

# Niagara SCX<sup>®</sup> Standard and Pro

Remote Management Software



## Video Streaming Control and Management

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<sup>®</sup> streaming systems positioned throughout your enterprise or anywhere in the world – all from your desktop.

You can instantly see the status of all of your networked encoders, see which ones have active encode sessions, and drill down to control and monitor each individual stream.

**Versatile Niagara SCX line of software.** Provides a single, unified user experience for all of its included streaming codecs. One simple, intuitive interface makes the job a breeze with an unprecedented level of local or remote control.

Two versions are available to meet differing needs. Niagara SCX Standard includes everything you need to harness the power of your Osprey<sup>®</sup> video capture card(s) and create rich media content in Windows Media<sup>®</sup> and RealVideo<sup>®</sup> formats.

**Niagara SCX Pro empowers you.** Reach out to the hottest video players and mobile devices with the latest high-performance codecs that encode in numerous popular formats, including MPEG-4 and 3GPP. Niagara SCX Pro comes pre-installed on the Niagara<sup>®</sup> 7500, Niagara<sup>®</sup> Pro II, Niagara<sup>®</sup> 8224, and Niagara GoStream<sup>®</sup> SURF encoding appliances.

Want more control options? Check out ViewCast Niagara SCX SDK. This SDK empowers you to create your own unique user experiences, or add the power and convenience of Niagara SCX to your existing application.

**Like no other.** The Niagara SCX streaming management tool gives you a high level of flexibility and convenience. When it comes to streaming, you can never have too much control or too many options – we put YOU in control.

### Ideal Solution for:

- > Broadcasters Corporations
- > Enterprise
- > Government
- > Network Service Providers
- > Content Delivery Networks

### Applications

- > Webcasting
- > Live streaming
- > Podcasting
- > Mobile TV
- > Video-on-demand

### Key Attributes

- > Enables capturing, encoding, streaming and archiving of digital video and audio content
- > Niagara SCX Pro includes MPEG-4, Windows Media<sup>®</sup> and RealVideo<sup>®</sup> streaming and file formats, and Flash File.
- > Working seamlessly with Osprey drivers, enables customized streams with bitmap overlays (e.g., logos, graphics) and closed-caption pre-rendering
- > Enables set up, control and monitoring of multiple streaming systems across an enterprise or over the Internet

### Sample Niagara SCX Screen Interface



**ViewCast<sup>®</sup>**

Next Generation Streaming Media Solutions

## Niagara SCX® Standard and Pro Comparison Chart

### Remote Management Software

		Niagara SCX Standard	Niagara SCX Pro
Video CODEC	AVI (file only) Flash (v6) (file only) RealVideo (v9, v10) Windows Media (v7, v8, v9) (Silverlight™ compatible) MPEG-4, Part 2 MPEG-4, Part 10 (H.264) H.263	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>
Audio CODEC	AVI (file only) Flash (v6) (file only) RealAudio® Windows Media (Silverlight™ compatible) AAC AMR-NB	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>
Output Format Containers	3GPP 3GPP2		<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
Monitoring & Reporting	Video Preview A/V Decode View CODEC Statistics Visual Encoder Active View System Health Event Logging (Web I/O) Email Alert of Critical Events (Web I/O)	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul> Appliance Hardware Appliance Hardware
Video Input Settings	NTSC (M/M-J) PAL (B/D/G/H/I) SECAM (B/D/G/H/K/L/L1) Brightness, Contrast, Saturation, Hue Proportions (CCIR601/Standard) Standard/Custom Video Resolutions Color Space Conversion File Input/Transcode Vectorscope/Waveform Tuning Utility	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>
Video Preprocessing	Video Cropping Video Scaling Watermarking/Logo Overlay Gamma Correction Deinterlacing *SimulStream Enable & Controls	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> <li>•</li> </ul>
Audio Input Settings	Sample Rate Conversion Right/Left Volume/Mute Control	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
VBI	Caption Extraction & Embedded in Stream Closed Caption to Text	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>

\*Evaluation mode - license required for production mode.

SCX Stanard available as stand alone. SCX Pro only available on Niagara System.