



Multi Channel Transcoder System

The ADI MCTS family of products enables real-time live transcoding of MPEG-2 and H.264 video sources

MCTS Highlights

- Encoding at H.264 MP@L3
- Up to 8 channels Transcoding per 1RU unit
- CBR or capped VBR support
- Transcoding up to 10 Audio streams per program
- Supports video rescaling to a variety of resolutions, from CIF to full D1
- Management via embedded Web server, external SNMP or local CLI
- Full Transcoding Solution. Handles the PSI tables, the video and the audio
- Optional ASI support for ease of integration
- Ideal for broadcast and IPTV applications
- Broad range of audio encoding formats including HE-AAC v2
- Offers competitive price per channel

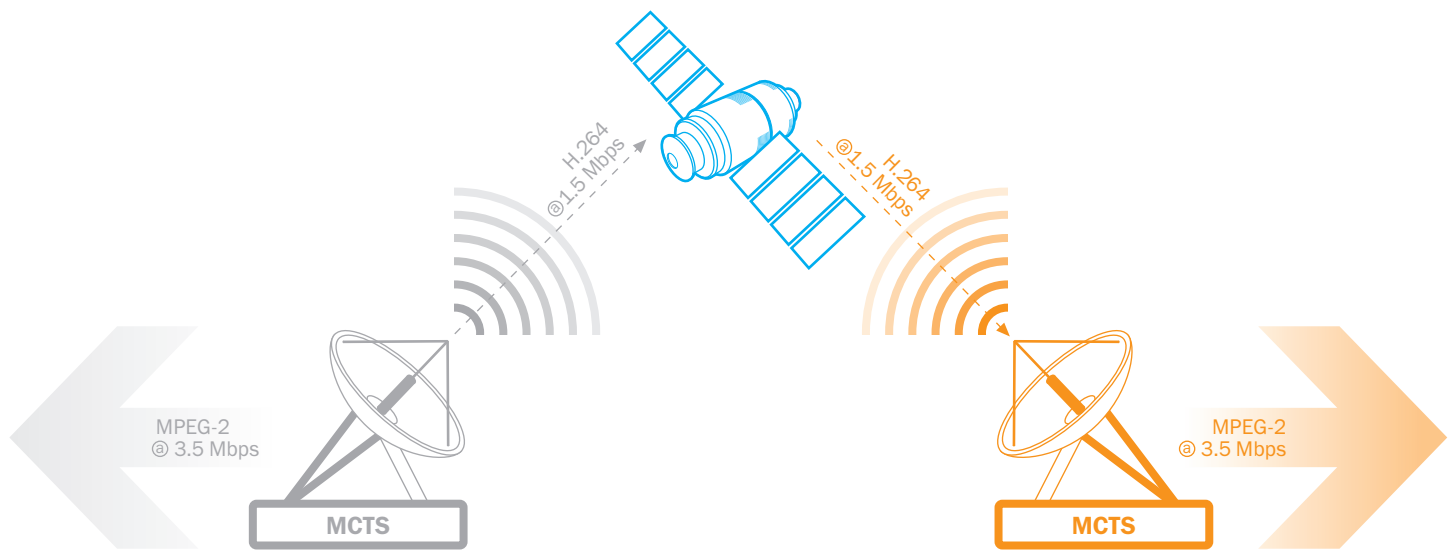
Model descriptions

- MCT1-4000 – Quad Channel SD Transcoder MPEG-2 to H.264
- MCT1-6000 – Six Channel SD Transcoder MPEG-2 to H.264

Applications

- DVB distribution
- IPTV

TECHNICAL SPECIFICATIONS



Inputs

Physical	IP	2 Gigabit ports
	ASI*	1/4
Transport	MPTS/SPTS	Support separate MPTS per channel
Video Decoding	MPEG-2	SD up to 15mbit per channel
	H.264	SD up to 3mbit per Channel (optional)
Audio Decoding		10 streams per program: MPEG Layer II, AAC, HE-AAC v1, HE-AAC v2, A/52*

Outputs

Physical	IP	2 Gigabit ports
	ASI*	Single MPTS
Transport		MPTS/UDP, MPTS/ASI, SPTS/UDP, SPTS/RTP/UDP
Video Encoding	MPEG-2	MP@ML
	H.264	MP@L3
	Encoding features	GOP size selection, VBV limiting, de-blocking, scene cut detection, adaptive GOP, MBAFF, CABAC
	Scaling	720/704/640/544/528/480/352 on 480i/576i/288p/272p/240p
	Rate Control	CBR, capped VBR
	Bitrate	MPEG-2 up to 10mbps, H.264 up 3mbps (per channel)
Audio encoding		MPEG Layer II, pass-through (all formats), AAC, HE-AAC v1, HE-AAC v2

Control and Monitoring

	Remote	WEB based management, CLI/TELNET, SNMP
	Local	CLI
	Software upgrade	via WEB interface

Recommended Hardware

	Intel SR1530CLR	2x Xeon 5410, 2GB ram
	Intel SR1630BC	2x Xeon 5520, 2GB ram

*optional



Please contact our sales representatives at sales@adi-vt.com to match the best solution for your requirements.

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