Model x5500

Any Service Real-Time Encoding and Transcoding System

TELEDELTA

Specifications

Input

- Supports IP, DVB-ASI, SDI/HD-SDI, HDMI, CVBS, S-VIDEO input and analogue, digital (AES/EBU) audio as well as SDI embedded audio mode
- Supports demultiplexing, inputting MPEG-2 TS and transcoding each channel respectively
- Supports UDP multicast & unicast, HTTP TS/FLV, RTMP, HLS, etc
- Embedded dual Gigabit Ethernet interface, supports port-level backup

Video

- Format: MPEG-2 MP@ML, MPEG-2 MP@HL, H.264BP, H.264MP, H.264HP, HEVC/H265, etc.
- Aspect Ratio: 4:3, 16:9, 1:1, Auto
- Resolution: QCIF~1080p, adjustable
- Supports scene cut change detection
- Video bit-rate is adjustable from 200k~50M
- B frame is adjustable
- GOP size is adjustable
- Supports progressive and interlace; field order is adjustable
- Supports resolution resizing
- Supports CBR, VBR, ABR
- Frame rate is adjustable
- Supports de-interlace
- Supports logo insertion

N+M Backup

- Supports WMS-based N+M backup
- Supports internal channel backup
- Supports operational node replacement, upgrade and repair
- Supports management port redundant backup
- Reliable system level redundant backup
- Supports cluster architecture with load-balancing

Power Supply

- 100~240V hot-swappable dual power supply

Physical Size

- 1RU chassis
- Weight: About 19KG

Environment Requirement

- Temperature: 10°C~35°C
- Moisture: 10%~80%

Output

- Supports IP and ASI output
- Supports multi-channel backup output
- Supports multi-screen, multi-terminal (iPhone, iPad, Android & Symbian) output; supports different resolution, bit-rate, format output with one program; supports adaptive multiple bit-rate and format output
- Supports various of stream protocol including UDP, RTP, RTSP, RTMP, HTTP (FLV & F4V), HTTP (MMS), WebDAV, OTT [Apple HLS, Adobe HDS (future), Microsoft Smooth Streaming (future)]
- Embedded dual Gigabit Ethernet output interface, supports port-level backup
- Supports Apple HLS AES encryption and supports DRM

Audio

- Supports up to 4 audio tracks
- Encoding Format: MP2, MP3, AAC-LC, AAC-MAIN, HE-AAC V1, HE-AAC V2, AC3, AMR-NB/WB, WMA
- Supports mono, stereo, 5.1 audio channel
- Audio Bit-Rate: 8~448 kbps
- Audio Sample Rate: 8~48 KHz
- Audio normalization and volume is adjustable
- Audio pass-through

Subtitle

- Supports up to 4 subtitles output
- Supports DVB subtitle pass-through, hard overlay
- Supports Teletext pass-through
- Supports Closed Caption pass-through
- Supports HLS WebVTT subtitle

Interface

- Supports 2 or more Gigabit Ethernet I/O
- ASI (option)
- SDI (option)
- AV (option)
- HDMI (option)

Operation Management

- Supports web-based system management, parameter configuration, user password setting
- Supports SNMP, HTTP REST API
- Supports previewing input video
- Supports remotely software upgrade, log and alarm query
- Supports import and export the system configuration
- Supports SNMP protocol