## The Professional's Choice for Streaming Media.

**ViewCast is pleased to introduce the Niagara Pro II** – the next generation in professional-grade video streaming appliances. This encoder offers the most powerful processors and largest memory capacity of all the Niagara appliances, taking professional streaming to the next level. With its two independent channels, the Niagara Pro II allows you to capture SDI video and encode multiple full-resolution (D1) streams.

**The Niagara Pro series is** the preferred choice for broadcasters, studios, enterprise IT departments, CDNs and network service providers because it's loaded with the high-end features that professionals demand. The Niagara Pro II delivers powerful performance in a wide range of applications.

With this high-performance, multi-tasking encoder, you can capture, encode and stream video and audio media in a wide variety of popular formats.

**The Niagara Pro II includes** two of our most versatile software applications – Niagara SCX® Pro and SimulStream® – both pre-configured and ready to use.

**ViewCast's Niagara SCX Pro** software adds even more capabilities to this encoder. This innovative tool enables you to remotely set up, control and monitor multiple Niagara streaming encoders throughout an enterprise or over the Internet. You can also control multiple encoding formats from a single interface.

**With ViewCast's SimulStream** software enables you to create additional streams from the same sources in different formats – encoded independently and simultaneously. This powerful software enables you to stream in multiple resolutions, formats and bit rates – all at the same time.

### Ideal Solution for:

> Enterprises
> Broadcasters
> Content Delivery Networks

### Applications

> Webcasting
> Live streaming
> Podcasting
> Mobile TV

### Key Attributes

> Live Capture, encoding and streaming for professional grade digital video and audio delivery.
> Supports popular standards, including NTSC and PAL.
> Standard definition SDI video and AES/EBU digital audio capabilities.
> Dual channel, full-resolution (D1) video and audio streaming capabilities.
> Video confidence monitor.
> Front-panel LCD status display, control buttons and LED audio meters.
> Simultaneously streams multiple resolutions at multiple bit rates in multiple streaming formats, including H.264, Adobe® Flash® and Windows Media® (Silverlight™ compatible).
> Individually brand streams with bitmap overlays (e.g., logos and graphics).
> Niagara SCX® Pro software provides remote set up, control and monitoring of multiple Niagara systems.
> Front-panel "A-B-C" buttons activate one-touch, pre-programmable streaming profiles
> Self-contained unit - no mouse, monitor or keyboard required.

ViewCast

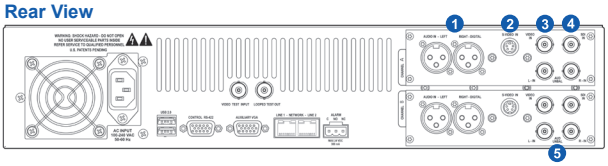
Next Generation Streaming Media Solutions

# *Niagara® Pro II*

## Streaming Media Appliance

### Front View

### Rear View



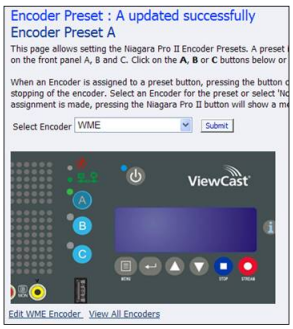

### Channel A & B AV Inputs

Each AV input channel provides the following input ports:

1. Left/right XLR connector for balanced audio sources; XLR connector for AES/EBU
2. Mini-DIN connector for S-Video source
3. BNC connector for composite video source
4. BNC connector for SDI video sources with embedded SDI audio
5. Left/right BNC connectors for unbalanced audio sources

### Niagara SCX Encoder Web Interface

For the Niagara Pro II appliance, ViewCast created the Niagara SCX Pro Encoder Configuration tool. All you need is Web browser access from your PC to control and configure any Niagara Pro II streaming media appliance.




This Web-based user interface allows you to browse to any Niagara Pro II on a LAN or WAN and manage the entire system configuration. Using the Web interface, you can:

- *Create, modify and delete encoder profiles*
- *Start and stop individual encoders*
- *Pre-configure and assign encoding profiles to "A-B-C" buttons*
- *View and manage encoder log files and entries*
- *Modify system network configuration settings (network name, IP configuration)*

### Encoding Formats

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

### Inputs:

Video:
- SDI
- *S-Video*
- Composite (*BNC, RCA adapter included*)

Audio:
- Embedded SDI Audio
- AES/EBU
- Balanced stereo (XLR)
- Unbalanced stereo (*BNC, RCA adapter included*)

### Connectivity:

USB Ports:
- 2 rear panel, 1 front panel

Ethernet:
- 2 x 1Gbit Ports

### Software:

- Niagara SCX Pro
- Niagara SCX Web Interface
- SimulStream

### Hardware:

- 8 cores (2 quad cores)
- Memory: 4GB

### Weight:

- 35 lbs (*15.9 Kgs*)

### Dimensions:

- 2U Rack Mount Appliance (2RU x 19" W x 23" D)

### Power:

- 400W Power Supply

### Hardware Warranty:

- 2 Year limited hardware warranty

RoHS compliant

Windows Media

Microsoft Silverlight

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**USA** | 3701 W. Plano Parkway, Suite 300 • Plano, Texas 75075-7840 • 972-488-7200 • 800-540-4119 **UK** | Worting House Church Lane • Basingstoke Hampshire RG23 8PX U.K. • +44 1256 345610

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