

### ORDER GUIDE

DMB-8800 HD H.264 Universal Encoder

DMB-8810 HD H.264 Four Channel Encoder (HDMI or SDI input optional)

DMB-8820 HD H.264 Eight Channel Encoder (HDMI or SDI input optional)



### OVERVIEW

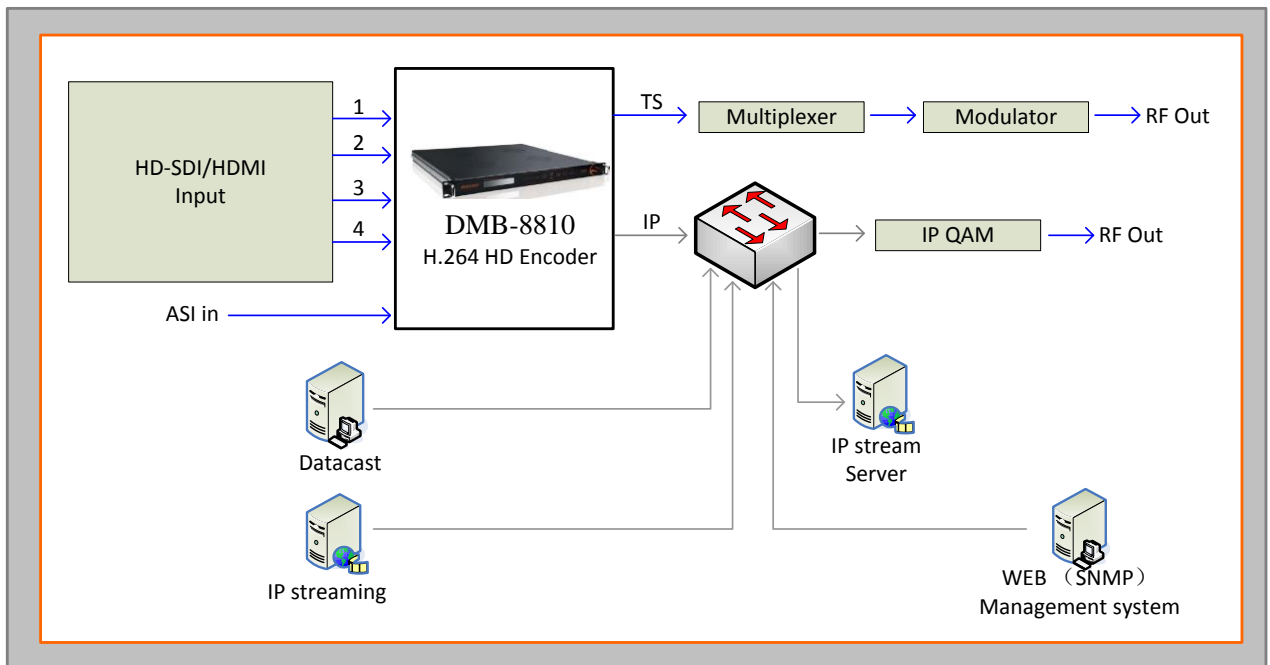
DMB-8810 HD H.264 Four-Channel Encoder features high performance, ultra-low latency and low bit rates for DTV systems, and adopts state-of-the-art compression technology(H.264/AVC) to achieve compression efficiency of the former MPEG-2 standard by over two times, as well as excellent resolution. Audio encoding supports MPEG-1 Layer2, HE-AAC, LC-AAC by option. The device provides input interfaces of HDMI or SDI by option, and ASI output and TSoIP(UDP/IP) output after loss-less compression processing. The unique empty packets filtering capability enables the spectrum source to be saved for IPTV systems. DMB-8810 has an external 1\*ASI input, which can be multiplexed with local multi-programs to eliminate the needs of multiplexers, and also simplify the network architecture for high reliability solutions. DMB-8810 Encoder is the preferred device for content source encoding of DTV broadcasting system to address the ever-increasing demand for more premium viewing experiences.

### FEATURES

- Advanced video compression: H.264/AVC high profile level 4.0
- Providing ASI and IP (UDP/IP) output
- Equipped with empty packets filtering of IP out

- Input interface: HDMI or HD-SDI by option
- Multi-pass LookAhead CBR or VBR encoding
- Built-in PCR capability
- Support multiplexing with external 1\*ASI in
- Providing PSI/SI compilation and NIT, LCN insertion
- PAL/NTSC modes available
- Controlled by keyboard on front-panel, LCD display
- Managed by web browser via Ethernet interface
- Upgraded via Ethernet interface

### APPLICATIONS



### SPECIFICATIONS

#### VIDEO SPECIFICATIONS

- Video compression: H.264/AVC high profile level 4.0
- Video inputs: 4\*HDMI (HD-SDI optional)
- Analog video input mode: PAL, NTSC
- Resolution: NTSC: 1920\*1080\_60P, 1920\*1080\_60i, 1280\*720\_60P, 720x480\_60i
- PAL: 1920\*1080\_50P, 1920\*1080\_50i, 1280\*720\_50P, 720x576\_50i

Bit-rate: 0.8 ~ 19Mbps, CBR/VBR

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

#### **AUDIO SPECIFICATIONS**

Audio compression: MPEG-1 Layer2 (MPEG-2/4 LC-AAC, HE-AAC (V2) optional)

Audio inputs: HDMI (SDI optional)

Sampling rate: 48KHz

Sampling accuracy: 24-bit

Encoding bit rate: 64 ~ 384Kbps

#### **MULTIPLEXING SPECIFICATIONS**

Multiplexing with external ASI (1\*SPTS or MPTS) in

Multiplexing with 4 local encoded programs

Providing PSI/SI compilation and NIT, LCN insertion

#### **OUTPUTS**

##### **ASI output**

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

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 or 4\*SPTS

Support empty packets filtering

Connector: RJ45, Gigabit Ethernet (1000M)

### **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

DIAGRAM

