



## SVT Series

## MPEG-2/4 Video and Audio Transcoding

- Seamless real time transcoding of television programming
- Inputformat may be MPEG-2 or MPEG-4 in SD or HD and user may select any of these formats for output
- Applications include conversion of digital delivery formats to match distribution system requirements
- Can be remotely managed and monitored via Pico Digital's Network Management System (XNMS)
- Performs simultaneous real-time transcoding of 2, 4, 6 or 8 programs
- Integrated web server allows local or remote access from a PC with standard Internet browser
- Internalweb server pages provide simple, easy navigation of all status and setup parameters
- Support for external DC redundant powering

## Specifications

### ASI INPUTS/OUTPUTS

Connections	Up to 8 Inputs and 8 Outputs
Connector	4 x 75Ω BNC
Packet Format In	188/204 byte
Packet Format Out	188 byte
Syntax	SPTS or MPTS

### IP GbE INPUTS/OUTPUTS

Number of Ports	1 Input and 1 Output GbE RJ45 port
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 capabilities  
 PID Pass-through for those programs that do not need processing  
 Ancillary Signal Pass-through for  
 AFD, DVB Subtitles, DVB VBI Data (EN301775), North American VBI (SCTE 127), Closed Captioning (EIA 708), Teletex, SCTE3

### MANAGEMENT

Connector	RJ-45 10/100 - Auto Negotiate
Protocols	HTTP, TELNET, and SNMP
User Interface	Front panel, web/TELNET user interface, remote management through XNMS

### CONTROL

Configuration and Content Control via XNMS.  
 Real time triggers via SCTE 35 or XNMS advanced scheduling.

### TRANSCODER

Up to 4 Multi-format MPEG2/H.264 integrated Decoder/Encoder pairs	
Profiles	H.264 up to HP / L4.1, MPEG2 up to MP@HL
VideoFormats	1080i @ 25 Hz, 29.97Hz, 30 Hz 720p @ 50Hz, 59.94 Hz, 60 Hz 480p @ 59.94 Hz, 480i @ 29.97 Hz 576 @ 25 Hz
Audio Services	Up to 2 per transcode
AudioPass Through & Transcode	MPEG1/2 L1, L2; MP3; AAC; Dolby Digital AC-3
Video Processing	Scene Detection Fade Detection De-blocking filter Max 25 Mbps
Video Bitrate	CBR or capped average VBR
Video Output	H.264 or MPEG2
Codec	Letterbox or center-cut
Display Mode	

### DIMENSION

HxWxD	1.75" (4.4 cm) x1RU, 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

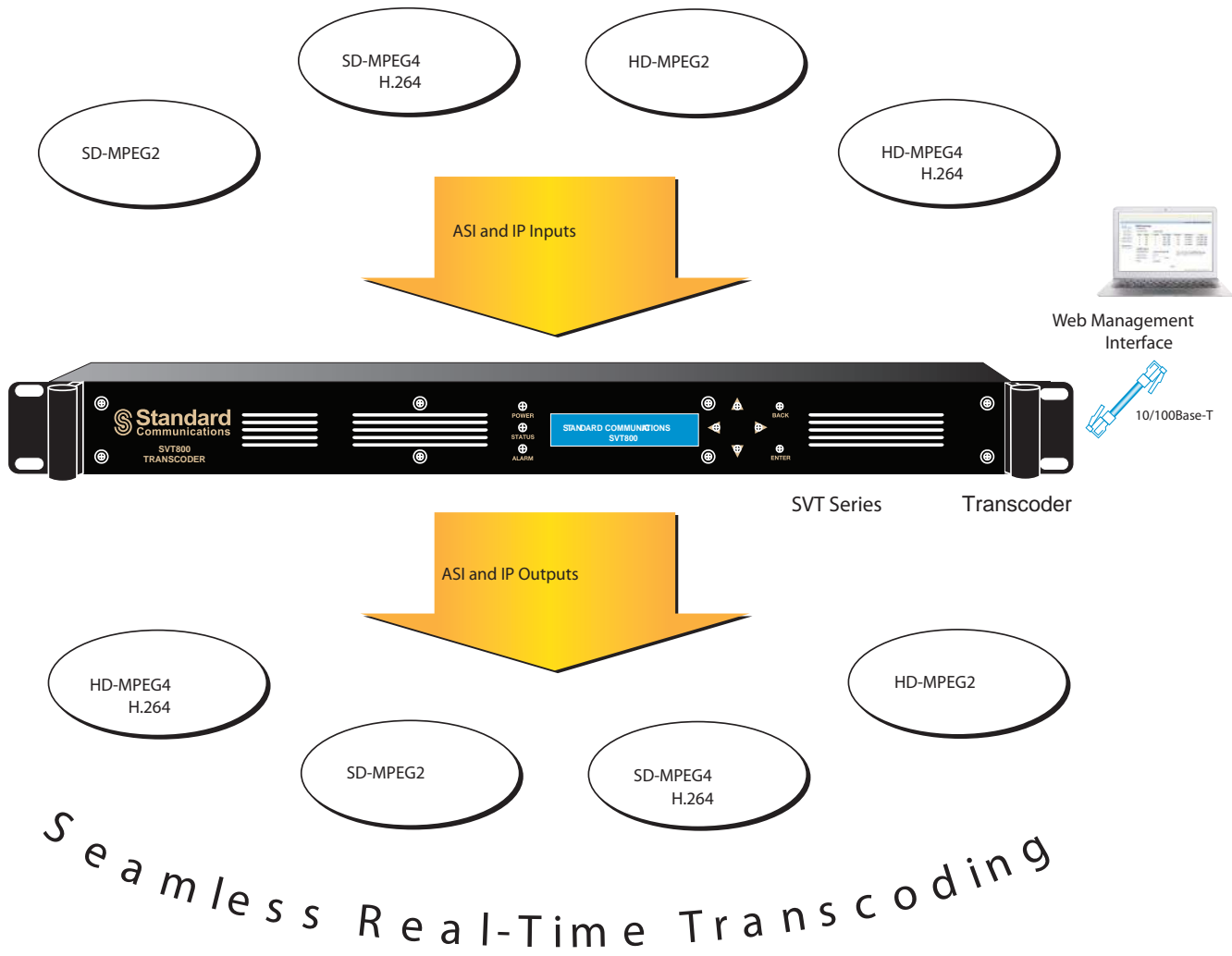
SVT100	1 Program Transcoder-ASI
SVT200	2 Program Transcoder-ASI
SVT400	4 Program Transcoder-ASI
SVT600	6 Program Transcoder-ASI
SVT800	8 Program Transcoder-ASI

For IP In/Out, add -IP suffix to above (future feature)

X-PS External Redundant Power Supply

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Any Input to Any Output



Seamless Real-Time Transcoding