Niagara® 9100

Streaming Media System

Configurable solution to fit a variety of needs.

The Niagara 9100 series is a high-density/high-performing multiple encoder platform for service providers, broadcasters, and enterprises. The Niagara 9100 can be configured for a variety of video and audio inputs including HD SDI, component, Y/C, composite video with balanced, unbalanced, embedded, and AES/EBU audio.

Highest Density in the Industry

Configure the Niagara 9100 with up to eight independent channels in this 1RU system for the maximum density you will find anywhere.

Enhance Efficiencies

Optimize your workflow by easily developing customized solutions with the powerful and accessible web SDK.

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.

Comprehensive and Adaptable

All industry encoding formats are included on one system as standard.

Ideal Solutions

> Content delivery networks

> Network service providers

Applications

> Live streaming / simulcasting

> Webcasting

> Mobile TV

> Archiving/Video on Demand

> IPTV

Key Attributes

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

> Configurable video/audio inputs

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

> Web interface provides remote setup, control and monitoring

> High-efficiency power supply

Delivering Video Whenever, Wherever

ViewCast®

Niagara® 9100
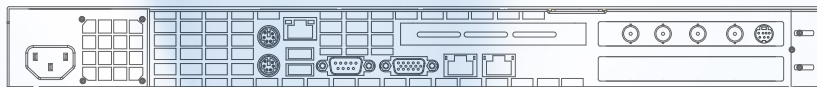## Streaming Media Systems

Front View

The Niagara 9100 is currently available in the following models.

Niagara 9100-4A

Video: - 4 composite (*8 x BNC*)
       - BNC - RCA adapters included
Audio: - 4 unbalanced (*8 x RCA*)

Back View

Niagara 9100-4AV

Video: - 4 composite (*4 x BNC*)
       - BNC - RCA adapters included
       - 4 component
       - 4 Y/C (S-Video)
Audio: - 4 unbalanced (*8 x RCA*)
       - 4 balanced (*8 x XLR*)

Back View

Niagara 9100-8A

Video: - 8 composite (*8 x BNC*)
       - BNC - RCA adapters included
Audio: - 8 unbalanced (*16 x RCA*)

Back View

Niagara 9100-2D

Video: - 2 HD or SD SDI (*2 x BNC*)
Audio: - Embedded SDI
       (*8 stereo pair per SDI input*)

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

> ** Output streams tested up to 1080p at 30 fps using Flash H.264 and Windows Media*

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
- SimulStream®

Hardware:

- Multi-core processors
- 500 GB SATA HDD

Pre-Processing:

- Scaling, cropping, de-interlacing, inverse telecine
- Closed-caption rendering (*SD only*)

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

ViewCast®
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