Inotech

IT-260 HD Encoder

IT-260 is new generation Encoder that can perform real-time encoding up to 6 programs for content re-distribution. Based on the customer needs, IT-26 can encode H.264 (also known as MPEG-4 AVC or Part 10) i n 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 bit rate encoding while still keep good video quality_ With ASI and IP input, IT-260 supports PID remapping and multiplexing. It not only provides a Cost-effective yet scalable solution for network operators to compress the real-time programs for content re distribution.

Features:-

- Encoding up to 6 Programs in H.264 HD Format.
- Support SDI/ HDMI Input.
- Support both ASI & IP input / output.
- MPEG-1 Layer II Audio, LC-AAC, HE-AAC & Dolby AC-3(Future Feature)
- Support CBR / VBR encoding.
- Support Stream Processing including PID remapping & EPG Data Insertion.

Specifications:-

Encoding

Video Encoding (CBR & VBR)	MPEG-2 MP@ML
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	MPEG-4 AVC at MP@L3
	MPEG-4 AVC at HP@L3
SDI Input	SD SDI & HD SDI with embedded Audio
HDMI Input	Compatible with HDCP

Video Output Bit Rate (CBR & VBR)

H.264 HD	1 Mbps ~ 9 Mbps

Video Output Resolution

HD Resolution	1920x1080i, 1280x720p
GOP Structure	IBP, IBBP
Audio Formats	AAC,MPEG-1 Layer II, Dolby Digital AC-3(Future)

Remultiplexing

PID	Re-mapping & Filtering
	MPTS output Synchronisation
Routing	Any Input to Any Output

IP & ASI Interface

IP Interface	1 x 1000 Mbps/port
IP Encapsulation	MPEG TS over UDP/RTP
MPEG TS	MPTS & SPTS
I/O processing	Up to 12 Streams, max @ 72Mbps / Socket

Addressing	Unicast &Multicast
Management	IGMPv1, IGMPv2, IGMPv3
FEC	ProMPEG
ASI Interface	4 BNC Connectors (2ASI Inputs & 2 ASI Outputs) 75Ω
MPEG Format	188/204Bytes/TS
I/O Processing	1 MPTS/SPTS/Port
	up to 120 Mbps/port

Management

Interface	100BaseTX, RJ45
NMS Support	
SNMP	

Physical & Environment

Input Voltage	90-260 VAC
Power Consume	Approx 60 W
Rack Space	1 RU
Dimension	480mm x 44mm x 440mm
Temp.	0˚ to 50 ˚ C
Humidity	<95%