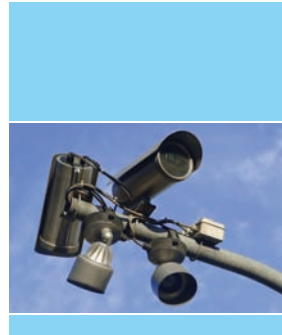




High Density Audio and Video Capture



## VIEWCAST NIAGARA STREAMING MEDIA ENCODER SYSTEMS

### TRAFFIC MONITORING | MOBILE STREAMING | SURVEILLANCE CAMERAS

The Niagara 7224 is a high channel density, analog video/audio streaming encoder. With 8 video/audio inputs, this encoder provides the most channels in a 2U configuration that ViewCast has ever offered.

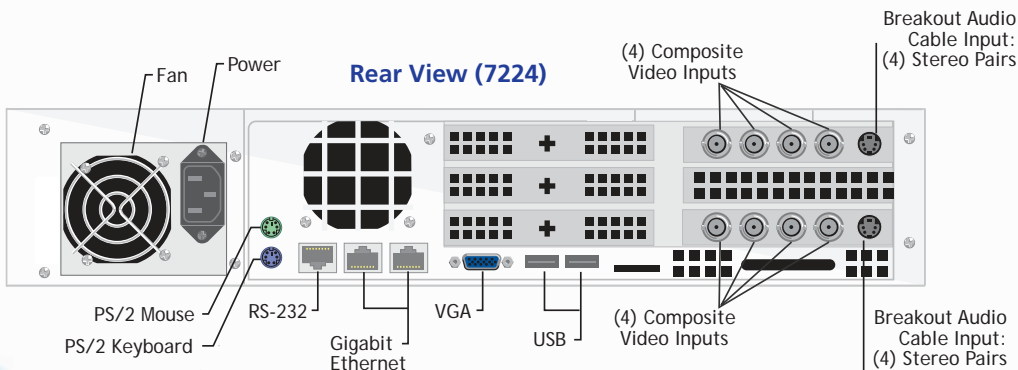
This powerful solution features two dual-core processors and 2 Osprey-440 video capture cards and has the capability to stream multiple full resolution and CIF resolution streams.

This high-density streaming system is designed for:

- Streaming of multiple traffic cameras for state and local governments
- Observation of surveillance cameras for security, military and law enforcement
- Mobile streaming service providers

With Osprey® SimulStream® software, the Niagara 7224 has the ability to output multiple streams in multiple formats at multiple bitrates for each input channel.

Supported encoding formats include Windows Media, RealVideo, and MPEG-4 for streaming and Adobe® Flash® and AVI for files. With the included Niagara SCX® Pro software, you will have the ability to monitor and control multiple systems remotely throughout an enterprise or across the Internet.



## SPECIFICATIONS

- Inputs (via 2 x Osprey-440 Capture Cards)
- 8 x Composite (BNC) Video Inputs (BNC to Composite 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 Processors, 2.33 GHz, 1333MHz Bus
- 2 x 250GB SATA Hard Drives
- 2 GB Memory (4 x 512MB), 533MHz
- 2 x 1Gbit Ethernet Ports
- DVD-RW Drive
- Niagara SCX Pro Software
- Osprey SimulStream Software
- Windows® XP Pro
- Streaming Video Formats:
  - Window Media
  - RealVideo
  - H.264 (MPEG-4 Part 10)
  - MPEG-4 Part 2
  - H.263

For more information on ViewCast products, visit [www.viewcast.com](http://www.viewcast.com).



