

# Digital Headend/CATV



## SVT Series Multi-Format HD/SD, MPEG2/H.264 Transcoder

- Seamless real time transcoding of television programming
- Input format may be MPEG2 or H.264, SD or HD with user selectable output formats
- Applications include conversion of HD originated content to add simultaneous SD services
- Performs simultaneous real-time transcoding of 2, 4, 6 or 8 programs (outputs 1HD or 2SD per block)
- Integrated web server allows local or remote access from a PC via standard Internet browser
- Web interface provide simple, easy navigation of all status and setup parameters
- Support for external DC redundant powering

### Specifications

#### ASI INPUTS/OUTPUTS

I/O Proc Block:	2x Inputs to 2x Outputs per processing block (up to 4 blocks)
Connector	75Ω BNC
Packet Format Input	188/204 byte
Packet Format Output	188 byte
Syntax	SPTS or MPTS (input & output)

#### IP GbE INPUTS/OUTPUTS *(Firmware upgrade available soon)*

Number of Ports	1 Input and 1 Output
Connector Type	RJ45 10/100/1000 - Auto Negotiate
Addressing	Unicast and Multicast
MPEG Transport	SPTS/MPTS (ITU13818-1)
IP Encapsulation	1 to 7 TS/IP
Input Format	UDP
IGMP Compatibility	Version 1, 2 & 3

#### TRANSPORT STREAM PROCESSING

Detailed bit rate measurement of incoming services	
PID Filtering/remapping	
PID Pass-through for non-processed programs	
Signal Pass-through:	AFD, DVB Subtitles
	DVB VBI Data (EN301775)
	North American VBI (SCTE 127)
	Closed Captioning (EIA 708), Teletext, SCTE 35

#### MANAGEMENT

Connector:	RJ-45 10/100BaseT - Auto Negotiate
Protocols:	HTTP, TELNET, SNMP
User Interface:	Front panel, web browser, TELNET

Processing Blocks:	Dual channel, multi-format MPEG2/H.264 with integrated CODECs (up to 4)
Profiles:	H.264 HiP/L4, MPEG2 MP@HL
Video Formats:	1080i @ 29.97Hz, 30Hz 720p @ 59.94Hz, 60Hz 480i @ 29.97Hz
Audio Services:	Up to 2 per transcode
Audio pass-through & Transcode	MPEG1 Layer II Dolby® Digital AC-3
Video Processing:	Scene Change Detection Fade Detection De-blocking filter
Video Bitrate:	Max 25 Mbps
Video Output:	CBR or capped average VBR
CODEC:	H.264, MPEG2
Display Mode:	Letterbox or center-cut, AFD pass-through

#### DIMENSION

HxWxD	1RU, 1.75" (4.4 cm) x 17.4" (44.2 cm) x 17.5" (44.5 cm)
Power	100-240 AC 50/60 Hz 75W

#### ENVIRONMENTAL CONDITIONS

Operating Temp	0° to 45°C
Storage Temp	-40°C to 65°C
Relative Operating Humidity	<95% (non-condensing)

### Ordering Information

<b>SVT200A</b>	2 Channel Multi-Format Transcoder
<b>SVT400A</b>	4 Channel Multi-Format Transcoder
<b>SVT600A</b>	6 Channel Multi-Format Transcoder
<b>SVT800A</b>	8 Channel Multi-Format Transcoder

**X-PS** External Redundant Power Supply

#### TRANSCODER

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