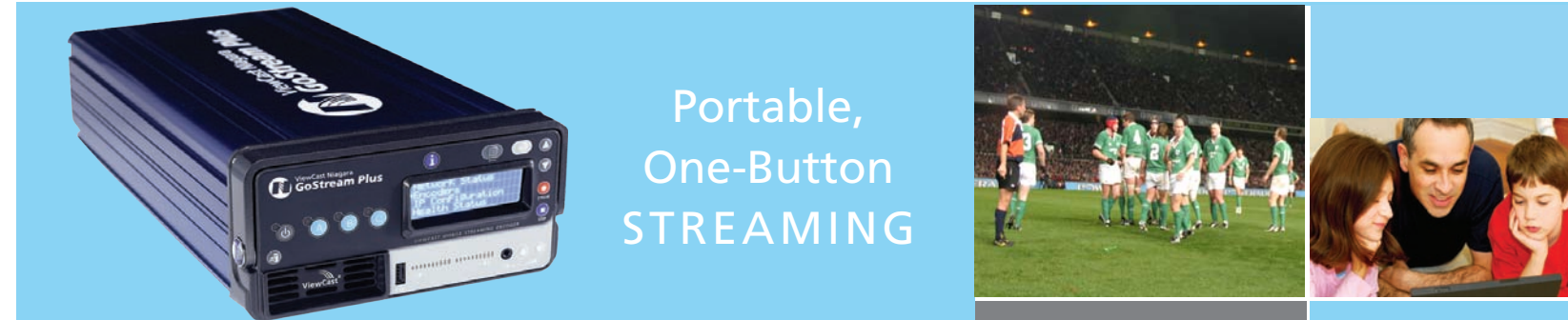


Niagara Product Comparison Chart

www.viewcast.com | 3701 W. Plano Parkway, Suite 300 | Plano, Texas 75075-7840 | 972-488-7200 | 800-540-4119

Physical	Form Factor A/V Channels Weight Dimensions Category	6100 Series		6200 Series		7224	GoStream	GoStream PLUS	Niagara Pro
		Rack Mount 1 35 lbs. 1RUx19Wx20D	6116	Rack Mount 2 40 lbs. 2RUx19Wx24.5D	6222	6226	Rack Mount 8 45 lbs. 2RUx19Wx24.5D	Portable 1 8.5 lbs. 4.5Hx8Wx15.5D Appliance	Portable 1 8.5 lbs. 4.5Hx8Wx15.5D Appliance
Video Input	Composite BNC Component BNC S-Video SDI Test Signal Feed BNC	1 1 1 1	1 1	2 2	2 2	8	1 1	1 1	2 2 2 1 (Channel switchable)
Video Monitoring	Composite RCA Composite BNC S-Video Mini-DIN Video Presence Indicator Built-in Video Monitoring Display		1 1		2 2		1 1		2 1 (Channel switchable)
Audio Input	Unbalanced RCA Unbalanced BNC Balanced XLR AES/EBU Embedded SDI	1 Pair 1 Pair	1 Pair 1	2 Pair 2 Pair	2 Pair 2	8 Pair	2 Pair 2 Pair	2 Pair 2 Pair	2 Pair 2 Pair 2 2
Audio Monitor Out	Stereo Headphone Jack (3.5 mm) Unbalanced Stereo Line Level (3.5 mm) Unbalanced Stereo Line Level (RCA)	1	1 Pair	2	2 Pair		1	1	1 (Channel switchable) 2 Pair
Video Formats	NTSC (M/M-I) PAL (B/D/G/H/I) SECAM (B/D/G/H/K/K1/L/L1)	• • •		• • •		• • •	• • •	• • •	• • •
Video Preprocessing	Deinterlace Gamma Correction Tuning Utilities (Vectorscope/Waveform) Cropping Scaling Bitmap Overlay	• • • • • •		• • • • • •		• • • • • •	• • • • • •	• • • • • •	• • • • • •
Audio Preprocessing	32, 44.1, 48kHz Sampling HW gain and attenuation	• •		• •		• •	• •	• •	• •
VBI	Closed Caption Extraction & Overlay Closed Caption to Text Output	• •		• •		• •	• •	• •	• •
Video Formats	Windows Media RealVideo Flash File (v6) AVI MPEG-4 Part 2 MPEG-4 Part 10 (H.264) H.263 Live Flash (On2 VP6)	• • • • Option Option Option		• • • • Option Option Option		• • • • • • •	• • • • • • Option	• • • • • • Option	• • • • • • Option
Audio Formats	Windows Media RealAudio® AVI AMR Narrowband AAC	• • • Option Option		• • • Option Option		• • • • •	• • • • •	• • • • •	• • • • •
Streaming Video Formats	Windows Media RealVideo MPEG-4 Part 2 MPEG-4 Part 10 H.263 3GPP/3GPP2 Live Flash (On2 VP6)	• • Option Option Option Option		• • Option Option Option Option		• • • • • • •	• • • • • • Option	• • • • • • Option	• • • • • • Option
Supported Resolution	Up to CIF Resolution Up to Full Resolution	• •		• •		• •	• •	• •	• •
Software Included	Niagara SCX Standard Niagara SCX Pro Niagara SCX Web Interface Osprey SimulStream	• • Option •		• • Option •		• • • •	• • • •	• • • •	• • • •
Power	AC +14VDC (battery power operation)	100-240 VAC		100-240 VAC		100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
Compliance	FCC 47CFR Part 15 Class A CE Mark	• •		• •		• •	• •	• •	• •
LAN Ports	10/100 Ethernet Gigabit Ethernet	2		2		2	1 1	2	2



