

Niagara® 7224 Streaming Encoder



Ideal Users and Applications

- **GOVERNMENT**
For state or local government applications, such as remote viewing of multiple traffic or weather cameras
- **SECURITY / MILITARY / LAW ENFORCEMENT**
For remote viewing of multiple surveillance cameras
- **NETWORK SERVICE PROVIDERS**
For live streaming and mobile video

Key Attributes

- Captures, encodes, streams and archives video and audio content from separate, independent analog A/V sources
- Low-cost, high-density encoding — up to 8 fully independent channels per system
- Each channel can be configured independently to custom delivery formats, sizing, bit rate speeds, etc.
- Accepts composite video inputs in all popular worldwide formats (NTSC, PAL, etc.)
- Generates a wide variety of encoding and streaming formats at the same time
- Sizes and scales multiple streams at various bit rate speeds – all simultaneously
- Enables customized streams with bitmap overlays (e.g., logos, graphics)
- Single interface provides set up, control and monitoring of multiple geographically-dispersed streaming systems

Niagara® 7224

8 Channel Analog System - Lots of Channels at an Affordable Price

The Niagara® 7224 is ViewCast's high-density media encoder, designed and optimized to capture, encode, stream, and archive premium-quality audio and video on up to eight channels at the same time. This powerful system is the ideal choice for simultaneously creating select combinations of full- and CIF-resolution streams for your most demanding multi-channel applications, including:

- Streaming multiple traffic cameras for state and local governments
- Remotely viewing surveillance cameras for security, military and law enforcement
- Capturing and encoding live video for streaming to mobile devices
- Capturing and compressing video for digital media archiving

The 8-channel Niagara 7224 2U analog media encoder is the perfect starting point for:

- Low-cost, high-density encoding
- Fully independent channels to configure:
 - Capture size and bitrate
 - Media format and other options
- Each video channel accepts:
 - Standard component
 - Composite or Y/C (S-Video)
 - Worldwide formats (NTSC and PAL)
- Industry standard audio inputs – balanced and unbalanced stereo

The Niagara 7224 includes two of ViewCast's most versatile software applications— Niagara SCX® and Osprey® 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 Internet, using a single, easy-to-use interface.

Capture, encode, stream and archive video in a wide variety of popular encoding and streaming formats, including:

- Uncompressed AVI capture to file
- Adobe Flash® capture to file

- Windows Media® (Silverlight™ compatible)
- RealVideo® streaming and capture to file
- RMPEG-4

Niagara SCX, together with Osprey 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 audiences. 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!

Niagara® 7224



Powerful Streaming Encoder

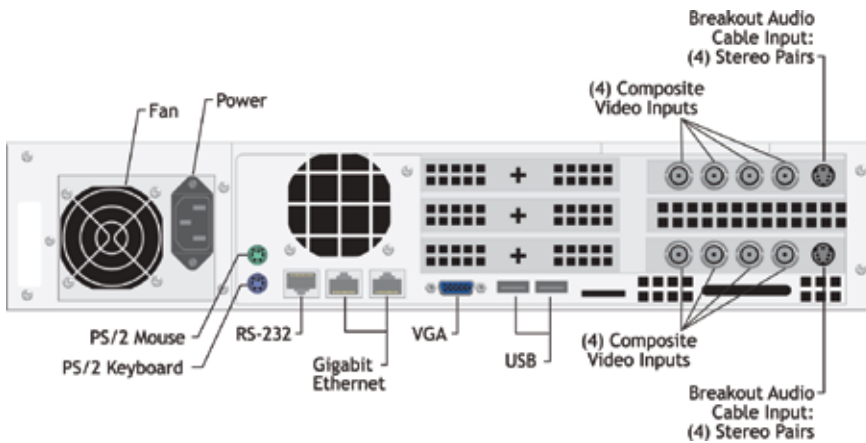
You can also size and scale each individual stream, and customize each stream with bitmap overlays (e.g., logos and graphics), closed-capture pre-rendering, etc. This level of flexibility and convenience is another reason ViewCast is a global leader in the industry.

* Niagara SCX allows complete control over each stream's capture size and other parameters that can cumulatively affect system performance due to the limitations of CPU speed and other internal factors. Contact ViewCast's Application Support team to ensure that the Niagara 7224 can support your combination of channels, frame sizes, bitrates, multiple format encodes, etc.

Niagara® 7224 Streaming Encoder



Niagara 7224 Streaming Encoder



System Configuration:

- Inputs (via 2 x Osprey-440 Capture Cards)
- 8 x Composite (BNC) Video Inputs (BNC to RCA adapters included)
- 8 x RCA Unbalanced Stereo Audio Inputs (via breakout cable)
- 2U Rack Mount Encoder (3.5" H x 19" W x 24" D)
- 2 x Dual-Core Xeon Processors
- 2 x 250GB SATA Hard Drives
- 2 GB Memory (4 x 512MB), 533MHz
- 600W Power Supply
- 2 x 1Gbit Ethernet Ports
- DVD-RW Drive
- Niagara SCX Pro Software
- Osprey SimulStream Software
- Microsoft® Windows® XP Professional

Software Includes:

- Niagara SCX – Remote encoder management and control software for monitoring and control of multiple, remote or distributed streaming encoders throughout an enterprise or across the Internet.
- Osprey SimulStream – Supports multiple, concurrent streams of Microsoft® Windows Media (Silverlight compatible) and RealVideo® at multiple bit rates from a single video source.
- Microsoft Windows XP Professional