SFT3248 (SFT3248B) 8-in-1 Transcoder

Tuner Input Version

ASI Input Version

**AC3 trans-coding
CC (Closed Caption)
BISS Descrambling**

Brief Introduction

SFT3248 (SFT3248B) 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 6 tuner inputs to receive channels directly from satellite, or ASI /IP inputs to receive digital channels. (SFT3248B is a simple version with 4 Tuner s only or 4 ASI inputs only without IP input.) After trans-coding, it outputs MPTS & SPTS through the DATA port or ASI port.
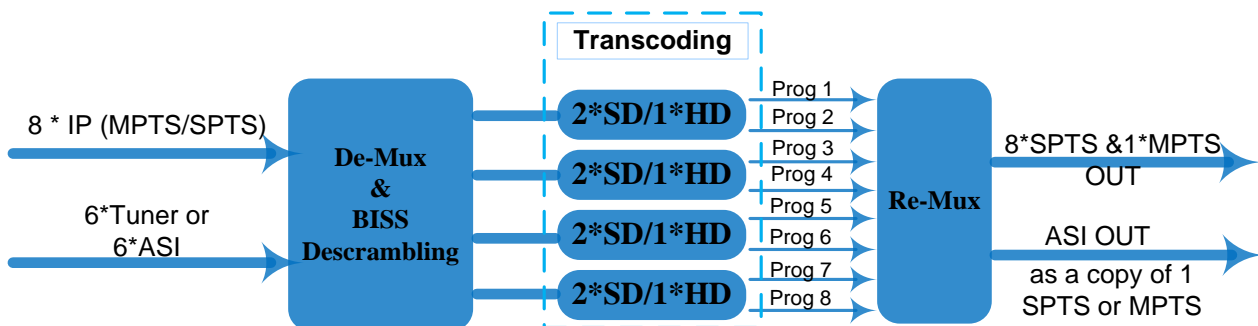
This trans-coder supports advanced re-multiplexing and can effectively provide operators with real-time code rate switch and optimize the video with its high performance.

BISS function is now embedded to descramble your tuner input programs and CC function as well to transport your closed caption (or teletext).
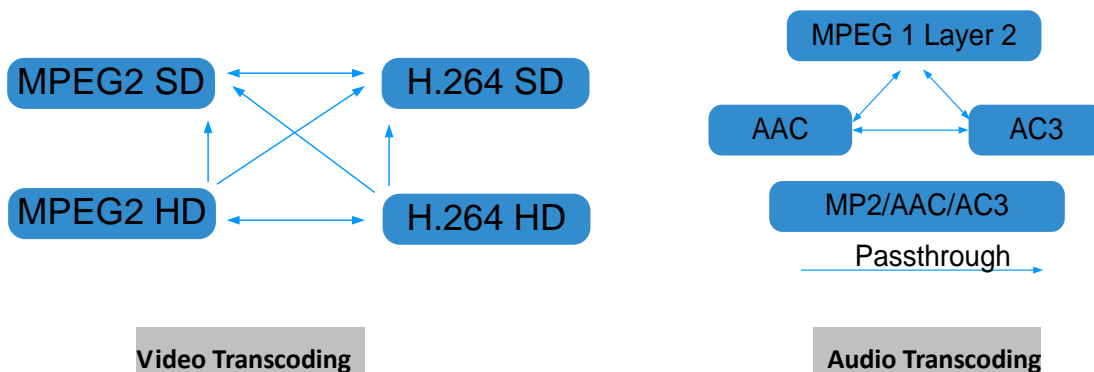
It can be easily managed through web NMS system, and has become an ideal solution for operator to provide high quality video trans-coding.

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Key Features

➢ Support 8*IP (SPTS/MPTS) input plus 6*tuners (or 6*ASI) input --- **SFT3248**

     4* tuners (or 4*ASI) input --- **SFT3248B**

➢ Support 8*SPTS & 1*MPTS (UDP/RTP/RTSP) output; 1 ASI (MPTS) 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 re-multiplexing

➢ LCD & Key board local control; web NMS management

Trans-coding Mode Example

Video Transcoding

Audio Transcoding

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Technical Specifications

Stream In	MPTS/SPTS over UDP/RTP, 1000M Base-T Ethernet Interface/ SFP interface --- **SFT3248**	
	6 * (DVB-S/S2/C/T/ISDB-T/ATSC) Tuners; 6 * ASI (optional) --- **SFT3248**	
	4 * (DVB-S/S2/C/T/ISDB-T/ATSC) Tuners; 4 * ASI (optional) --- **SFT3248B**	
BISS Descramble	Maximum 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 Function	LCD & Key board control; web NMS management	
	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 110V ±10%, 50/60Hz or AC 220V ±10%,50/60Hz
	Power consumption	20W

Order Information

Version	4* ASI or Tuner Input	6* ASI or Tuner Input	IP Input
Simple Version (SFT3248B)	●		
Advanced Version(SFT3248)		●	●