

DXP-5800/5801EC



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8-Channel H.264 HD/SD Encoder Main Feature • Compile with H.264/AVC HP@L4.0 • MPEG1 Layer II, MPEG2 AAC-LC, MPEG4 AAC-LC audio compression (see ordering information) • 8-way real time encoder with re-multiplexed integrated • Built-in re-Mux accepts up to 10 SPTS/MPTS (8 from local encoders, 2 from external input over IP and ASI) • 1 ASI input (for daisy chain) & Redundant ASI output • Full duplex Gigabit TS over IP I/O (under Full duplex operation mode) • Up to 9 multicast/unicast output (under Multiple output operation mode) • VBR and CBR encoding mode • Free resolution downscale at same frame rate • SNMP & HTTP WEB • Redundant Power Supplies • 19" x 1 U EIA standard chassis

Rating: Not Rated Yet

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Description

Specification

Video input & compression

Number of input ports HDMI x 8 or HD-SDI x 8
Compression Standard H.264/AVC HP@L4.0
Video Sampling Format 4:2:0, 8-bit, YCbCr
Video Encoding Bit Rate 2~30Mbps for each channel

Video Resolution & Recommended Bit Rate

1080p (1920x1080) @ 59.94 Hz, 50Hz: SMPTE296M: 6~30Mb/s
1080 (1920x1080) @ 25Hz, 29.97Hz, 30Hz: SMPTE274M: 6~24Mb/s
1080i (1440x1080) @ 25Hz, 29.97Hz, 30Hz: SMPTE274M: 5~24Mb/s
720p (1280x720) @ 50Hz, 59.94Hz, 60Hz: SMPTE296M: 4~24Mb/s
480i (720x480) @ 29.97Hz: SMPTE656M: 2~10Mb/s
576i (720x576) @ 25Hz: SMPTE656M: 2~10Mb/s

Other Video Resolution

Free resolution downscale at same framerate
Aspect Ratio 4:3/16:9 Selectable

Audio Input & compression

Input HDMI or SDI Embedded audio
Audio Compression MPEG1 Layer II, MPEG2 AAC-LC, MPEG4 AAC-LC (option)
Sampling Rate 48KHz
Compression Bit Rate 32~192Kbps (Mono), 64~384Kbps (Stereo), 128~512Kbps (AAC LC)

DVB-ASI Input

Interface BNC Female, 75Ω
Maximum Input Bit rate 100 Mb/s

Data Transfer type Byte

Packet Length 188 or 204 Bytes
Signal Level 200 ~ 880mVp-p

DVB-ASI Output

Interface BNC Female, 75?
Max. Effective Data Rate 120 Mb/s
Data Transfer type Byte
Packet Length 188 or 204 Bytes
Signal Level 800±80mV
Gigabit TS_over_IP (Full Duplex Mode)
Standard IEEE 802.3, 10/100/1000 Base-T, Full Duplex
Max. Effective Bit Rate 80Mb/s
Data Protocol UDP or RTP, SPTS or MPTS
Control Protocol ICMP, ARP, IGMPv2
Gigabit TS_over_IP Output (Multi-Channel IPTV Mode)
Standard IEEE 802.3, 10/100/1000 Base-T,
Max. Effective Bit Rate 200Mb/s
Data Protocol UDP or RTP, SPTS or MPTS
Control Protocol ICMP, ARP, IGMPv2

Rear Panel

ASI In 1×BNC Female, 75?
HD-SDI In 8×BNC Female, 75?
(DXP-5800/5801EC-S)
HDMI In 8×HDMI Male, 75?
(DXP-5800/5801EC-H)
ASI Out 2×BNC Female, 75?(1 Backup)

Front Panel

Control 1×RJ-45, 10/100 Base-T
TS/IP 1× IP (GbE), RJ-45, 10/100/1000 Base-T
Display 2×20 LCD Display

Others

Power Supply AC90~260V 50/60Hz
Operating Temperature 0~45?
Storage Temperature -10~60?
Operation Humidity 10~90%, (Non-condensed)