

## Niagara® PowerStream™ Pro

The Niagara® PowerStream™ Pro is a video capture and streaming media encoder that gives the end-user a simpler and more flexible option for managing and distributing their video content.

Niagara PowerStream Pro is a streaming media encoder, the first of its class created by ViewCast. The product is a 2U, 2-channel, rack-mount encoder with user controls and status displays located on the front panel. The PowerStream Pro's appliance-like design provides ease of use and monitoring capabilities through its operations access front panel. This streaming media encoder is targeted at professional studios, broadcasters, cable headends, ISP's, and enterprise IT professionals. Applications for the Niagara PowerStream Pro are IP TV, webcasting, video archiving, video content creation and/or repurposing for web, business, and training.



## Niagara® PowerStream™ Pro

### Key Benefits

#### Flexibility:

- Output AVI, Flash, RealVideo, & Windows Media
- Removable rack mounts for desktop use

#### Simplicity:

- Console-less operation via front panel access controls
- Configure, connect, capture & stream in minutes

#### Durability:

- Hardened steel rack-mount chassis

#### Confidence:

- Encoder status monitoring via visual indicators on front panel
- Remotely configured, controlled, and monitored from any TCP-IP access point
- Automation/scheduling for unattended encoding

### General Specifications

- Dimensions - 2U 19" rack-mount (3.5"H x 19"W x 24"D)
- Power requirements - 115/240 VAC 50/60Hz

### Front Panel Features

Video Confidence Monitor - displays the video input

#### Video Confidence Monitor View Selection:

- A or B channel video input monitoring
- Auto-switching between A & B channel input view
- Test Signal Input - manual select (A/B channel) or auto-switch when channel input not detected

Monitor Headphone Jack & Volume (front panel)

Channel A/B Monitor Output Connectors (front panel)

Status Indicator Lights: Alarm - voltage out of range, temperature extremes; unexpected encoder stop; Fan Failure; Disk Activity; LAN 1/LAN 2 Activity

System Status Monitor (SSM) LED Display & Controls:

- Main front panel controls: System startup/shutdown, Alarm mute, A/V monitor mode
- Displays key system performance information: encoder name; encoder IP address; primary & secondary stream encoder IP addresses; OS version & service packs; CPU speed, utilization, & temperature; cooling fan performance; network status & performance; and NIC MAC addresses
- Can be paused/navigated via control buttons

### Rear Panel I/O Connectors

#### Audio Inputs (one set per channel):

- Left/Right XLR connectors for Balanced Audio
- Left/Right RCA connectors for Unbalanced Audio
- BNC connector for SDI includes Embedded SDI audio
- IEEE-1394 connector includes DV audio

#### Video Inputs (one set per channel):

- BNC connector for composite video
- Mini-DIN connector for S-Video
- BNC connector for SDI video
- IEEE-1394 connector for DV

#### Audio Monitoring Outputs (one set per channel):

- Left/Right RCA connectors for Unbalanced Audio

#### Video Monitoring Outputs (one set per channel):

- BNC connector for composite video
- Mini-DIN connector for S-Video

#### Additional Rear Panel Features

- (2) RJ-45 connectors - LAN 1 & LAN 2
- BNC connector for composite video IN/OUT (test signal)
- Alarm Relay connector
- USB 2.0 connectors