

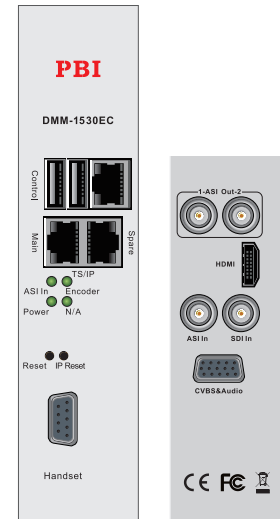
DMM-1530EC

H.264 HD/SD, MPEG-2 SD Encoder/Transcoder module

The DMM-1530EC HD/SD encoder module provides multiple input interfaces for complexity network environment. In addition to H264 HD/SD, the unit also support MPEG-2 SD encoding/transcoding. The advanced remux makes the after encoding stream more flexible to adapt different PSI/SI range requirement. Also, the complete output interfaces make the module more adaptive.

Main features

- H.264/AVC HP@L4.0 & MPEG-2 MP@ML
- HD/SD-SDI, HDMI and Composite inputs
- Independent Encoding/Transcoding mode control
- Transcoding from MPEG2 to H.264/AVC & viceversa
- VBR/CBR supported
- 1920x1080p@ 29.97Hz, 25Hz(HDMI)
- PSI/SI Editing supported
- Duplex IP, IPTV and Multiple MPTS outputs
- HTTP WEB and SNMP supported



Specification

Video	
Interfaces	HD/SD-SDI, HDMI, CVBS
Standard	H.264/AVC HP@L4.0/MPEG-2 MP@ML
Bandwidth	300K~20Mbps
Video Resolution	1080p (1920 × 1080) @ 25Hz, 29.97Hz: SMPTE274M: 1~13Mb/s 1080i (1920 × 1080) @25Hz, 29.97Hz: SMPTE274M: 1~13Mb/s 720p (1280 × 720) @50Hz, 59.94Hz:: SMPTE296M: 1~13Mb/s 480i (720 × 480) @29.97Hz: SMPTE656M: 600K~8Mb/s 576i (720 × 576) @25Hz: SMPTE656M:600K~8Mb/s
Ratio	4:3/16:9
Audio	
Audio1	SDI/HDMI Analog Left/Right AES/EBU
Audio2	SDI/HDMI Analog Left/Right
Standard	MPEG1 Layer II MPEG-2/4 AAC-LC/HE-AAC (V1, V2)
Sample rate	48KHz
Recommend Compression Bit Rate	MPEG1 Layer II: 64~384Kb/s (Stereo), 32~192Kb/s (Mono) MPEG2/4 AAC-LC: 48~512Kb/s (Stereo), 24~256Kb/s (Mono) MPEG2/4HE-AAC (V1, V2): 32~256Kb/s (Stereo), 16~128Kb/s (Mono)
Transcoding	
Transcoding Mode	H.264 to MPEG-2, H.264 to H.264, MPEG-2 to MPEG-2, MPEG-2 to H.264

Input Standard	MPTS,MPEG2 MP@ML MP@HL, MPTS, H.264/AVC Main/High/Baseline Profile @ L4.0 or less (but not FMO, ASO & RS of Baseline)
Output Standard	MPTS and/or un-stuffed TS, MPEG2 MP@ML MPTS and/or un-stuffed TS, H.264/AVC Main/High/Baseline Profile @ L4.0 or less (but not include FMO, ASO & RS of Baseline)
ASI Input	
Interface	75Ω, BNC Female
Maximum bandwidth	100 Mb/s
Data type	Byte
Packet length	188/204 Bytes
Power level	200 ~ 880mVp-p
ASI Output	
Interface	75Ω, BNC Female
Data type	Byte
Packet length	188/204
Power level	800±80mV
TS/IP Duplex	
Standard	IEEE 802.3, 10/100/1000 Base-T
Bandwidth	80Mb/s (Input 80Mb/s, Output 80Mbps)
Data protocol	UDP/RTP, SPTS or MPTS
IGMP	v2/v3
TS/IP IPTV/Multiple DVB	
TS/IP Duplex	IEEE 802.3, 10/100/1000 Base-T
Bandwidth	200Mb/s
Data protocol	UDP/RTP, SPTS or MPTS
IGMP	v2/v3

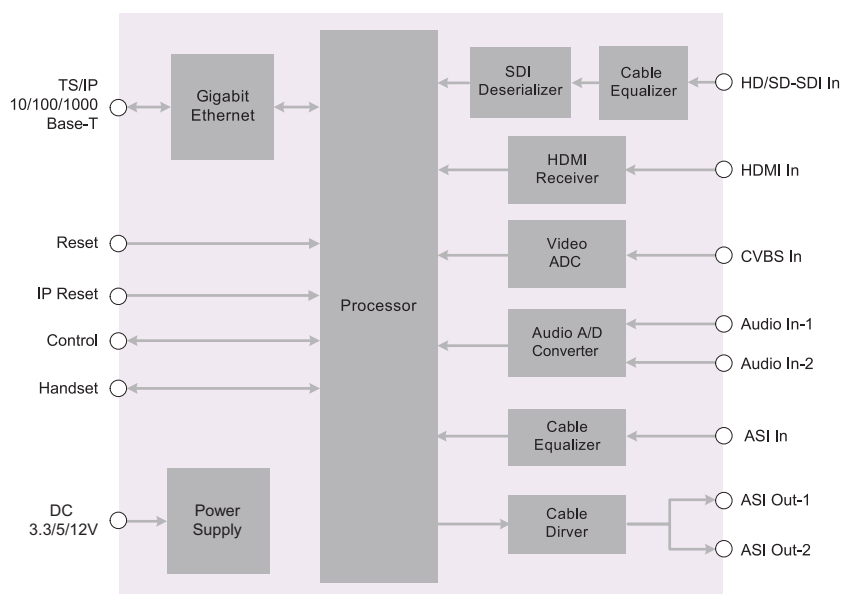
Rear Panel

ASI In	1×ASI BNC Female75Ω
SDI In	1×HD/SD SDI BNC Female 75Ω
HDMI In	1×HDMI
CVBS& Audio L/R In	D-Sub15
Audio2 In	D-Sub15
ASI Out	2×ASI (Mirror) BNC Female 75Ω
Front Panel	
Control	RJ-45, 10/100 Base-T
TS/IP	2×GbE (Mirror), RJ-45, 10/100/1000 Base-T

LED	3×LED
IP Reset	Management IP reset
Reset	Unit reset
Handset	DB-15 control unit interface
Physical	
Voltage	DMM-1100/DMM-210MF (AC90~260V 50/60Hz)
Operation temperature	0~45°C
Storage temperature	-10~60°C
Humidity	10~90%, Non-condensed
Dimension	380mm×111.5mm

Block Diagram

DMM-1530EC Functional Block Diagram



Order Information

Model		DMM-1530EC-XX			
Interface		-30	-32	-40	-42
Input	HDMI	•	•	•	•
	CVBS	•	•	•	•
	Audio 1	•	•	•	•
	Audio 2		•		•
	SDI	•	•	•	•
	ASI	•	•	•	•
Output	ASI x2	•	•	•	•
GbE				•	•
Control		•	•	•	•
RS-232		•	•	•	•