



Eight-channel analog system: high-quality, high-density encoding.

A powerful system.

The Niagara® 8224 is a high-density media encoder, designed and optimized to capture, encode, stream, and archive premium quality audio and video on eight fully independent channels simultaneously. This powerful system is the ideal choice for creating select combinations of full- and CIF-resolution streams for your most demanding multi-channel applications.

Easy-to-use interface.

The Niagara 8224 includes two of ViewCast's most versatile software applications – Niagara SCX® and SimulStream® – both pre-configured and ready to use. These award-winning tools empower you to set up, control, and monitor the Niagara streaming system using a single, easy-to-use interface. Capture, encode, stream and archive video in a wide variety of popular encoding and streaming formats.

Increased flexibility.

Niagara SCX remote management software together with SimulStream, enables you to create multiple streams in different formats in real time, giving you the flexibility to create exactly the right content for your audience. You can encode different streams for Intranet users, high-speed Internet users, dial-up users and users with mobile devices – all at the same time! You can customize each stream with:

- Individual sizing and scaling
- Bitmap overlays (such as logos and graphics)
- Closed-caption pre-rendering, etc.

This level of flexibility and convenience is another reason ViewCast is a global leader in the industry.

Ideal Solutions

- > Government
- > Security/military/law enforcement
- > Network service providers

Applications

- > Webcasting
- > Live streaming
- > Traffic/weather
- > Mobile TV
- > Surveillance

Key Attributes

- > High-density encoding with 8 fully independent channels per system
- > Captures, encodes, streams and archives video and audio content from separate analog A/V sources
- > Each channel can be configured independently to customize delivery formats, sizing and bit rates
- > Generates a variety of encoding and streaming formats at the same time
- > Enables customized streams with bitmap overlays (e.g., logos, graphics)
- > Single interface provides setup, control and monitoring
- > Low-cost per channel
- > Simultaneously streams multiple resolutions at multiple bit rates in multiple streaming formats including MPEG-4 and Microsoft® Windows Media® (Silverlight®)

NIAGARA® 8224

Streaming Media System

Niagara 8224 front view



Niagara 8224 back view



Optional Breakout Audio and Video Panels



2 x 1RU 8 channels composite and unbalanced audio



2 x 1RU 8 channels balanced stereo audio inputs (XLR)



2 x 1RU 8 channels component, Y/C (S-Video) video input or 24 composite video inputs

Encoding Formats:

- Microsoft® Windows Media® (Silverlight®)
- MPEG-4 Part 2, H.263, and H.264
- RealVideo®
- Uncompressed AVI capture to file
- 3GPP/3GPP2 container support for MPEG-4

Inputs:

Video:

- 8 composite (8 x BNC) video inputs (BNC to RCA adapters included)
- Optional panels for component, Y/C, or additional switched composite video; balanced audio; and extension of composite and unbalanced audio

Audio:

- 8 pair RCA unbalanced stereo audio inputs (16 x RCA via breakout cables)
- Optional panels for balanced stereo audio

Video Formats:

- NTSC/PAL

Connectivity:

Ethernet:

- 2 x 1 Gbit ports

Software:

- Niagara SCX®
- SimulStream®

Hardware:

- 2 x Quad core processors
- 2 x 250 GB SATA HD
- 4 GB RAM
- DVD-RW drive
- Osprey® 450e technology

Pre-Processing:

- Scaling, cropping, de-interlacing, inverse telecine, closed-caption rendering

Weight:

- 45 lbs (18.9 Kgs)

Dimensions:

- 2U rack mount appliance (2RU x 17" W x 24.5" D)
(2RU x 43.18 cm W x 62.23 cm D)

Power:

- 400 W power supply

Package Contents:

- Adapter, rack slide rails and audio breakout cables

Hardware Warranty:

- 1 year limited hardware warranty



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US/Canada 800.540.4119 | Europe/Middle East/Africa +44 1256 345610 | Asia/Pacific +852 2251 8778

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