The Leading Global Provider of High-Quality Audio and Video Communications Products



ViewCast Corporation | 3701 W. Plano Parkway, Suite 300 | Plano, Texas 75075-7840 | 972-488-7200 | 800-540-4119

		6100 Series		6200 Series		7224	GoStream	GoStream PLUS	Niagara Pro
Physical	Form Factor A/V Channels Weight Dimensions Category	Rack Mount 1 35 lbs. 1RUx19Wx20D Integrated System		Rack Mount 2 40 lbs. 2RUx19Wx24.5D Integrated System		Rack Mount 8 45 lbs. 2RUx19Wx24.5D Integrated System	Portable 1 8.5 lbs. 4.5Hx8Wx15.5D Appliance	Portable 1 8.5 lbs. 4.5Hx8Wx15.5D Appliance	Rack Mount 2 35 lbs. 2RUx19Wx23D Appliance
		6112	6116	6222	6226				
Video Input	Composite BNC Component BNC S-Video SDI Test Signal Feed BNC	1 1 1 1	1 1 1 1	2 2	2 2	8	1 1	1 1	2 2 2 1 (Channel switchable)
Video Monitoring	Composite RCA Composite BNC S-Video Mini-DIN Video Presence Indicator Built-in Video Monitoring Display		1 1		2 2		1	1	2 1 (Channel switchable)
Audio Input	Unbalanced RCA Unbalanced BNC Balanced XLR AES/EBU Embedded SDI	1 Pair 1 Pair	1 Pair 1 Pair 1 1	2 Pair 2 Pair	2 Pair 2 Pair 2 2	8 Pair	2 Pair 2 Pair	2 Pair 2 Pair	2 Pair 2 Pair 2 2
Audio Monitor Out	Stereo Headphone Jack (3.5 mm) Unbalanced Stereo Line Level (3.5 mm) Unbalanced Stereo Line Level (RCA)	1	1 Pair	2	2 Pair		1	1	1 (Channel switchable) 2 Pair
Video Formats	NTSC (M/M-J) PAL (B/D/G/H/I) SECAM (B/D/G/H/K/K1/L/L1)	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •
Video Preprocessing	Deinterlace Gamma Correction Tuning Utilities (Vectorscope/Waveform) Cropping Scaling Bitmap Overlay	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •
Audio Preprocessing	32, 44.1, 48kHz Sampling HW gain and attenuation	• •	• •	• •	• •	• •	• •	• •	• •
VBI	Closed Caption Extraction & Overlay Closed Caption to Text Output	• •	• •	• •	• •	• •	• •	• •	• •
Video Formats	Windows Media RealVideo Flash File (v6) AVI MPEG-4 Part 2 MPEG-4 Part 10 (H.264) H.263 Live Flash (On2 VP6)	• • • • Option Option Option	• • • • Option Option Option	• • • • Option Option Option	• • • • Option Option Option	• • • • • • •	• • • • • • • Option	• • • • • • • Option	• • • • • • • Option
Audio Formats	Windows Media RealAudio® AVI AMR Narrowband AAC	• • • Option Option	• • • Option Option	• • • Option Option	• • • Option Option	• • • • •	• • • • •	• • • • •	• • • • •
Streaming Video Formats	Windows Media RealVideo MPEG-4 Part 2 MPEG-4 Part 10 H.263 3GPP/3GPP2 Live Flash (On2 VP6)	• • Option Option Option Option	• • Option Option Option Option	• • Option Option Option Option	• • Option Option Option Option	• • • • • • •	• • • • • • • Option	• • • • • • • Option	• • • • • • • Option
Supported Resolution	Up to CIF Resolution Up to Full Resolution	• •	• •	• •	• •	• •	• •	• •	• •
Software Included	Niagara SCX Standard Niagara SCX Pro Niagara SCX Web Interface Osprey SimulStream	• Option •	• Option •	• Option •	• Option •	• • •	• • •	• • •	• • •
Power	AC +14VDC (battery power operation)	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
Compliance	FCC 47CFR Part 15 Class A CE Mark	• •	• •	• •	• •	• •	• •	• •	• •
LAN Ports	10/100 Ethernet Gigabit Ethernet	2	2	2	2	1 1	2	2	2

For more information on ViewCast products, visit [www.viewcast.com](http://www.viewcast.com).

ViewCast Corporation | 3701 W. Plano Parkway, Suite 300 | Plano, Texas 75075-7840 | 972-488-7200 | 800-540-4119

© 2008 ViewCast Corporation. ViewCast, Niagara, Osprey, SimulStream and Niagara SCX are registered trademarks of ViewCast Corporation or its subsidiaries. All other trademarks are the property of their respective owners. Product specifications and availability may change without notice. **Niagara7224-Flyer-013108-1pg**