

# 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

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Streaming Media Systems



Front View

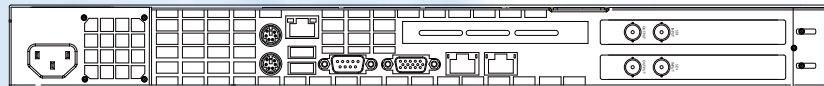
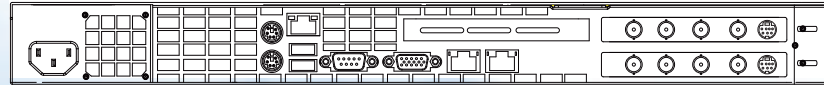
The Niagara 9100 is currently available in two models.

## Niagara 9100-8A

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

## Niagara 9100-2D

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



Back Views

## 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:                    | Ethernet:          |
| • 2 rear panel, 1 front panel | • 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



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