VIEWCAST NIAGARA STREAMING MEDIA ENCODER SYSTEMS

INTERNET VIDEO | LIVE STREAMING | INTERNET TV BROADCASTING

The time for a Niagara® GoStream® or Niagara GoStream Plus is today! Don't wait any longer to experience the value of adding streaming media to your communications applications. Streaming media is a win-win application, offering efficient and cost-effective communications that will allow you to distribute your message everywhere.

Case in point: In today's market, Internet TV is growing at an exponential rate, although many potential content creators do not have broadcasting or streaming media experience. GoStream makes Internet video streaming accessible to virtually everyone.

The first of their kind, the Niagara GoStream and GoStream Plus are portable encoders that truly make capturing and streaming video uncomplicated. These single channel encoders are designed for the most novice of users. Both feature EZStream® buttons, which allow users to select from pre-defined encoding profiles.

With its portable, streamlined chassis design, intuitive front panel, and EASE control menus, streaming set-up is quick and easy. Just press "A", "B" or "C" and "Stream" and you'll be "on the air" in just seconds.

Both models include ViewCast's exclusive Niagara SCX® Pro, so you can encode your video in all popular formats (see sidebar). With three user interfaces for configuring and managing your system, LCD menu, web interface and Niagara SCX Explorer - you can control and monitor one or a worldwide array of GoStreams. Mix and match with other Niagara models for exactly the right streaming media experience.

FEATURES

- Extreme portability - Plug it in anywhere you have power. Runs on standard Anton/Bauer® battery packs and accessories, too!
- Advanced setup and profiles allow experienced users to customize the configurations
- EASE Menus allow basic encode/setup from the front panel interface
- USB ports allow easy installation of software upgrades, encoding of profiles, and transfer of archive files
- Client management software and Web-based encoder configuration is included

SPECIFICATIONS

- Video Input: Composite (BNC connector with RCA adapter), S-Video
- Audio Input: Unbalanced stereo (2 x RCA), Balanced stereo (2 x XLR)
- 2 USB ports (one on the front panel and one on the rear panel)
- 2 Ethernet network ports
- Video encoding formats supported: Windows Media®, RealVideo®, Adobe® Flash®, MPEG-4 with 3GPP/3GP2 container support, Live Flash (optional)
- 14 VDC input for battery connectivity (Anton/Bauer Digital Dionic 90 recommended)

For more information on ViewCast products, visit [www.viewcast.com](http://www.viewcast.com).

ViewCast Corporation | 3701 W. Plano Parkway, Suite 300 | Plano, Texas 75075-7840 | 972-488-7200 | 800-540-4119



GoStream and GoStream Plus - Portable Streaming Encoder Appliances



Pre-defined encoder options allow streaming to begin with the push of a button.

**EZStream**

User predefined encoder profiles allow customization of GoStream for unique streaming encoding requirements.

- A. A/B/C Preset Encoder Start Buttons
- B. One-click Streaming
- C. Live Audio Monitor
- D. Video Sync Indicator

**Easy Exporting of Captured Files**

GoStream allows users to export files to storage devices and view video on a handheld devices such as Apple® iPods® and Creative® Zen™ video players.



- H. Export to Apple iPod / Creative Zen with optional accessory kit
- I. View video on handheld players
- J. Download and install system software updates and upgrades

Connect directly to handheld devices like iPod for direct video viewing.

**Variety of Audio/Video Inputs**

The rear panel of GoStream enables seamless integration with your pro A/V equipment.

- K. Single-channel video capture
- L. Mobile docking port for easy install/remove from optional Dual Mount
- M. Dual LAN ports for simultaneous streaming and file transfer



The GoStream rear panel contains multiple AV input options.

**Optional Accessories**

GoStream and GoStream Plus offer extreme portability and flexibility. But, when they're not on the road, slide them into the new GoStream Dual Mount, which installs in any standard 19" equipment rack.

GoStream creates live streams in a variety of formats, and can be configured to save encoded content in these same formats to local or networked mass storage devices. Two built-in network ports give you complete flexibility to configure your external storage and video post-processing options.



