ViewCast®

Next Generation Streaming Media Solutions

Niagara® 6000 Series
Streaming Encoders

Ideal Users and Applications

- **ENTERPRISES**
  For webcasting and online training

- **BROADCASTERS**
  For live streaming, mobile TV and video-on-demand

- **GOVERNMENT**
  For Federal, State or Municipal productions, such as open meetings

- **CONTENT DELIVERY NETWORKS**
  For content management applications, such as save-to-file, archive and search

Key Attributes

- Captures, encodes, streams and archives video and audio content from analog or (optionally) digital sources.

- Analog-only models provide encoding functionality on a smaller budget

- Generates a wide variety of encoding and streaming formats at the same time

- Sizes and scales multiple streams at various bit rates – all simultaneously

- Enables customized streams with bitmap overlays (e.g., logos, graphics) and closed-caption pre-rendering

- Single interface provides set up, control and monitoring of multiple streaming systems

- Product series offers single or dual channel inputs

Niagara® 6100 and Niagara® 6200 Series
Multi-Channel Streaming and Archiving on a Budget

The ViewCast Niagara® 6100 and 6200 series are pre-configured, plug-and-play, standard-definition (SD) media encoders designed and optimized to capture, encode, stream and archive premium quality audio and video. These powerful systems are the ideal choice for:

- *Capturing and encoding live video for streaming to the Internet and to mobile devices*
- *Capturing live video for Video-on-Demand (VOD) applications*
- *Capturing and compressing video for digital media archiving*
- *Re-purposing video from tape-based video archives for Internet and intranet distribution*

The Niagara 6100 and Niagara 6200 family are the smart choice for studios, broadcasters, government agencies, CDN providers, and enterprise IT professionals.

The single-channel Niagara 6112 2U analog media encoder is the perfect starting point for budget-sensitive capture applications. Need a second channel? The Niagara 6222 gives you two independent analog inputs with plenty of power for your most demanding applications.

The Niagara 6116 and Niagara 6226 feature the same analog inputs as the Niagara 6222, plus one or two additional Serial Digital Interface (SDI) and Digital AES / EBU Audio inputs. These systems accept all popular worldwide video and audio standards.

All ViewCast Niagara systems include two of our most versatile software applications – Niagara SCX® and Osprey® SimulStream® – both pre-configured and ready to use. These award-winning tools empower you to set up, control and monitor multiple Niagara streaming systems throughout an enterprise or over the Internet, using a single, easy-to-use interface.

Capture, encode, stream and archive video in a wide variety of popular encoding and streaming formats, including:

- *Uncompressed AVI capture to file*
- *Adobe Flash® capture to file*
- *Microsoft Windows Media® (Silverlight™ compatible)*
- *RealVideo® streaming and capture to file*

Niagara SCX, together with Osprey Simul-Stream, enables you to create multiple streams in different formats simultaneously, giving you the flexibility to create exactly the right content for your various audiences. This means you can encode different streams for intranet users, high-speed Internet users, dial-up users, and viewers on mobile devices – all at the same time!

You can size and scale each individual stream, and customize each stream with bitmap overlays (e.g., logos), closed-caption pre-rendering, etc. No other media encoder on the market today offers this level of flexibility and convenience – another reason ViewCast is a global leader in the industry.

Upgrade to Niagara SCX Pro and add MPEG-4 streaming and capture-to-file capabilities to deliver content to the latest Internet-enabled video devices, as well as a wide array of mobile devices.

Niagara® 6000 Series

Powerful Streaming Encoders

Niagara® 6000 Series
Streaming Encoders

Niagara 6000 Series Streaming Encoders

Niagara 6112   Niagara 6222

Niagara 6116   Niagara 6226

Niagara 6226

6100 System Configuration:

- 1U Rack Mount Encoder (1.7" H x 19" W x 20" D)
- 1 Dual-Core Xeon Processors
- 1 250GB SATA Hard Drives
- 1 GB Memory (2 x 512MB), 667MHz
- 350W Power Supply
- 2 x 1Gbit Ethernet Ports
- CD Drive

6200 System Configuration:

- 2U Rack Mount Encoder (3.5" H x 19" W x 24" D)
- 2 x Dual-Core Xeon Processors
- 2 x 250GB SATA Hard Drives
- 1 GB Memory (2 x 512MB), 667MHz
- 300W Power Supply
- 2 x 1Gbit Ethernet Ports
- DVD-RW Drive

Software Includes:
- Niagara SCX Standard – Remote encoder management and control software for monitoring and control of multiple, remote or distributed streaming encoders throughout an enterprise or across the Internet.
- Osprey SimulStream – Supports multiple, con current streams of Microsoft® Windows Media (Silverlight compatible) and RealNetworks® RealVideo at multiple bit rates from a single video source.
- Microsoft Windows XP Professional

	Analog Systems	Digital & Analog Systems
Single-Channel Inputs	**6112:** • Component • Y/C • Composite BNC Video • Balanced XLR Stereo Audio • Unbalanced RCA Stereo Audio	**6116:** • SD-SDI • S-Video • Composite BNC Video • Embedded SDI Audio • Balanced XLR Stereo Audio • Unbalanced RCA Stereo Audio • AES/EBU
Dual-Channel Inputs	**6222:** • (2) Composite BNC Video • (2) S-Video • (2 Pair) Balanced XLR Stereo Audio • (2 Pair) Unbalanced RCA Stereo Audio	**6226:** • (2) SDI • (2) S-Video • (2) Composite BNC Video • (2) Embedded SDI Audio • (2 Pair) Balanced XLR Stereo Audio • (2) AES/EBU

ViewCast®
www.viewcast.com

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