Niagara® 9100-2IP Video Processor

Streaming Media Systems

Flexible transcoder

The Niagara 9100-2IP video processor is able to receive video via IP (UDP or RTP) in multiple program transport stream (MPTS) or single program transport stream (SPTS) formats and can transcode, transmux and transrate into a wide range of output formats including Adobe® Flash®, Apple® HTTP live streaming (HLS), Microsoft® Windows Media and MPEG2 transport stream (TS). Two models are available with either single or redundant power supplies and single or redundant Ethernet ports.

Output Flexibility
The Niagara 9100-2IP product supports all of the popular streaming formats so you can reach any video device, server or CDN you like.

Broad Management Options
Optimize your workflow by easily developing customized solutions with the powerful and accessible web SDK. The new SNMP feature allows for integration into existing management platforms.

Exceptional Performance
With the latest high-performance multi-core processing technology, deliver multiple simultaneous streams in a variety of formats to extend existing audiences and reach new ones, such as mobile, web, and IPTV users.

High Quality
This product is built upon years of experience in hardware and software design.

Ideal Solutions
> Content delivery networks

> Network service providers

> Enterprise/Government

> Broadcast

Applications
> Live streaming / simulcasting

> Digital Turnaround

> Mobile TV

> Surveillance

> Archiving/Video on Demand

> IPTV

Key Attributes
> Transcoding, transrating and transmuxing of common IP video signals

> Configurable MPTS and SPTS input formats

> Web or SNMP interface provides remote setup, control and monitoring
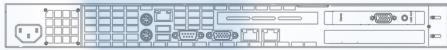
> High-efficiency power supply

ViewCast®

Delivering Video Whenever, Wherever

Niagara® 9100-2IP
Streaming Media System

Front View

The Niagara 9100-2IP is currently available in the following configuration.

Niagara 9100-2IP

Input/Output and Management:
- 2 Gig E connections
  (*1 Primary and 1 Redundant*)

Back View

Specifications

Encoding Formats:

- Adobe® Flash® H.264*
- Adobe® Flash dynamic streaming
- Apple® HTTP live streaming
- Microsoft® Live IIS Smooth Streaming
- Microsoft® Windows Media® *(Silverlight®)* SD and HD*
- MPEG-4, H.264, H.263
- 3GPP/3GPP2, MP4 container support
- MPEG-2TS, H.264, MPEG-2 (SPTS)
    * *Output streams tested up to 1080p at 30 fps using Flash H.264 and Windows Media*

Input Types:
- MPTS/SPTS
- UDP/IP

Monitoring:
- LCD status display

Connectivity:

USB ports:
- 2 rear panel, 1 front panel

Ethernet:
- 2 x 1 Gbit ports

Software:

- Web-based configuration tool
- Web SDK
- SNMP

Hardware:
- Multi-core processors
- 500 GB SATA HDD

Pre-Processing:

- Scaling and de-interlacing
- Closed-caption rendering

Weight:
- 41 lb (*18.6 Kgs*)

Dimensions:
- 1U rack mount appliance (*1RU x 17" W x 25.6" D*)
                                (*1RU x 43.2 cm W x 65 cm D*)

Power:
- 560 W power supply

Additional Contents:
- Rack slide rails

Hardware Warranty:

- 1 year limited hardware warranty

RoHS compliant

ViewCast®
Delivering Video Whenever, Wherever

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