

# Niagara SCX<sup>®</sup>

Video Streaming Software

## Video streaming control and management.

The latest version of Niagara SCX<sup>®</sup> management software includes additional audio format and bit rate support that provides stereo capability for adaptive streaming. Now you can achieve better quality audio at lower bandwidths. Version 7.3 also includes the capability to turn on transcoding remotely, which means once a system has been purchased or upgraded to Niagara SCX v7.3, transcoding can be activated remotely for that system.

### Deliver video anytime, anywhere.

Niagara SCX will markedly improve the live streaming experience for all users. Niagara SCX enables multiple streams and multiple streaming formats in one application eliminating the hassle and costs of multiple applications and multiple instances.

### Additional controls.

Plus, the ViewCast Niagara SCX software development kit (SDK) provides additional controls. Niagara SCX SDK empowers you to create your own unique user experiences by integrating your own applications and workflows.

### Like no other.

Niagara SCX gives you an unprecedented level of local or remote control. View the captured video on-the-fly, check and adjust key audio and video settings, select A/V inputs and configure profiles that determine capture size, frame rate, data bit rate speeds and CPU loads.

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.

*(Niagara SCX features vary between Niagara models.)*

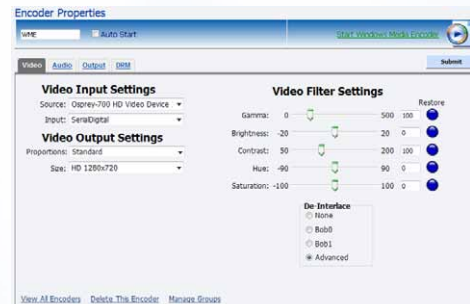
#### Ideal Solutions

- > Broadcasters
- > Government
- > Content delivery networks
- > Network service providers
- > Enterprise
- > Education

#### Key Attributes

- > Enables capturing, encoding, streaming and archiving of digital video and audio content
- > Works 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 User Interface



# NIAGARA SCX® Features Comparison Chart

## Video Streaming Software

All Niagara systems include the basic features of Niagara SCX® management software. The advanced Niagara SCX features vary between Niagara models. Refer to the tables below for the features available on each system.

Niagara system	V 7.3	V 7.2	V 7.1
GoStream	•		
Niagara 9100-4D		•	
Niagara 9100-2D/2De		•	
Niagara 9100-8A		•	
Niagara 9100-4A		•	
Niagara 9100-4AV		•	
Niagara 9100-2IP		•	
Niagara 7550			•
Niagara Pro II			•
Niagara 4100		•	
Niagara GoStream® SURF*			•
Niagara 2200*			•

\*Adaptive formats not included

### Advanced features

- Version 7.3**
  - > Audio enhancements that provides stereo capability for adaptive streaming
  - > Remote activation of transcoding
- Version 7.2**
  - > SD and HD CEA 608/708 embedded closed caption overlay only for HLS, Flash Adaptive, Flash, and MPEG2 TS streams
  - > SD and HD CEA 608/708 overlay closed caption is available for all encoder types
  - > SNMP V2 - Update, create and delete encoders and encoder groups
- Version 7.1**
  - > Full support for Akamai
  - > Transcoding (Niagara 9100-2IP only)
  - > AT&T Uverse PEG profiles
  - > HE AAC v1/HE AAC v2 audio
  - > Product registration via Web UI
  - > MPEG2 Transport Stream
  - > MP2 audio codec with MPEG2 video codec
  - > SNMP V1 - Start, stop encoders and query encoder status
  - > IP routing
  - > All adaptive formats

### Adaptive formats

Niagara SCX supports popular encoding formats including the following adaptive formats (not available on every Niagara system):

- > Apple® HTTP live streaming
- > Adobe® Flash dynamic streaming
- > Microsoft® Live IIS Smooth Stream

Basic features	Video	Video Codecs	Audio Codecs	Output Format Containers
<b>Monitoring &amp; Reporting</b>	<b>Pre-Processing</b>	> AVI (file only)	> AVI (file only)	> 3GPP/3GPP2, MP4
> Video Preview	> Video Cropping*	> Microsoft® Windows Media® (V7, V8, V9)	> Microsoft® Windows Media® (V7, V8, V9)	> Adobe® Flash®
> A/V Decode View	> Video Scaling	> MPEG-4, Part 2	> AAC	> MPEG2 Transport Stream (SCX 7+)
> CODEC Statistics	> Watermarking/Logo Overlay*	> MPEG-4, Part 10 (H.264)	> MP2 (MPEG2 only)	> Microsoft® Windows Media® (V7, V8, V9)
> Visual Encoder Active View	> Gamma Correction	> H.263	> HE-AAC, V1 & V2	
> System Health	> Deinterlacing	> Event Logging (Web I/O)		
> Event Logging (Web I/O)	> SimulStream® Enable & Controls	> MPEG 2		
> Email Alert of Critical Events (Web I/O)	> Closed captioned support			

\* Not available on the Niagara 9100-2IP model.



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