

HP3248A 8 in 1 Transcoder



Outline

HP3248A is a professional bidirectional trans-coder to convert video between H.264 and MPEG-2 format and also to trans-code between HD and SD programs simultaneously. It is equipped with 4 tuner inputs to receive channels directly from satellite. And, each tuner is accompanied with a CAM/CI slot to descramble the encrypt content.

In addition, IP content can also be received and trans-coding processed. HP3248A will at last output MPTS & SPTS through the DATA port (net port) or ASI port.

This trans-coder supports advanced multiplexing and can effectively provide operators with real-time code rate switch and optimize the video with its high performance.

BISS function is now embedded to descramble your tuner input programs and CC function as well to transport your closed caption (or teletext).

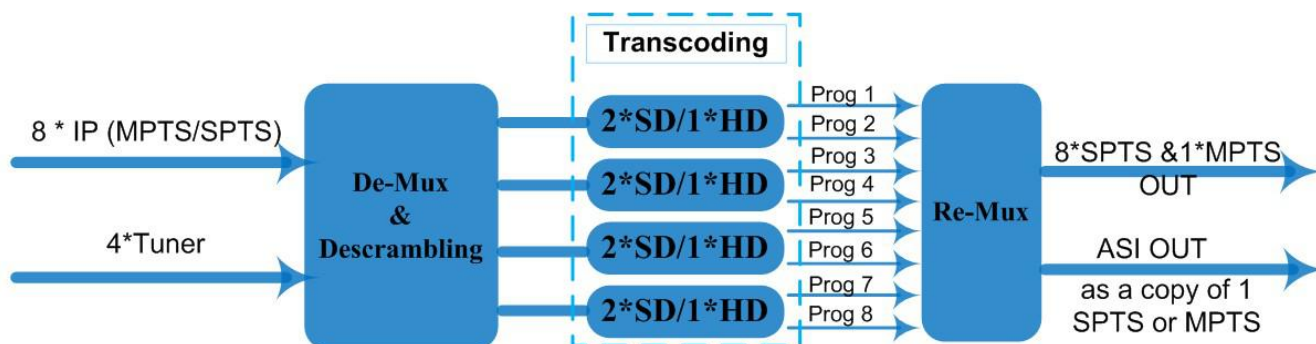
CC function has been embedded to transport your closed caption (or teletext).

It can be easily managed through web NMS system, and has become an ideal solution for operator to provide high quality video trans-coding.

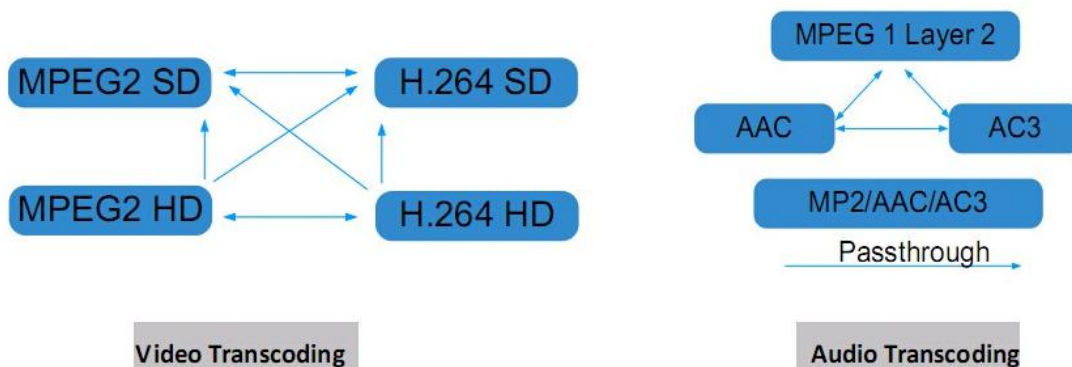
Key Features

- * Support 8*IP (SPTS/MPTS) input plus 4*tuners input with 4 CAM/CI slots
- * Support 8*SPTS & 1*MPTS (UDP/RTP/RTSP) output; 1 ASI output
- * Video Trans-coding: MPEG-2 SD/HD and H.264 SD/HD any-to-any
- * Audio Trans-coding: AAC, MP2 and AC3 any-to-any or pass-through;
- * Support maximal 8 SD or 4 HD programs trans-coding
- * Support maximal 8 channel audio trans-coding
- * Support HD and SD resolutions
- * Support CBR and VBR rate control
- * Support CC (closed caption)
- * Support BISS descrambling
- * Support IP out with null packet filtered
- * Advanced de-multiplexing
- * LCD & Key board local control; web-based NMS management

Principle Chart



Transcoding Mode



Specifications

Stream In	MPTS/SPTS over UDP/RTP, 1000M Base-T Ethernet Interface/SFP interface	
	4 * (DVB-S/S2/C/T/ISDB-T/ATSC Optional) Tuners	
BISS Descramble	8 programs	
Video	Resolution	1920x1080P,1920x1080i,1280x720P, 720x576i, 720x480i 480x576, 544x576, 640x576, 704x576
	Trans-coding	4*MPEG2 HD → 4*MPEG2/H.264 HD ; 4*MPEG2 HD → 4*MPEG2/H.264 SD ; 8 *MPEG2 SD → 8 *MPEG2/H.264 SD
		4* H.264 HD → 4*MPEG2/H.264 HD ; 4* H.264 HD → 4*MPEG2/H.264 SD ; 8* H.264 SD → 8 *MPEG2/H.264 SD
Rate Control	CBR/VBR	
Audio	Trans-coding	MPEG-1 Layer 2, AAC and AC3 any-to-any or pass through
	Sampling rate	48KHz

	Bit Rate	64Kbps-384Kbps
Stream Out	8*SPTS & 1*MPTS over UDP/RTP/RTSP, 1000M Base-T Ethernet Interface (UDP/RTP uni-cast / multicast) /SFP interface	
	1*ASI (as a copy of one of the 8 SPTS or the MPTS) output, BNC interface	
System	LCD & Key board control; web-based NMS management	
Function	Ethernet software upgrade	
General	Dimensions	430mm×405mm×45mm (WxDxH)
	Approx weight	4.8 Kg
	Temperature range	0~45℃(Operation), -20~80℃(Storage)
	Power requirements	AC 200V-240V, 50/60Hz, 2A
	Power consumption	20W

Order Information

Version	4* ASI or Tuner Input	6* ASI or Tuner Input	4* Tuner input	IP Input	CAM/CI
Simple Version (HP3248B)	*				
Advanced Version (HP3248)		*		*	
HP3248A			*	*	*