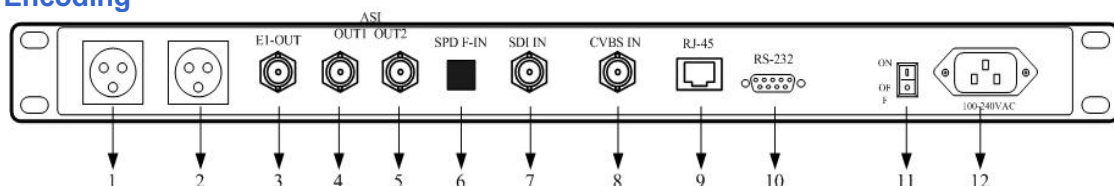
- Encoding technique supporting MPEG-1 Layer2 and stereo audio encoding
- Sampling frequency: 48KHz
- Channel: supporting mono, stereo

Control & and IP output (RJ45)

- IP output : direct IP encapsulation output, TS over IP
- Local monitor: buttons and LCD display screen
- Remote control: supporting TCP/IP protocol and standard WEB control interface module

Physical Characteristics

- 1RU box (19" rack), 5Kg in weight
- Dimension: 484mm(W)X444mm(H)X306mm(D)
- AC 100V-240V, 50/60 Hz, 20W



1&2: Balanced audio input left, XRL plug; 3: BNC EI output; 4~ 5: ASI output; 6: SPD F-IN 7: BNC SDI input;

8: BNC CVBS input; 9: RJ45 network interface; 10: RS232; 11: Power switch; 12: AC power supply input