



# 8 in 1 Transcoder



Tuner Input Version

ASI Input Version

**Note:** All *H.264* mentioned in this sheet refers to *MPEG-4 AVC/H.264*.

## Brief Introduction

The Xcode3200 is a professional bidirectional transcoder used to convert video between H.264 and MPEG-2 formats and also to transcode between HD and SD programs simultaneously. It is equipped with 6 ASI or ATSC input ports and one SFP or copper IP DATA port to receive digital channel streams. After transcoding, it outputs one MPTS & 8 independent SPTS streams through the DATA port or ASI port.

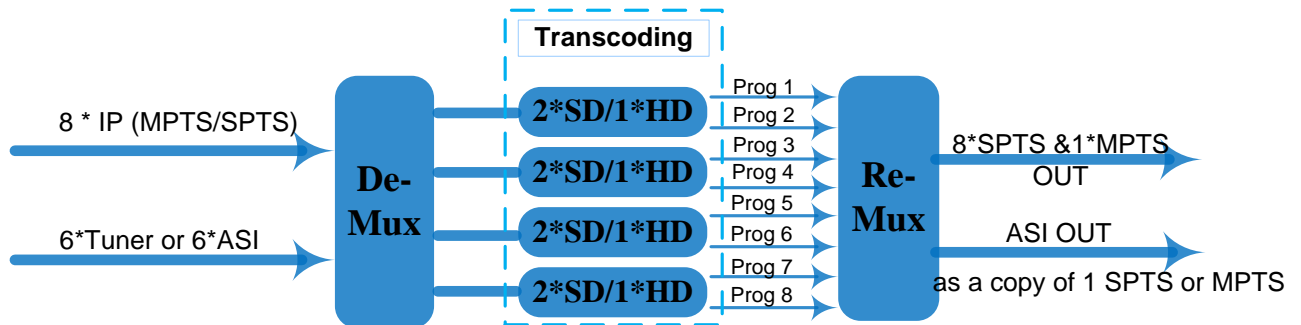
The transcoder supports advanced re-multiplexing and effectively provides operators with real-time code rate switching.

It can be easily managed through its GUI web NMS system.

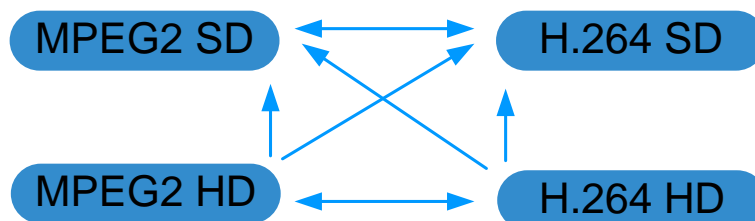
## Key Features

- Supports 8\*IP (SPTS/MPTS) inputs plus 6 ASI or ATSC inputs.
- Support 8\*SPTS & 1\*MPTS (UDP/RTP/RTSP) output; 1 ASI (MPTS) output
- Video Transcoding: MPEG-2 SD/HD and H.264 SD/HD any-to-any
- Audio Transcoding: AAC and MPEG-2 any-to-any or pass-through; AC3 pass through
- Supports a maximal of 8 SD or 4 HD programs transcoding
- Support maximal 8 channel audio trans-coding
- Supports 1920x1080I, 1280x720P, 720x576i, 720x480i, 480x576, 544x576, 640x576 and 704x576 resolutions
- Supports CBR and VBR rate control
- Advanced re-multiplexing
- LCD & Key board local control; web NMS management

## I/O Chart



## Transcoding Mode Examples



## Technical Specifications

<b>Stream In</b>	MPTS/SPTS over UDP/RTP, 1000M Base-T Ethernet Interface/ SFP interface and 6 ASI	
<b>Video</b>	Resolution	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
<b>Audio</b>	Trans-coding	MPEG-1 Layer 2 to AAC any -to-any; AC3 pass through
	Sampling rate	48KHz
	Bit Rate	64Kbps-384Kbps
<b>Stream Out</b>	8*SPTS & 1*MPTS over UDP/RTP/RTSP, 1000M BaseT 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	
<b>System Function</b>	LCD & Key board control; web NMS management	
	Ethernet software upgrade	
<b>General</b>	Dimensions	430mm ×405mm ×45mm(WxDxH)
	Approx weight	4.8 Kg
	Temperature range	0~45 °C (Operation), -20~80 °C (Storage)
	Power requirements	AC 110V ±10%, 50/60Hz or AC 220V ±10%, 50/60Hz
	Power consumption	20W

Ordering information    Xcode3200-1    with 6 ASI inputs

                                 Xcode3200-2    with 6 ATSC tuner inputs