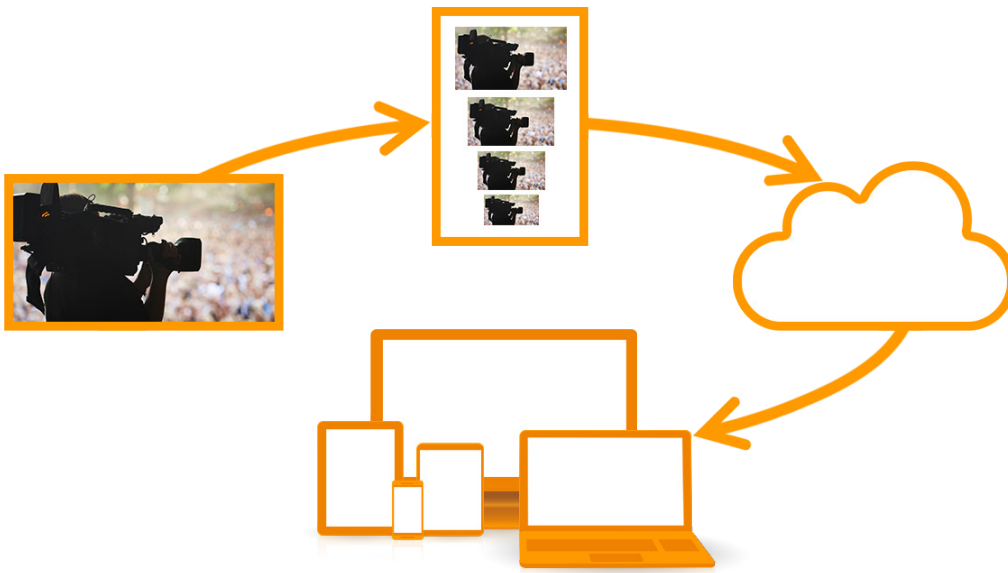


OTT Transcoder/Encoder

TXS 8700



OVERVIEW

The OTT Transcoder/Encoder TXS 8700 from Sencore is a hardware appliance or virtualizable software package designed for transcoding live TV services to H.264 or H.265/HEVC for OTT TV or IPTV. It can perform pure software or GPU-accelerated encoding, allowing for both premium video quality and density.

Its modular architecture makes it suitable for encoding on a single server or a private cloud. It can be remotely managed and monitored and integrates seamlessly within existing content processing workflows.

KEY FEATURES

- Full-featured software for transcoding to OTT TV & IPTV
- Live transcoding and OTT packaging
- Support for H.264, H.265/HEVC output
- Software or GPU-accelerated encoding
- Support for multiple channels per server
- Virtualizable (VMWare, Hyper-V, KVM)
- Future-proof, upgradable software
- "Pay as you grow" licensing

SPECIFICATIONS

INPUT

Video

MPEG-2, up to HD
H.264, up to HD

Audio

MPEG-1 Layer II
AAC
Dolby Digital
Dolby Digital Plus

Transport

MPEG-TS / IP in UDP
MPEG-TS / IP in RTP/UDP (FEC)

OUTPUT

Video Preprocessing

Adaptive de-interlacing
Video cropping and resize
Aspect-ratio conversion or pass-through
Frame rate down- and up-conversion
Color enhancement
Logo & Slate insertion
Video preview

Video Encoding

H.264, up to HD
H.265/HEVC, up to HD
Software or Hardware-accelerated encoding
Multi-bitrate video encoding for Adaptive Streaming
Up to 16 profiles per service
CBR, VBR, ABR

SPECIFICATIONS

OTT Transcoder/Encoder TXS 8700

OUTPUT (CONT)

Audio Preprocessing

Automatic Gain Control
Audio level
Configurable audio delay
5.1 and stereo downmix
Audio resampling

Audio Encoding

32 audio tracks per service
Pass-through
MPEG-1 Layer II
AAC-LC, HE-AAC v1/v2
Dolby Digital
Dolby Digital Plus

Packaging

Apple HLS
MPEG-DASH (ISO BMFF CMAF)
DVB-DASH for HbbTV
Adobe RTMP
SPTS in UDP or RTP/UDP with FEC (IPTV and PiP)
Microsoft Live Smooth Streaming
RTP / RTCP
TS and MP4 archive
Keepix Mezzanine

Subtitling

DVB-Teletext
DVB-Subtitle
Closed Caption (CEA-608/708)
Pass-through
Burn-in
Conversion to AMF0, TTML/EBU-TT-D, SMPTE-TT, WebVTT

Ad Insertion

SCTE-35 pass-through

Encryption

PlayReady
Verimatrix VCAS
Irdeto
Widevine
INSIDE Secure
CryptoGuard
BuyDRM
SecureMedia
DASH-CENC
Open Key (KMS)

Delivery

FTP, HTTP, WebDAV, RTMP
Embedded Origin Server
Interoperability with: Anevia, Broadpeak, Edgeware, Huawei

CDN

Akamai certification
StreamZilla
Highwinds
Tulix
Level 3
Verizon EdgeCast
Limelight

OPERATION & MANAGEMENT

Web GUI
HTTP RESTful API
SNMP monitoring
DataMiner supervision
Easily upgradable
N+P redundancy
Runs on Intel-based platforms
Support for Intel Quick Sync Video
Virtualizable in public or private clouds:

- Amazon EC2
- Microsoft Azure
- VMWare Workstation
- OpenStack/KVM