IT-260-12-S Encoder

INOTECH-260-12-S 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-260-12-S can encode with Fujistu Chipset in SD format with ASI and IP output. With ASI and IP input, INOTECH-260-12-S supports PID remapping and EPG data insertion and multiplexing. INOTECH-260-12-S 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.
- 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

- ◆ 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%