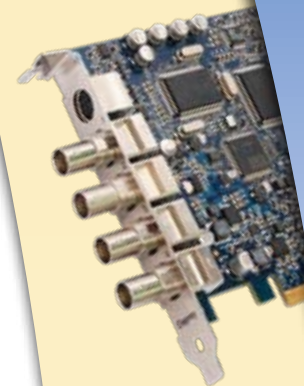




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## Solutions Overview



# ViewCast Solutions Overview

## Video Capture Cards

### Osprey® 240e

#### Key Attributes:

- Supports Wide Screen Signaling (WSS) flag for automatic 16:9 ratio capture
- Customized messaging superimposed on color bars upon loss of video signal
- Closed-caption extraction
- Hardware cropping and bitmap overlay



### Osprey® 450e

#### Key Attributes:

- Supports Wide Screen Signaling (WSS) flag for automatic 16:9 ratio capture
- Customized messaging superimposed on color bars upon loss of video signal
- Closed-caption extraction
- Hardware cropping and bitmap overlay
- A/V Option - component, Y/C (S-Video) and balanced audio with panels available



### Osprey® 530

#### Key Attributes:

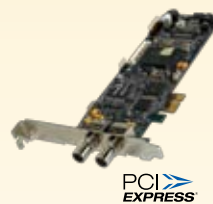
- Digital and analog video inputs
- Closed-caption extraction from analog and SDI inputs
- Hardware cropping and bitmap overlay
- SimulStream® ready



### Osprey® 700e HD

#### Key Attributes:

- Extraction of closed captioning and Teletext
- Wide Screen Signaling (WSS) flag for 16:9 ratio capture
- Customized messaging superimposed on color bars upon loss of video signal
- Switch On-The-Fly between HD and SD (Auto Re-Sync)
- Automatically sizes and scales incoming HD video to SD



#### Specifications:

- Video Input: composite (BNC), Y/C (2 x BNC), component (3 x BNC)
- Audio Input: balanced stereo (2 x XLR), unbalanced stereo (2 x RCA)
- Audio Output: unbalanced stereo line level (3.5mm)
- Low-Profile design board (includes low-profile bracket, not pictured)
- PCIe® (x1) – compatible with x1, x4, x8, and x16 PCIe slots
- Drivers available for Microsoft® Windows® operating systems

#### Specifications:

- Video Input: 4 composite (RCA)
- Audio Input: unbalanced stereo (RCA via included breakout cable)
- PCIe (x1) – compatible with x1, x4, x8, and x16 PCIe slots
- Drivers available for Microsoft Windows operating systems

#### Specifications:

- Video resolution: Selectable, up to full SD industry standards
- Video input: SDI, composite (BNC), S-Video
- Supports SMPTE SDI cable length up to 350m
- Audio input: balanced stereo (2 x XLR), unbalanced stereo (2 x RCA), embedded SDI, AES/EBU digital audio (XLR)
- Video output: composite (BNC), S-Video
- Audio output: unbalanced stereo line level (2 x RCA)
- 64-bit/66MHz PCI-X™ interface 32-bit/33MHz PCI™ compatible
- 3.3 V PCI 2.3 compliant
- Drivers available for Microsoft Windows operating systems

#### Specifications:

- Video/Audio Input: SDI
- Video Signal: SDI Standard Definition and High-Definition
- Audio Signal: embedded SDI audio (16 Channels or 8 Stereo Pair)
- Video Input Formats: HD 720p 60, HD 720p 59.94, HD 1080i 60, HD 1080i 59.94, HD 1080i 50
- PCIe (x1) – compatible with x1, x4, x8, and x16 PCIe slots
- Drivers available for Microsoft Windows operating systems

## Streaming Media Appliances & Encoders

### Niagara® Pro II

#### Key Attributes:

- Captures, encodes, streams and archives professional-grade digital video and audio
- Simultaneously streams multiple resolutions at multiple bit rates, in multiple streaming formats, including MPEG-4 and Adobe® Flash® Live
- Individually customized streams with bitmap overlays (logos/graphics) and closed-captioning
- Single interface provides set up, control and monitoring of multiple streaming encoders
- Self-contained unit – no mouse, monitor or keyboard required
- Built-in, front-panel LCD confidence monitor, control buttons and audio signal level bar graphs



