

# Niagara® 9100 Analog Input Models

Streaming Media System

*Configurable solution  
to fit a variety of needs.*



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

### Highest Density in the Industry

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

### Enhance Efficiencies

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

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

# Niagara® 9100 Analog Input Models

Streaming Media Systems

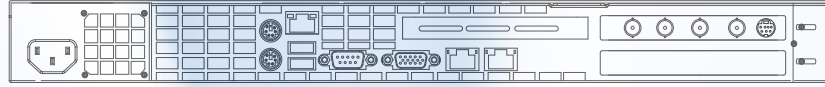


Front View

The Niagara 9100 is currently available in the following analog input models.

## Niagara 9100-4A

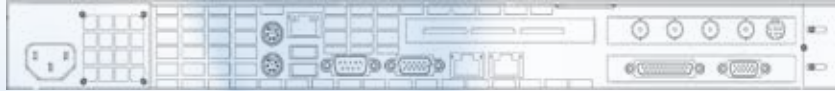
- Video:** - 4 composite (4 x BNC)  
- BNC - RCA adapters included
- Audio:** - 4 unbalanced (8 x RCA)



Back View

## Niagara 9100-4AV

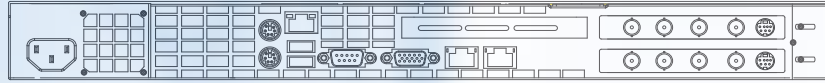
- Video:** - 4 composite (4 x BNC)  
- BNC - RCA adapters included  
- 4 component  
- 4 Y/C (S-Video)
- Audio:** - 4 unbalanced (8 x RCA)  
- 4 balanced (8 x XLR)



Back View

## Niagara 9100-8A

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



Back View

Each of the models (for example the Niagara 9100-8A) can be ordered with a redundant power supply option. The illustration shows the configuration:



## Specifications

### Encoding Formats:

- Adobe® Flash® H.264\*
- Adobe® Flash dynamic streaming
- Apple® HTTP Live Streaming (HLS)
- Microsoft® Live IIS Smooth Streaming
- Microsoft® Windows Media® (Silverlight®) SD and HD\*
- MPEG-4, H.264, H.263
- 3GPP/3GPP2, MP4 container support
- MPEG 2 Transport Stream, H.264 and MPEG 2 codecs

\* 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
- SNMP
- Web SDK

### Hardware:

- Multi-core processors
- 1 TB SATA HDD

### Pre-Processing:

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

### Weight:

- 41 lb (18.6 Kgs)
- 43 lb (19.5 Kgs) Redundant model

### 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
- Dual 650 W power supply (Redundant model)

### Additional Contents:

- Rack slide rails

### Hardware Warranty:

- 1 year limited hardware warranty



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