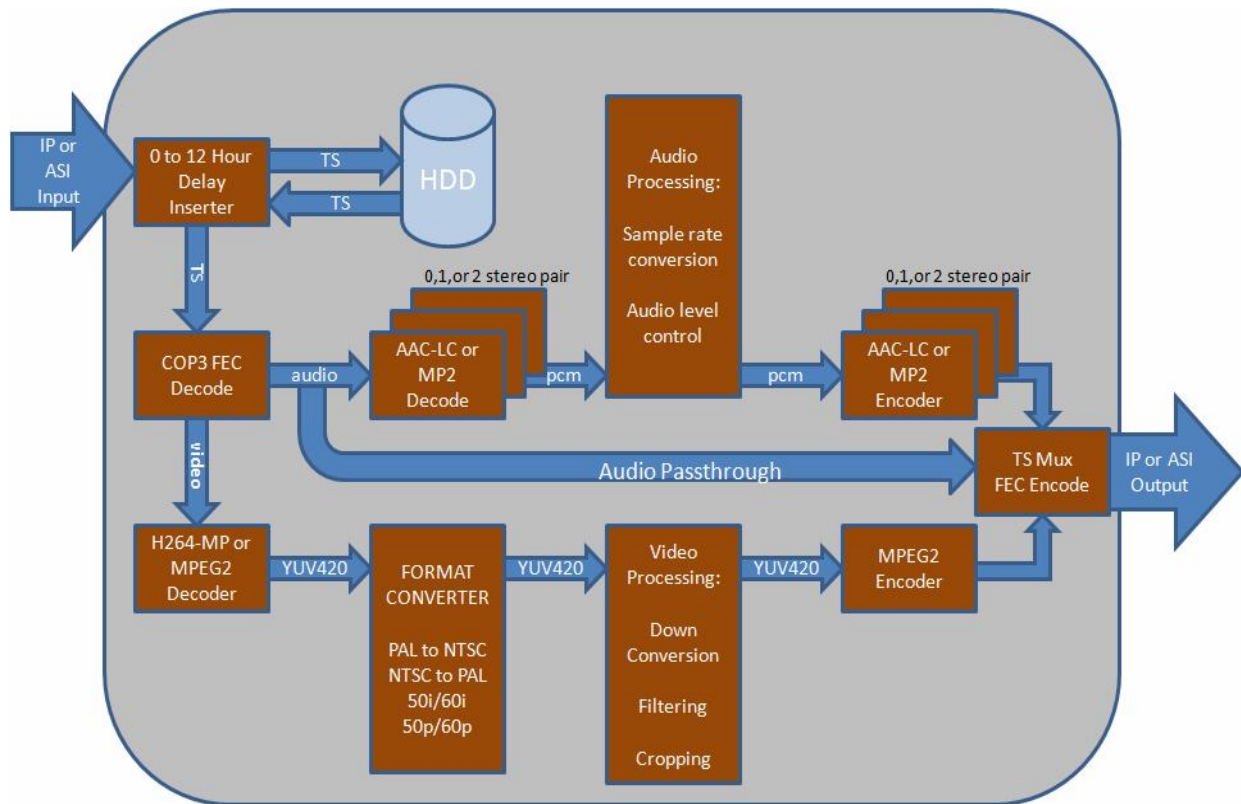


PRESTO T201 - Combination A/V Transcoder and Format Converter



igolgi Inc. provides an innovative integrated solution that combines many common functions for real-time A/V workflows. The PRESTO T201 provides a 16-20X space and power efficiency gain compared to existing solutions. Four SD channels or one 1080p60 HD channel is supported in a 1U form factor.

igolgi's solution uses high quality igolgi VELOCE MPEG2 and H.264 codecs, integrated with a 3 frame, motion compensated programmable de-interlacer/format converter. The result is stunning picture quality and full control of your workflow.

Key Features:

- MPEG2/H.264 to MPEG2/H.264 transcoding
- Innovative compression algorithms with best in class performance
- Motion Compensated High Quality Format Conversion
- Delay Inserter (option)
- Multi-channel Audio support
- Audio level control (option)
- Pro MPEG FEC COP3 (option)
- Flexible architecture for optimum system installations matched to channel needs

SPECIFICATIONS

Compression Standards

Video

MPEG-2

Simple, Main, and 422P Profile
up to High Level

MPEG-4 AVC/H.264

Baseline, Main, and High Profile
Level 3 SD, Level 4.1 HD

Audio

MPEG-1 layer 2

MPEG2/MPEG-4 AAC-LC

Dolby Digital E, AC-3
pass through

Sampling Freq 32, 44.1, 48 KHz

Resolutions and Frame rates

Flexible – Mobile to HD 1080p60

Four SD or One HD

Mix and match resolutions

Example Common Resolutions :

576i and 480i x 720, 544 and 352 pixels @ 25, 29.97
and 30 Hz

1080i x 1920, 1440, 1280 and 960 pixels @ 25, 29.97
and 30 Hz

720p x 1280, 960 and 640 pixels @ 23.976, 50,
59.94 and 60 Hz

1080p x 1920,1440,1280, and 960 pixels @ 23.976,
50, 59.94, and 60 Hz

Video Processing

Format Conversion

PAL/NTSC to NTSC/PAL

50i/25p to/from 60i/30p

50p to/from 60p

Cropping/Scaling

Single in – multi-out

Noise Filtering (option)

0 to 12 hour delay inserter (option)

Transcoding

Full decode/full re-encode mode

Transrating only mode

Controllable level of decode/encode

Intelligent re-use of decoded bitstream
data

Scene Change Detection and I frame
insertion

Fixed and Dynamic GOP Structures

Rate Control

CBR

VBR

Capped VBR

Single and multipass modes

Input/Output Bitstream Formats

MPEG2-TS

IP/UDP/RTP

IP/UDP/RTP/MPEG-TS

Input-Output Interfaces

IP

ASI (option)

Configuration and Management

Embedded web-server interface

SNMP MIB (option,customizable)

Xeon Platforms

Xeon 55XX

Xeon 56XX

Blades, 1U, 2U

High efficiency power (option)

Redundent power (option)

