

# MCT-1000 Series - SD Transcoder



The **MCT-1000** family of products enables real-time live transcoding of DVB MPEG-2 and h.264 video sources.

Model descriptions:

- **MCT-1020** : Dual Channel SD Transoder MPEG-2 to h.264
- **MCT-1040** : Quad Channel SD Transoder MPEG-2 to h.264
- **MCT-1060** : Six Channel SD Transoder MPEG-2 to h.264
- **MCT-1080** : Eight Channel SD Transoder MPEG-2 to h.264

## **SERIES Highlights**

- Encoding 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 full D1 to CIF
- 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

### **Contact Info**

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## Specifications

### Inputs

<b>Physical</b>	IP or ASI MPTS/SPTS	2 Gigabit ports (*ASI optional) 1 / 4
<b>Transport</b>	MPEG-2	Supports separate MPTS per channel
<b>Video Decoding</b>	h.264	SD up to 15 MBit/s per channel SD up to 30 MBit/s per channel (optional)
<b>Audio Decoding</b>		10 streams per program: MPEG Layer II, AAC*, HE-AAC v1*, HE-AAC v2*, AC3*

### Outputs

<b>Physical</b>	IP	2 Gigabit ports (*ASI optional) ASI: Single MPTS
<b>Transport</b>		MPTS/UDP, MPTS/ASI, SPTS/UDP, SPTS/RTP/UDP
<b>Video Encoding</b>	MPEG-2 h.264 Encoding features Scaling RateControl Bit-Rate	MP@ML MP@L3 GOP size selection, VBV limiting, de-blocking, scene cut detection, adaptive GOP, MBAFF, CABAC 720/704/640/544/528/480/352 on 480i/576i/360p/288p/272p/240p and De-Interlacing CBR, capped VBR MPEG-2 up to 10mbps, H.264 up 3mbps (per channel)
<b>Audio Encoding</b>		MPEG Layer II, pass-through (all formats), AAC*, HE-AAC v1*, HE-AAC v2*

### Control and Monitoring

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

### Physical Characteristics

	Size	1RU (19" rack), 4.32x43x50.8 cm (H x W x L)
	Cooling	Front to rear
	Power	90-264 VAC Redundant power supply*

\* Optional

## Ordering Options:

M1: AAC audio support  
M4: AC3 audio decoding support  
M7: 1x ASI Input & 1x ASI Output

M2: HE-AAC v1 audio support  
M5: 4x ASI inputs  
M8: h.264 video input support

M3: HE-AAC v2 audio support  
M6: 1x ASI input

Product design by:



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