

Niagara® SCX®

Remote Management Software

Video streaming control and management.

Niagara SCX streaming media management software is a great way to manage live video broadcasting over IP and mobile networks including live adaptive streaming to Apple® iPhone® and iPad® mobile digital devices. The latest version of Niagara SCX introduces IP transcoder, MPEG-2 transport system, and Simple Network Management Protocol (SNMP).

Deliver video anytime, anywhere.

Niagara SCX will markedly improve the live streaming delivery experience for both broadcasters and iPhone users. By eliminating the need for an external stream segmenter, encoding workflows are simplified and overall system costs reduced.

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.)

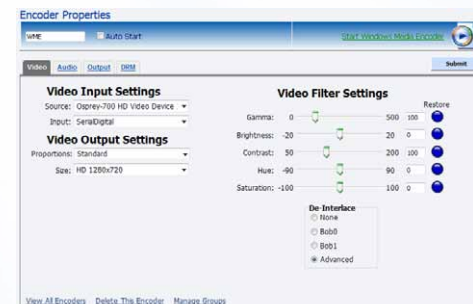
Ideal Solutions

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

Key Attributes

- > Enables capturing, encoding, streaming and archiving of digital video and audio content
- > Niagara SCX support Adobe® Flash® dynamic and Apple HTTP live (*iPhone and iPad mobile digital devices*), Microsoft Live IIS Smooth Streaming, Adobe Flash H.264, MPEG-4, H.264, H.263, and Microsoft Windows Media® (*Silverlight®*), as well as 3GPP/3Gpp2, MP4 container support
- > 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

Remote Management Software

Products	Niagara	2100	2120	SURF	4100	Pro II	7550	9100
Video CODEC	Apple® HTTP live streaming				•	•	•	•
	Adobe® Flash® dynamic streamin							
	Microsoft® Live IIS Smooth Streaming				•		•	•
	AVI (file only)			•		•		•
	Adobe® Flash® H.264		•	•	•	•	•	•
	*Microsoft® Windows Media® (v7, v8, v9)	•		•	•	•	•	•
	MPEG-4, Part 2			•	•	•	•	•
Audio CODEC	MPEG-4, Part 10 (H.264)			•	•	•	•	•
	H.263			•	•	•	•	•
	AVI (file only)			•		•		•
Output Format Containers	* Microsoft® Windows Media®	•		•	•	•	•	•
	AAC			•	•	•	•	•
Current Niagara SCX Version	3GPP/3GPP2, MP4			•	•	•	•	•
Monitoring & Reporting	5.4	6.3	6.3	6.5	6.5	6.5	6.5	
Video Input Settings	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)	•	•	•	•	•	•	•
Video Preprocessing	NTSC (M/M-J)	•	•	•		•		• (model 8A)
	PAL (B/D/G/H/I)	•	•	•		•		• (model 8A)
	SECAM (B/D/G/H/K/L/L1)	•	•	•		•		• (model 8A)
	Brightness, Contrast, Saturation, Hue	•	•	•	•	•	•	•
	Proportions (CCIR601/Standard)	•	•	•	•	•	•	• (model 8A)
	Standard/Custom Video Resolutions	•	•	•	•	•	•	•
	SMPTE 259M				•	•	•	• (model 2D)
SMPTE 292M				•	•	•	• (model 2D)	
Audio Input Settings	Video Cropping	•	•	•	•	•	•	•
	Video Scaling	•	•	•	•	•	•	•
	Watermarking/Logo Overlay	•	•	•	•	•	•	•
	Gamma Correction	•	•	•	•	•	•	•
	Deinterlacing	•	•	•	•	•	•	•
	SimulStream Enable & Controls	•	•	•	•	•	•	•
VBI	Volume/Mute Control	•	•	•	•	•	•	
Caption Extraction & Embedded in Stream	Caption Extraction & Embedded in Stream	•	•	•	SD Only	SD Only	•	SD Only
	Closed Caption to Text	•	•	•	SD Only	SD Only	•	SD Only

*Silverlight®



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