

# Niagara® 9100 Digital Input Models

Streaming Media Systems

*Different models to fit a variety of needs.*



The Niagara 9100 series is a high-density/high-performing multi-channel encoder for service providers, broadcasters, and enterprises. The Niagara 9100 digital input series supports HD and/or SD SDI inputs with up to 8 stereo pairs (16 channels) of embedded audio.

### High Density

Configure the Niagara 9100 with two or four independent channels in this 1RU system for applications that require high density.

### 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
- > 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
- > 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 supply

# Niagara® 9100 Digital Input

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Front View

The Niagara 9100 is currently available in the following models.

## Niagara 9100-2D/2De

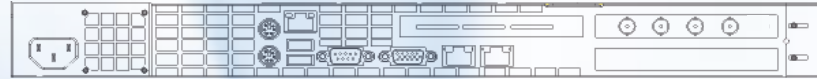
- Video: - 2 HD or SD SDI (2 x BNC)
- Audio: - Embedded SDI  
(8 stereo pair per SDI input)



Back View

## Niagara 9100-4D

- Video: - 4 HD or SD SDI (4 x BNC)
- Audio: - Embedded SDI  
(8 stereo pair per SDI input)



Back View

Each of the models can be ordered with a redundant power supply option. The illustration shows the configuration:



Back View

## 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 (UDP or RTP), 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:                    | Ethernet:          |
| • 2 rear panel, 1 front panel | • 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)

### 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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