Niagara® Pro II

Streaming Media System

The professional's choice for streaming media.

The Niagara Pro II has powerful processors and large memory capacity, taking professional streaming to the next level. With two independent channels, the Niagara Pro II lets you capture SDI video and encode multiple full-resolution (D1) streams including live adaptive streaming to Apple® iPhone® and iPad® mobile digital devices.

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

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.

Niagara SCX management software lets you control all of its key features through an easy-to-use web interface. Niagara SCX will markedly improve the live streaming delivery workflow. By eliminating the need for an external stream segmenter, encoding workflows are simplified and overall system costs reduced.

Schedule and manage live video.
VMp Live, an event scheduling software module, is now available as an add-on component to the Niagara Pro II. *VMp* Live is an easy to use, cost-effective solution to schedule and manage your live video events.

Ideal Solutions

> Enterprise

> Broadcasters

> Content delivery networks

Applications

> Webcasting

> Podcasting

> Mobile TV

> Live streaming

Key Attributes

> Live capture, encoding and streaming for professional-grade digital video and audio delivery

> Dual channel, full-resolution (*D1*) video and audio streaming capabilities

> Video confidence monitor

> Front-panel LCD status display, control buttons and LED audio meters

> Niagara Pro II supports Adobe Flash® RTMP dynamic and Apple HTTP live (*iPhone and iPad mobile digital devices*), Microsoft Live IIS Smooth Streaming, Adobe Flash H.264, AVI, MPEG-4, H.264, H.263, and Microsoft® Windows Media® (*Silverlight*), as well as 3GPP/3GPP2, MP4 container support.

> Individually brand streams with bitmap overlays (*e.g., logos and graphics*)

> Niagara SCX® 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

Delivering Video Whenever, Wherever

ViewCast®

Niagara® Pro II
Streaming Media System

Niagara Pro II front view

Niagara Pro II 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 With Web Interface

The Niagara Pro II appliance is pre-configured with Niagara SCX remote management software. 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:
- Adobe® Flash dynamic streaming
- Adobe® Flash® H.264
- Apple® HTTP live streaming
- AVI capture to file
- Microsoft® Live IIS Smooth Streaming
- Microsoft® Windows Media® *(Silverlight®)* SD and HD
- MPEG-4, H.264, H.263
- MPEG-2 Transport Stream
- 3GPP/3GPP2, MP4 container support

Monitoring:
- Stereo audio headset *(3.5 mm)*
- Video presence indicator
- Audio level meter
- Front confidence monitor
- Composite video
- Unbalanced stereo audio

Inputs:

Video:
- SDI *(2 x BNC)*
- S-Video *(2 x mini-DIN)*
- Composite *(2 x BNC, RCA adapter included)*

Audio:
- Embedded SDI audio *(4 pair)*
- AES/EBU *(2 x XLR)*
- Balanced stereo *(4 x XLR)*
- Unbalanced stereo *(4 x BNC, RCA adapters included)*

Video Formats:
- NTSC/PAL/SMPTE 259M

Connectivity:

USB Ports:
- 2 rear panel, 1 front panel

Ethernet:
- 2 x 1 Gbit ports

Software:
- Niagara SCX® with web interface
- SimulStream®

Hardware:
- Multi-core processors
- 250 GB SATA HDD

Pre-processing:
- Scaling, cropping, de-interlacing, inverse telecine, closed-caption rendering

Weight:
- 35 lbs *(15.9 Kgs)*

Dimensions:
- 2U rack mount appliance *(2RU x 17" W x 23" D)* *(2RU x 43.18 cm W x 58.42 cm D)*

Power:
- 400 W power supply

Package Contents:
- Adapters, BNC terminator, rack slide rails, rack handles and rubber feet

Hardware Warranty:
- 1 year limited hardware warranty

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