

Juice Hi-Density Transcoder

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Juice
HI-DENSITY
TRANSCODER



15Channels ASIC H264 Transcoder for 1U rack
Max 120CH per 8 transcoders x 1U

Antik's Juice Hi-Density Multi-Transcoder based on ultra-fast ViXS chipset is offering you a great tool for your project. It's capable of transcoding up to 15 SD or HD channels. Slim 2x1U Rack design will save you space and money. You can have up to 8 transcoding modules, each can transcode 15 TV channels, so in total you will be able to manage 120 channels. This solution is great for any IPTV project, from typical Telco headends to large scale OTT projects. Extremely cost effective solution per channel.

- Real time transcoding of up to 15 video streams
- Multi-format IP2IP video transcode (H.264, MPEG2)
- HD Encoding up to 1080i
- 2x1U slim rack-mounted design
- Low power consumption
- 10/100/1000 Base-TX Ethernet network interface
- Front panel with OLED display
- WEB-based remote configuration and control (HTTP), SNMP support
- All SD and HD resolutions support
- Support of wide range of bit rates: 6Kbps to 40 Mbps
- Compatible with all major television broadcasting standards: NTSC, PAL, SECAM

Juice Hi-Density Transcoder is professional tool for headend application developed to enhance transcoding efficiency and decrease its time delay. Supports a wide range of operating programs, from low to very high bit rates. The device features the latest advancements in video encoding, performing to H.264 and MPEG specifications. Multiprofiling option can secure various, impressive & flexible transcoding functions, which can be controlled to provide a plenty of transcoding applications.

All features are well supported by Juice Transcoder Web Management, where you can easily configure settings for your optimal performance. Front panel with **OLED display** is offering also another way how to manage or check the status of device. All together, this system is extremely cost effective solution per channel.

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Košice / Colorado / Moscow / Hong Kong / Shen-Zen / Singapore

Antik Technology

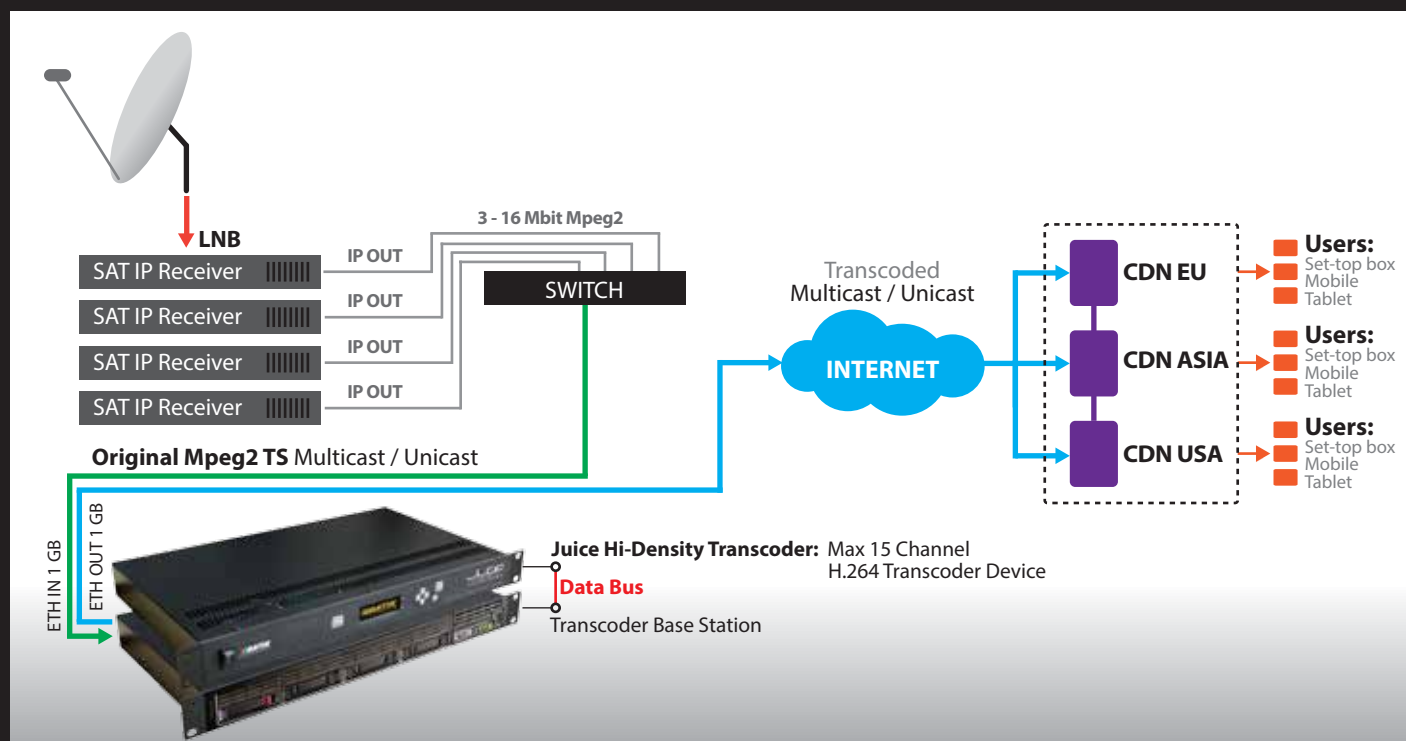
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Juice Hi-Density Transcoder Specifications