### Niagara® SURF

#### Key Attributes:

- Full portability and mobility that can be used anywhere an IP network is available
- Advanced setup and profiles allow users to customize and save the configurations
- EASE Menus allow basic encode/setup from the front panel interface
- USB ports allow easy installation of software upgrades, encoding profiles, and transfer of archived files



### Niagara® 8224

#### Key Attributes:

- High-density encoding with 8 fully independent channels per system
- Captures, encodes, streams and archives video and audio content from separate, analog A/V sources
- Each channel can be configured independently to customize delivery formats, sizing and bit rates
- Remote control and management
- Enables customized streams with bitmap overlays (e.g., logos, graphics)
- Low-cost per channel



### Niagara® 2100

#### Key Attributes:

- Professional-quality streaming of video and audio
- Easy to use Web interface for system control and management
- One-button activation of one or more pre-programmed streaming profiles
- Powerful, compact self-contained unit for rack mount or on-location applications
- Simultaneously streams multiple resolutions at multiple bit rates in Window Media (Silverlight compatible)
- Front panel control, video confidence indicator, audio levels and alarms



#### Specifications:

- Dual channel, full-resolution video and audio streaming capabilities
- Video Input: SDI, S-Video, composite
- Audio Input: unbalanced stereo (2 x BNC), balanced stereo (2 x XLR), SDI embedded, AES/EBU
- 3 USB ports and 2 Ethernet (1Gb)
- Video encoding formats supported: Adobe Flash Live, MPEG-4, Windows Media® (Silverlight™ compatible) and RealVideo®
- Client management software (Niagara SCX® Pro) and Web-based software (Niagara SCX Web interface tool)

#### Specifications:

- Video Input: component (BNC), composite (BNC connector and includes an RCA adapter), Y/C (S-Video) (BNC)
- Audio Input: unbalanced stereo (2 x RCA), balanced stereo (2 x XLR)
- 2 USB ports (1 front, 1 rear), 2 Ethernet (1Gb)
- Video encoding formats supported: Adobe Flash Live, MPEG-4, Windows Media (Silverlight compatible) and RealVideo
- Includes client management software and Web-based encoder configuration

#### Specifications:

- 8-channel, full-resolution video and audio streaming capabilities
- Video Input: composite (BNC) - Optional: component, Y/C or 3 additional composite per channel
- Audio Input: unbalanced stereo audio (RCA) - Optional: balanced stereo audio (XLR)
- 2 USB and 2 Ethernet ports (1GB)
- Streaming video encoding formats supported: MPEG-4, H.264, Windows Media (Silverlight compatible), RealVideo and 3GPP/3GPP2 container formats for MPEG-4
- Client management software (Niagara SCX Pro)

#### Specifications:

- Single channel full-resolution video and audio streaming capabilities
- Video Input: component (3 x BNC), Y/C (S-Video) (2 x BNC) and composite (BNC)
- Audio Input: balanced stereo (2 x XLR) audio, unbalanced stereo (2 x RCA) audio
- 2 USB ports (1 front, 1 rear), 2 Ethernet (1Gb)
- Video encoding format: Windows Media (Silverlight compatible)
- Client management software (Niagara SCX and Niagara SCX Web interface tool)

## Management Control Software



### Niagara SCX®

Go beyond the ordinary world of audio/video media encoding. ViewCast Niagara SCX takes you to the limits of your imagination.

This streaming media management software is a great way to manage live video broadcasting over the Internet and to mobile devices. It enables you to set up and control Niagara streaming encoders positioned throughout your enterprise or anywhere in the world – all from your desktop.

#### Key Attributes:

##### File Formats

- Uncompressed AVI
- Adobe Flash
- MPEG-4, Part 2
- H.263
- H.264
- RealVideo
- Windows Media (Silverlight compatible)

##### Streaming Formats

- MPEG-4, Part 2
- H.263
- H.264 (MPEG-4, Part 10)
- RealVideo
- Windows Media (Silverlight compatible)

##### Container Formats

- 3GPP and 3GPP2

### SimulStream®

Designed to provide the optimal experience of a streamlined workflow, SimulStream provides the ability to deliver multiple streams at multiple bit rates from a single video source.

This is a premium software enhancement available for Osprey capture cards and is standard on Niagara appliances and systems.

#### Key Attributes:

- Real-time optimized streams for a diverse Internet audience
- Maximum efficiency without sacrificing quality
- Efficient utilization of multi-core processors
- Maximum stream density for Internet production
- Reduced hardware costs

Visit [viewcast.com](http://viewcast.com) to learn more about all of our innovative streaming solutions.