XNMS Network Management System

GOLD 3 YEAR WARRANTY

SVS-D Series

Digital Content Video Splicer

- Pre-positioning of file based content for television programming
- In addition to seamless real time transcoding, the SVS-D provides for format independent digital insertion
- Applications include Contribution, Regionalization, targeted program inserts, and targeted advertising
- Content and network centrally managed by content provider via Pico Digital's Network Management System (XNMS)
- Up to 4 incoming programs on a single ASI input can be split and processed
- Integrated web server allows local or remote access from a PC with standard Internet browser
- Web pages provide simple, easy navigation of all status and setup parameters
- Support for external DC redundant powering

Specifications

ASI I/O

Connections	4 Inputs and 4 Outputs
Connector	4 x 75 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 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, SCTE35

SPLICING

Seamlessly inserts file based or real time material into real time programming based on XNMS schedule or SCTE 35 trigger.

STORAGE

250 Gbyte SATA hard drive per transcode/splice pair.
Other disk sizes and compact flash options available.

STORAGE REDUNDANCY

Optional internal NAS storage to back up all transcode/splice operations.

BUGS AND CRAWLS

Capable of inserting bugs and crawls on live video upon command.
Capable of video "squeezeback".

CONTROL

Configuration and content control via XNMS.
Real time triggers via SCTE 35 or XNMS advanced scheduling.

VIDEO FORMATS AND TRANSCODING

Up to 4 pairs Multi-format MPEG2/H.264 integrated Decoder/Encoder

Profiles	H.264 up to HP / L4.1, MPEG2 up to MP@HL
Video Formats	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 splice/transcode
Audio Pass Through & Transcode	MPEG1/2 L1, L2; MP3; AAC; Dolby® Digital AC-3
Video Processing	Scene Detection Fade Detection De-blocking filter
Video Bitrate	max 25 Mbps
Video Output	CBR or capped average VBR
Codec	H.264 or MPEG2
Display Mode	Letterbox or center-cut

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

DIMENSION

HxWxD	1.75" (4.4cm) x 1RU,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

SVS-D-2	2 Program Transcoder/Splicer – Digital
SVS-D-4	4 Program Transcoder/Splicer – Digital

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

X-PS	External Redundant Power Supply