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Video Transcoding

MPEG2 SD/HD to MPEG2 SD/HD
MPEG2 SD/HD to MPEG4 SD/HD AVC
MPEG2 SD/HD to MPEG4 SP/ASP
MPEG4 SD/HD AVC to MPEG2 SD/HD
MPEG4 SD/HD AVC to MPEG4 SD/HD AVC
MPEG4 SD/HD AVC to MPEG4 SP/ASP

Bit-rate reduction of multiple streams, 40Mbps to 64Kbps Resolution reduction, HDTV to HDTV, SDTV.

Audio Processing

MPEG1, L1, L2, MP3, AAC, Dolby AC-3 True HD 7.1, 5.1.

Programmable Audio Processing

- MPEG2 LI, LII
- MPEG2 AAC-LC-Stereo
- Dolby AC-3 True HD, 7.1, 5.1, Stereo

Typical Applications

Multiprofile/Multistream Transcoder for Over-the-Top delivery:
MPEG2/MPEG4 to H.264 transcoding and transrating.

Multiprofile/Multistream Transcoder for Over-the-Top delivery:
MPEG2/MPEG4 to H.264 transcoding and transrating, SD->SD, HD->HD, HD->SD

Strong Chipset Platform

- 1200DMIPS Multi-Chip Platform for highest transcoding performance

Environmental Conditions

- Operating Temperature 0°C - +50°C
- Storage Temperature -20°C - +70°C

Outputs

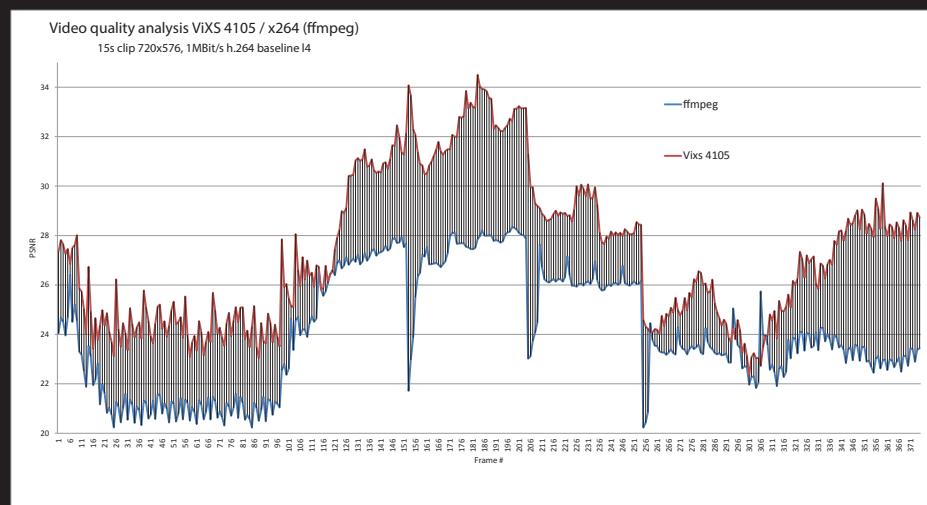
- RJ45 Ethernet 10/100/1000Mbps

Audio / Video Containers

- Multiple Audio / Video containers supported.

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Juice Hi-Density Transcoder vs. SW Encoder Picture Quality Comparison



Juice Ember Hi-Density Transcoder Web Management

