

ORDER GUIDE

DMB-9800 MPEG-2/H.264 SD Universal Encoder

DMB-9810 MPEG-2/H.264 SD Four-Channel Encoder

DMB-9820 MPEG-2/H.264 SD Eight-Channel Encoder



OVERVIEW

DMB-9800 SD MPEG-2/H.264 Universal Encoder features high performance, low latency and ultra-low bit rates for broadcast level DTV systems, and adopts state-of-the-art compression cores to realize changes between MPEG-2 and H.264 encoding. DMB-9800 Universal Encoder is equipped with diversified Audio&Video input interfaces, including CVBS, SDI, analog balanced XLR and unique Dual-Audio (unbalanced L&R). Moreover, it is coupled with external 1*ASI input, providing cascade with another Encoder to eliminate the need of multiplexers, and also simplify the Network architecture in carrying out high reliability solutions. DMB-9800 provides output interfaces, supporting 1+1*ASI backup, and MPTS or 1*SPTS over IP out, UDP protocol. It has high integration and practicability, widely applied to DTV head-end systems and Distribution systems.

FEATURES

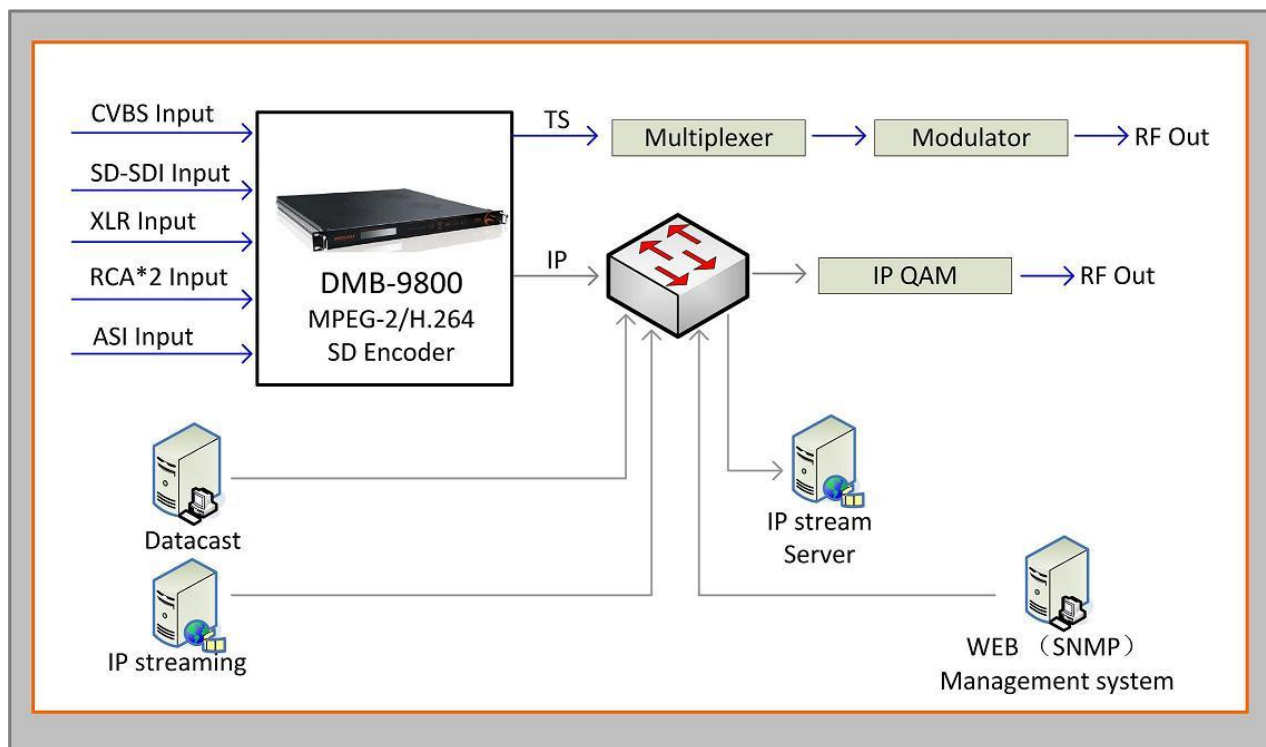
- Video encoding options: MPEG-2/H.264
- PAL/NTSC modes available
- Audio compression: MPEG1 Layer2, LC-AAC, HE-AAC
- Support Dual-Audio input (2*stereo or 4*mono)
- Providing PSI/SI compilation and NIT, LCN insertion

DMB-9800 MPEG-2/H.264 SD Universal Encoder

DIGICAST | DTVANE

- Diversified input interface: CVBS, SD-SDI, XLR
- Enabling ASI and IP output
- Controlled by keyboard on front-panel, LCD display
- Remote managed by web browser via Ethernet interface

