

# Niagara<sup>®</sup> SCX<sup>®</sup>

Control and Management Software

## Video streaming control and management.

The latest version of Niagara SCX management software now has MPEG-2 Transport Stream (TS) for easy streaming to set top boxes. The single network management protocol (SNMP) is a new features that enables the interconnection with Network Management tools so you can control one or several Niagara systems at the same time. Niagara SCX also now has IP ingest of multiple and single program transport stream (MPTS and SPTS).

### 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
- > 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

## Control and Management Software

Products	Niagara	2200	SURF	4100	Pro II	7550	9100
Video CODEC	Apple® HTTP live streaming			•	•	•	•
	Adobe® Flash® dynamic streaming			•	•	•	•
	Microsoft® Live IIS Smooth Streaming			•	•	•	•
	AVI (file only)		•		•		•
	Adobe® Flash® H.264	•	•	•	•	•	•
	*Microsoft® Windows Media® (v7, v8, v9)	•	•	•	•	•	•
	MPEG-4, Part 2	•	•	•	•	•	•
	MPEG-4, Part 10 (H.264)	•	•	•	•	•	•
	H.263	•	•	•	•	•	•
MPEG TS (H.264, MPEG2)	•	•				•	
Audio CODEC	AVI (file only)		•		•		•
	* Microsoft® Windows Media®	•		•	•	•	•
	AAC	•	•	•	•	•	•
	MP2 (MPEG2 only)	•					•
	HE-AAC, V1 & V2	•					•
Output Format Containers	3GPP/3GPP2, MP4		•	•	•	•	•
Current Niagara SCX Version		7.0	6.3	6.5	6.5	6.5	7.0
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)	•	•	•	•	•	•
Video Input Settings	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)	
Video Preprocessing	Video Cropping	•	•	•	•	•	•
	Video Scaling	•	•	•	•	•	•
	Watermarking/Logo Overlay	•	•	•	•	•	•
	Gamma Correction	•	•	•	•	•	•
	Deinterlacing	•	•	•	•	•	•
	SimulStream Enable & Controls	•	•	•	•	•	•
Audio Input Settings	Volume/Mute Control	•	•	•	•	•	•
VBI/Ancillary Data	Closed Caption Support	•	•	•	•	•	•
	Closed Caption to Text	•	•	•	•	•	•

\*Silverlight®



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