Niagara® 9500 Transcoders

Linux based high-density/low power consumption 1RU systems

Systems scale with modules

The Niagara 9500 series is a Linux based high-density/high-performing multi-channel transcoder for service providers, broadcasters, and enterprises. The system also supports VOD functionality.

High Density
The system can transcode up to 72HD streams, 48 3G streams or 144 SD streams

Low Power and Space usage
The 1RU system typically consumes 120 watts making it very green.

Exceptional Performance
With the latest high-performance Jetson modules, you can transcode easily and efficiently.

Comprehensive and Adaptable
All industry encoding formats are included on one system as standard. HEVC is also included at no extra cost!

Ideal Solutions

> Content delivery

> Corporate Video Delivery

Applications

> Live streaming / simulcasting

> Webcasting

> Mobile TV

> IPTV

Key Attributes

> Live capture, encoding and streaming for professional-grade digital video and audio delivery

> Play-out from file/VOD

> Scheduling

> Configurable video/audio inputs

> Individually brand streams with bitmap overlays (e.g., logos and graphics)

> Web interface and SNMP provide remote setup, control and monitoring

> High-efficiency power supplies

Delivering Video Whenever, Wherever

Niagara® 9500 Digital Models

Transcoder

Niagara 9500-TR2: 2 modules

Niagara 9500-TR4: 4 modules

Niagara 9500-TR6: 6 modules

Niagara 9500-TR8: 8 modules

Rear View

Specifications

Formats/Protocols:

- Adobe® Flash® H.264* (RTMP and RTMPS)
- NDI
- SRT
- Apple® HTTP Live Streaming (HLS)
- Dynamic Adaptive Streaming over HTTP (MPEG-DASH)
- Microsoft® Live IIS Smooth Streaming
- MPEG 2 Transport Stream (UDP or RTP)
- WebRTC
- MSE-LD
- M4S, M4F

Transcoding:

- Video Codecs: MPEG-2, H.264 and HEVC
- Audio Codecs: MPEG-1 Layer II, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3), AAC, Opus, MP3, PCMA/PCMU

Pre-Processing:

- Adaptive de-interlacing
- Video rescaling
- Aspect-ratio conversion or pass-through

- Frame rate down and up-conversion
- Video preview
- Logo & Slate insertion
- Time code/Date&Time insertion
- Closed-caption support

Software:
- SCX + (SCX Plus Linux)
- SNMP
- Web SDK (REST API)

Connectivity:
- 4x1GB Ethernet

Dimensions:
  1U rack mount appliance (*438x525x44 mm*)

Weight:
- 33 lbs. (*15 Kgs*)

Power:
- 300W redundant power supplies
- NEMA 5-15 type connector

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