APPLICATIONS



SPECIFICATIONS

VIDEO SPECIFICATIONS

Video compression: H.264, MPEG2

Video inputs: CVBS, SD-SDI

Analog video input mode: PAL, NTSC

Resolution: PAL: 720*576i, 352*288i, 320*240i, 320*180i,
176*144i, 160*120i, 160*90i @50Hz
NTSC: 720*480i, 352*288i, 320*240i, 320*180i,
176*144i, 160*120, 160*90 @59.94Hz

Bit-rate: MPEG-2: 0.5~15Mbps, CBR/VBR

H.264: 0.25~15Mbps, CBR/VBR

Video pre-processing: De-interlacing, Noise reduction, Sharpen

AUDIO SPECIFICATIONS

Audio compression: MPEG-1 Layer2, LC-AAC, HE-AAC

Audio inputs: Dual unbalanced L&R, balanced XLR

Sampling rate: 48KHz

Sampling accuracy: 24-bit

Encoding bit rate: 64 ~ 384Kbps

MULTIPLEXING SPECIFICATIONS

Multiplexing external 1*ASI in with local encoded program

Providing PSI/SI compilation and NIT, LCN insertion

OUTPUTS

ASI output

Output channel: 1*ASI+1*ASI (backup), BNC interface

TS standard: EN 50083-9 ASI

Max. output bit rate: 170Mbps

MPEG frame: 188/204 Byte

Reflection loss: >10dB

Connector: 75 ohm, BNC interface

IP output

Transport protocol: TS over IP output, UDP protocol

IP output channel: 1*MPTS/SPTS

Support empty packets filtering

Connector: RJ45, 10/100M

GENERAL OPTIONS

Controlling and Monitoring

Connector: 1*RJ-45, 10/100 Base-T (NMS interface)

Remote control: by NMS

Local control: keyboard on front panel, LCD display

Physical and Power

Voltage: 90~260VAC, 50/60Hz

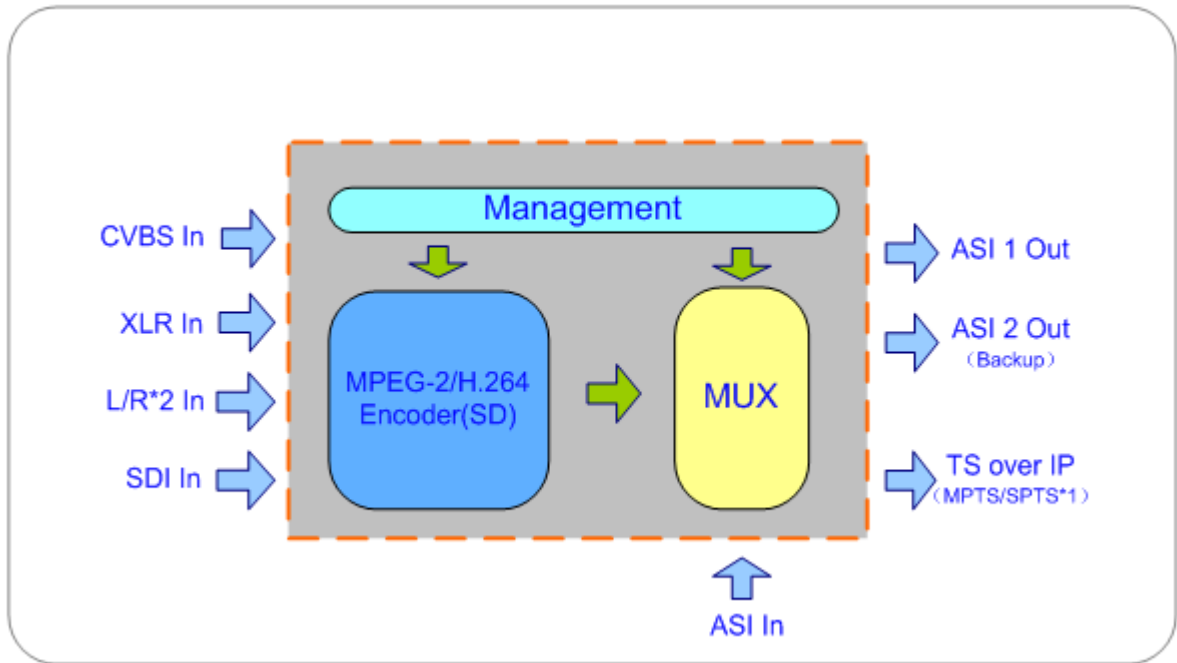
Consumption: 25W

Operating temperature: 0~50°C

Dimensions: 482mm(W)*455mm(D)*45mm(H)

Weight: 4Kg

DIAGRAMS



Should you have any questions, please don't hesitate to contact with us.