

Multi-format SD/HD H.264 Encoder



Versatile LIVESStream for IPTV and Broadcast

The versatile LIVESStream series provides a universal solution for current and future encoding needs. The platform enables smooth migration from MPEG-2 to H.264, allowing transmission of full HD video over DVB-ASI and IP networks with narrow bandwidths while maintaining high video quality with an untouchable price up to now on this market.

The LIVESStream MPEG-4 AVC encoder enables broadcasters to encode both standard definition (SD) and high definition (HD) video signals, and is also equipped with a new motion latency mode that is ideal for transmitting sporting and other rapid-motion events. The low data rates in the LIVESStream allows exceptional picture quality for ENG/DSNG applications at bit rates normally associated with standard definition feeds.

Powerful error correction functions (FEC) ensure high quality of service over IP networks by preventing the distortion of decoded images, even when network packet losses occur.

With its compact size and rugged construction, added to its low power technology and OEM customization facility, LIVESStream reduce drastically the cost of transmission from remote locations that demand HDTV image quality.

Key features

- Video coding: 720p/1080i at HP@L4, 480i at MP@L3
- One up to four channels
- Video bit rates: 2 up to 20 Mbps
- Standard and low latency modes
- Interfaces: real-time HDTV transmission over DVB-ASI and IP networks

Benefits

- HD video transmission over narrow bandwidth networks
- High quality HD encoding at sub 7Mbps for IPTV
- High quality SD encoding at sub 3Mbps for Mobile TV
- Versatile system for a lot of applications thanks to different options:
 - Encoding/Decoding in H.264 AVC
 - Transcoding
 - Transrating
 - Video/Audio storage
 - Video/Audio transport over IP



Front panel with its local MMI and customisable OEM logo and brand name.

LIVeStream

Specifications

Functions	<p>Transcode video MPEG-2 HD to H.264 HD/SD Transcode video MPEG-2 SD to H.264 SD Audio Time stamp re-allocation Encode/decode video baseband to H.264 HD/SD Encode/decode audio baseband to MPEG-1 audio Layer2 Transrate baseband (ex 8Mbps to 4Mbps) Video/Audio storage Video/Audio transport over IP</p>
Video inputs	<p>Up to 4 video inputs full format: 1080i, 720p Input formats: SD / HD-SDI / DVB-ASI Video resolution: - 1920x1080x60i/50i - 1440x1080x60i/50i - 1280x720x60p/50p - 720x480x60i - 720x576x50i</p>
Audio inputs	<p>Input format: AES-EBU (1 channel by video input)</p>
Outputs	<p>DVB-ASI interface: up to 4 ASI outputs SD-HD/SDI interface: up to 4 outputs Audio interface: AES-EBU (up to 4)</p>
LAN	<p>3GigE RJ-45</p>
Cabled processing	<p>Main video encoding format: H.264/AVC High Profil Level 4.0 Video encoding/decoding rates: 2 to 20 Mbps Audio encoding/decoding format: MPEG Layer 2, Dolby Digital (AC3), AAC, Linear PCM</p>
CPU processing	<p>Intel Core 2 Duo Mobile - T7400 @2.16GHz, FSB667, 4MoCache L2 Intel 945GM</p>
Storage	<p>SATA-2 Hard disk up to 1To</p>
Control and monitoring	<p>Remote: - Web based management - MIB / SNMP control support Local: - Front panel with LCD/keypad Presets: - Up to 64 different configurations</p>
Physical characteristics	<p>Size: 19"/1-RU (482 x 44.5 x 395 mm) Weight: 7.5 kg</p>
Environmental characteristics	<p>ATX 12V/ 200W Input voltage:90-260VAC auto range Power consumption: <30 watts with one channel Cooling airflow: front to rear Operating temperature: 0°C to 45°C Storage temperatures: -20°C to 65°C Operating humidity: 5 to 90% (non condensing)</p>
Certifications	<p>CE Mark: EMC compliance UE 2004/108/CE EN 61000-6-2 EN 55022 ; EN 55024 Safety compliance UE 2006/95/CE EN 60950-1 :2006</p>