



# SMP260E

## Real-Time SD/HD Encoder



SMP260E is a best value solution for MPEG-2/H.264 SD/HD real-time encoding needs in any market.

### Features

- High density encoding capability up to 12 programs.
- Any-to-any encoding: CVBS/SDI/HDMI, SD/HD, MPEG-2/H.264.
- Supports CVBS/SDI/HDMI input.
- Full audio encoding: MPEG-1 Layer II Audio, LC-AAC, HE-AAC and Dolby AC-3. (Optional)
- Supports multi-audio encoding for 1 program.
- Supports CBR/VBR encoding.
- Independent embedded ASI and IP I/O for different applications.
- Re-multiplexing and cherry picking.
- Supports EPG/EIT re-multiplexing. (optional)
- Configuration and monitoring programs via NMS, Web GUI or SNMP.
- High efficiency with low power consumption in 1 RU compact chassis.

Module	Modules Combination	Features
SEN2AV6S	3xEN2AV-2S+	CVBS Input, 6 x SD MPEG-2 Encoder
SEN2AV12S	3xEN2AV-4S	CVBS Input, 12 x SD MPEG-2 Encoder
SEN4AV12SM	3xEN4AV-4SM	CVBS Input, 12 x SD MPEG-2/H.264 Low-bitrate Encoder
SEN2SDI6S	3xEN2SDIS+	SDI, CVBSInput, 6xSD MPEG-2 Multi-audio Encoder
SEN2SDI6S-MPG	3xEN2SDIS-MPG	6xMPEG-2 SD, 6xMPEG1L2
SEN2SDI6S-AC3	3xSEN2SDIS-AC3	6xMPEG-2 SD, 6xMPEG1L2 + 6xMPEG1L2 6xMPEG-2 SD, 6xMPEG1L2 + 6xAC3
SEN4SDI6S	3xEN4SDIS+	SDI, CVBSInput, 6xSD H.264 Multi-audio Encoder
SEN4SDI6S-MPG	3xEN4SDIS-MPG	6xH.264 SD, 6xMPEG1L2
SEN4SDI6S-AC3	3xEN4SDIS-AC3	6xH.264 SD, 6xMPEG1L2 + 6xMPEG1L2 6xH.264 SD, 6xMPEG1L2 + 6xAC3
SEN4SDI6SM	3xEN4SDISM+	SDI, CVBSInput6 x SD MPEG-2/H.264 Multi-audio Low-bitrate Encoder
SEN4SDI6SM-MPG	3xEN4SDISM-MPG	6xMPEG-2/H.264 SD, 6xMPEG1L2
SEN4SDI6SM-AC3	3xEN4SDISM-AC3	6xMPEG-2/H.264 SD, 6xMPEG1L2 + 6xMPEG1L2 6xMPEG-2/H.264 SD, 6xMPEG1L2 + 6xAC3
SEN4SDI6H	3xEN4SDIH+	SDI, CVBS Input, 6xHD H.264Multi-audioEncoder
SEN4SDI6H-MPG	3xEN4SDIH-MPG	6xH.264 SD/HD, 6xMPEG1L2
SEN4SDI6H-AC3	3xEN4SDIH-AC3	6xH.264 SD/HD, 6xMPEG1L2 + 6xMPEG1L2 6xH.264 SD/HD, 6xMPEG1L2 + 6xAC3
SEN4HDMI6H	3xEN4HDMI	HDMI Input, 6xSD/HD H.264 Encoder

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## Real-Time SD/HD Encoder

### Specifications

Video Encoding	
Encoding Format:	MPEG-2 MP@ML MPEG-4 AVC at MP@L3
CBR & VBR support	Yes
CVBS input:	Up to 12 inputs Format: NTSC, PAL, PAL-M, PAL-N and SECAM
Encoding Bit-rate:	MPEG-2 SD: 2~15 Mbps H.264 SD: 1~10 Mbps
Video Encoding Resolution:	SD: PAL (720x576) NTSC (720x480);
Aspect Ratio:	4: 3 or 16:9
GOP Structure:	IBP, IBBP
Audio Encoding	
Audio Input	Up to 12 stereo pairs of audio
Audio Output	Up to 12 stereo pairs (MPEG-1 Layer II, AAC)
Audio Formats:	MPEG-1 Layer II, AAC
Re-multiplexing	
PID:	Re-mapping and filtering
MPTS Output Synchronization	
Routing:	Any input to any output
Redundancy:	ASI input service redundancy & IP port redundancy
IP In/Out	
Interface:	1 x 1000 Mbps TS/IP port (RJ45 type)
IP Encapsulation:	MPEG TS over UDP/RTP
MPEG TS:	MPTS and SPTS
I/O Processing:	Up to 12 channels input & output simultaneously or up to maximum 64 channels input (MPTS or SPTS)
Addressing:	Unicast and multicast
IGMP Supported Version:	IGMPv1, IGMPv2, IGMPv3
FEC Type:	ProMPEG
ASI In/Out	
Interface:	4 BNC connectors (2 inputs and 2 outputs), 75Ω
I/O Processing:	1 MPTS/SPTS at max.120Mbps per port

Management	
Interface:	100Base-TX (RJ45 type)
NMS Support:	Yes
SNMP Support:	Yes
Web base NMS	Yes
Physical & Environment	
Input Voltage:	90~260 VAC
Power Consumption:	Approx. 60W
Rack Space:	1U
Dimension (WxHxD):	480mm x 44mm x 440mm
Operating Temperature:	0°C~50°C
Storage Temperature:	-40°C~65°C
Operating Humidity:	<95%
MTBF:	≥150,000 hours