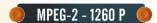# ENCODER

STC-1260 is a new generation encoder that can perform real-time encoding upto 12 programs for content re-distribution. Based on the customer needs, STC-1260 can encode MPEG-4 or MPEG-2 in SD or HD format with ASI and IP output. Due to the newly encoding technology it adopts, it is with excellent encoding efficiency to support extremely low bitrate encoding while still keep good video quality. With ASI and IP input, STC-1260 supports PID remapping and EPG data insertion and multiplexing. it now only provides a cost-effective yet scalable solution for network operators to compress the real-time programs for content re-distribution, but provides a easy-to-use platform ready for application through IPTV and OTT.

FEATURES

※ Encoding upto 12 programs in MPEG-2 SD or MPEG-4 SD & H.264 SD/HD format.
※ Support CVBS/SDI/HDMI input.
※ Support both ASI and IP input/output.
※ MPEG-1 layer II Audio, LC-AAC, HE-AAC and Dolby AC-3.
※ Support CBR / VBR encoding.
※ Support stream processing including PID remapping and EPG data insertion.

12 CHANNEL ENCODER

MODELS

- MPEG-2 - 1260 P
- MPEG-4 - 1260 M
- MPEG-HD - 1260 HD

SPECIFICATIONS

ENCODING

Video Encoding (CBR & VBR)	MPEG - 2 MP @ ML MPEG - 2 MP @ HL MPEG - 4 AVC at MP @L3 MPEG - 4 AVC at HP @ L4
CVBS Input	NTSC, PAL, PAL-M, PAL-N and SECAM
SDI Input	SD SDI and HD SDI with embedded audio
HDMI input Video Output Bit-rate	compatible with HDCP (CBR & VBR)
MPEG - 2 SD	2 Mbps ~ 15 Mbps
MPEG - 2 SD (Premium)	1.5 Mbps ~ 15 Mbps
H.264 SD	1 Mbps ~ 10 Mbps
H.264 SD (Premium)	0.8 Mbps ~ 9 Mbps
Video Output Resolution	PAL (720 X 576) and
SD Resolution	NTSC (720 X 480)
HD Resolution	1920 x 1080i, 1280 x 720p
ASPECT RATIO	
GOP Structure	IBP, IBBP
Audio Formats	AAC, MPEG-1 Layer II, Dolby Digital, AC-3 (Future Feature)

RE-MULTIPLEXING

PID	Re-mapping and Filtering MPTS Output Synchronization
Routing	Any Input to Any Output
Redundancy	Input Service Redundancy & IP Port Reducdancy

IP & ASI INTERFACE

IP	
Interface	1 x 1000 Mbps per port
IP Encapsulation	MPEG TS over UDP / RTP
MPEG TS	MPTS and SPTS
I/O Processing	Upto 12 Streams, max at 72 MBPS per socket
Addressing	Unicast and Multicast
Management	IGMPv1, IGMPv2, IGMPv3
Forward Error Connection	ProMPEG
ASI	
Interface	4 BNC connectors (2 ASI input and 2 ASI outputs) 75 Ω
MPEG Format	188/204 Bytes Per TS
I/O Processing	1 MPTS/SPTS per port upto 120 Mbps per port

MANAGEMENT

Interface	100 Base TX, RJ45
NMS	Software base
Support SNMP	

PHYSICAL AND ENVIRONMENT

Input Voltage	90 ~ 260 VAC
Power Consumption	Approx 60 W
Rack Space	1 RU
Dimension (WxHxD)	480 x 44 x 440 mm
Operating Temperature	0°C to 50°C
Storage Temperature	-40°C to 65°C
Relative Operating Humidity	<95%