The optional Dual Mount makes it easy to rack-mount two GoStream units side-by-side.

**EASE Menu System**

The GoStream exposes a complete set of controls for local management and operation. Stream and encode with EASE.

- E. Real-time control of multiple encoder sessions
- F. Real-time feedback on system performance
- G. Direct-access for system configuration



The EASE menu system provides an intuitive, easy-to-use control menu that allows users to manage system performance and configuration.

Niagara GoStream and GoStream Plus include everything you need to make a complete streaming solution. Powerful configuration, control, management and monitoring tools include Niagara SCX Pro, Niagara SCX Web Interface and Osprey SimulStream.

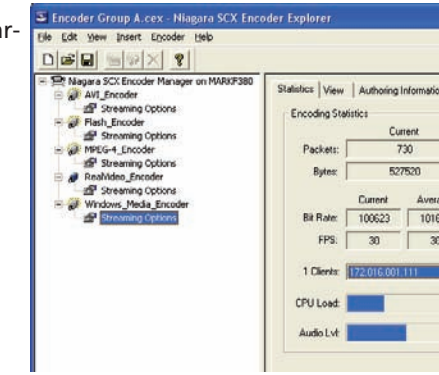
**Encoder Management & Monitoring Software - Niagara SCX Pro**

Niagara SCX Pro is ViewCast's encoder management and monitoring software. Niagara SCX provides full access so you can view and set encoding parameters, start, and stop the encoding process, and receive notification of identified error conditions.

Niagara SCX Pro is extremely flexible, particularly in applications involving live broadcasting where immediate changes and tweaks are required. Niagara SCX Pro excels in providing the required controls to ensure optimum streaming video quality.

Niagara SCX Pro also provides control of:

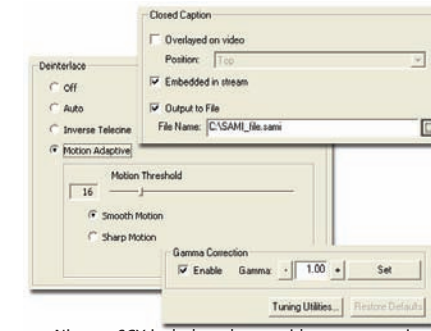
- System CODEC and profile selection
- Windows Media, RealVideo, Flash, MPEG-4, and AVI
- Modification of capture resolution and attributes
- Adjustment of video pre-processing filters such as de-interlacing
- Adjustment of video resolution through scaling while minimizing CPU load
- Branding and protecting video content through logo overlay
- Enabling and disabling Osprey® SimulStream®



Niagara SCX Encoder nested view allows you to easily see all encoders on the network and their current status.

Video format outputs:

- Windows Media 7, 8, 9
- MPEG-4 Part 2, Simple/Advanced Simple Profiles
- H.263 Simple/Advanced Simple Profiles
- H.264 (MPEG-4 Part 10) Baseline Profile
- 3GPP/3GPP2 Container Formats
- RealVideo 9, 10
- Adobe® Flash® (File only)
- Adobe Flash Live (optional)
- Audio Video Interleaved (AVI) (File only)



Niagara SCX includes advance video preprocessing control and Closed Caption overlay, embedding or output to file.

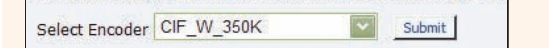
**Encoder Configuration Tool Niagara SCX Web Interface**

For custom configuration of the Niagara GoStream system settings, ViewCast created the included Niagara SCX Web Interface tool. This tool does not require you to install special software on any other PC. You only need a Web browser on any PC running any operating system, and you can control and configure any Niagara streaming media appliance.

**Encoder Preset : A updated successfully Encoder Preset A**

This page allows setting the GoStream Encoder Presets. A preset the front panel A, B and C. Click on the A, B or C buttons below

When an Encoder is assigned to a preset button, pressing the button the encoder. Select an Encoder for the preset or select 'None' if made, pressing the GoStream button will show a message reminding



This Web-based user interface allows you to browse to any Niagara GoStream, GoStream Plus or Niagara Pro on a LAN or WAN network and manage the entire system configuration, including:

- Create, modify, and delete encoder profiles
- Start and stop individual encoders
- Pre-configure and assign ABC EZStream buttons
- View and manage encoder log files and entries
- Modify system network configuration settings (network name, IP configuration)
- Configure email settings for alerts

**Osprey SimulStream**

Designed to provide the optimal experience of a streamlined workflow, Osprey SimulStream provides the ability to deliver multiple streams at multiple bitrates from a single video source. Osprey SimulStream is a premium software enhancement to the Niagara systems to extend the capabilities of a single channel audio and video capture.

Osprey SimulStream Features:

- Optimized streams for a diverse Internet audience — all streaming in real-time
- Maximum efficiency without sacrificing quality
- Complete utilization of multi-core processors
- Maximum channel density for streaming production
- Reduced hardware costs