8-Channel Analog System: High-Quality, High-Density Encoding.

The Niagara® 8224 is ViewCast's newest high-density media encoder, designed and optimized to capture, encode, stream, and archive premium quality audio and video on 8 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.

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

Niagara SCX Pro software, together with SimulStream software, 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. This means 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 Solution for:

> Government
> Security/Military/Law Enforcement
> Network Service Providers

Applications

> Webcasting
> Live streaming
> Traffic/Weather
> Surveillance
> Mobile TV

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.

> Accepts Component, Y/C (S-Video) and Composite video inputs in the popular world-wide formats (NTSC and PAL)

> Balanced and Unbalanced stereo audio inputs

> Generates a variety of encoding and streaming formats at the same time

> Remote control and management

> Enables customized streams with bitmap overlays (e.g., logos, graphics)

> Single interface provides set-up, control and monitoring of multiple geographically-dispersed streaming systems

> Low-cost per channel

ViewCast®
Next Generation Streaming Media Solutions

Niagara® 8224
Streaming Media Encoder

Front View

Back View

Optional Break-out 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

- Windows Media® *(Silverlight™ compatible)*
- H.264
- MPEG-4 Part 2
- H.263
- 3GPP/3GPP2 container for MPEG-4
- RealVideo®
- Uncompressed AVI capture to file

Inputs:

Video:
- 8 composite (*BNC*) video inputs (*BNC to RCA adapters included*)
- Optional panels for component and Y/C video

Audio:
- 8 pair RCA unbalanced stereo audio inputs (*BNC, RCA adapter included*)
- Optional panels for balanced stereo audio

Connectivity:

Ethernet:
- 2 x 1Gbit Ports

Software:
- Niagara SCX Pro
- SimulStream

Hardware:
- 2 x Quad-Core Processors
- 2 x 250GB SATA Hard Drives
- 4 GB Memory (4 x 1GB)
- DVD-RW Drive

Weight:
- 45 lbs (*18.9 Kgs*)

Dimensions:
- 2U Rack Mount Appliance (2RU x 19" W x 24.5" D)

Power:
- 400W Power Supply

Hardware Warranty:
- 2 Year limited hardware warranty

For more information, visit us on the web at viewcast.com

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