
INOTECH-260 Encoder



INOTECH-260 is new generation encoder that can perform real-time encoding up to 12 programs for content re-distribution needs. Based on the customer needs, INOTECH-260 can encode H.264 (also known as MPEG-4 AVC or Part 10) or MPEG-2 in SD format with ASI and IP output. With ASI and IP input, INOTECH-260 supports PID remapping and EPG data insertion and multiplexing. INOTECH-260 encoder provides a cost-effective yet scalable solution for network operators to compress the real-time programs for content redistribution.

Features:

- Encoding up to 12 programs in MPEG-2 SD or 12 channels H.264 SD format
- Support CVBS input
- Support both ASI and IP input/output
- MPEG-1 LayerII Audio, LC-AAC, HE-AAC and Dolby AC-3 (*future feature*)
- Support CBR/VBR encoding
- Support stream processing including PID remapping and EPG data insertion

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
 - Video Output Bit-rate: (CBR & VBR)
 - MPEG-2 SD: 2 Mbps ~ 15 Mbps
 - H.264 SD: 1 Mbps ~ 10 Mbps
 - Video Output Resolution:
 - ◆ SD Resolution: PAL (720x576) and NTSC (720x480);
 - Aspect Ratio: 4:3 or 16:9
 - GOP Structure: IBP, IBBP
 - Audio Formats: MPEG-1 Layer II, AAC, 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 Redundancy
- IP & ASI Interface
 - IP

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- ◆ Interface: 1 x 1000 Mbps per port
 - ◆ IP Encapsulation: MPEG TS over UDP/RTP
 - ◆ MPEG TS: MPTS and SPTS
 - ◆ I/O Processing: Up to 12 Streams, max at 72 Mbps per socket
 - ◆ Addressing: Unicast and Multicast
 - ◆ Management: IGMPv1, IGMPv2, IGMPv3
 - ◆ Forward Error Correction: ProMPEG
 - ASI
 - ◆ Interface: 4 BNC connectors (2 ASI inputs and 2 ASI outputs), 75Ω
 - ◆ MPEG Format: 188/204Bytes per TS
 - ◆ I/O Processing: 1 MPTS/SPTS per port, up to 120 Mbps per port
 - Management
 - Interface: 100Base-TX, RJ45
 - NMS: Digital Service Manager
 - Support SNMP
 - Physical & Environment
 - Input Voltage: 90 – 260 VAC
 - Power Consumption: Approx 60W
 - Rack Space: 1 RU
 - Dimension (WxHxD): 480mm x 44mm x 440mm
 - Operating Temperature: 0° to 50°C
 - Storage Temperature: -40° to 65°C
 - Relative Operating Humidity: <95%