

**FEATURES**

- ▷ Live capture, encoding and streaming for a wide range of applications
- ▷ Various video/audio inputs
- ▷ Individually brand streams with bitmap overlays (e.g., logos and graphics)
- ▷ Web interface, APIs and SNMP provide remote setup, control and monitoring

**APPLICATIONS**

- ▷ Broadcasters
- ▷ Houses of worship
- ▷ Boardroom
- ▷ Government
- ▷ Remote Streaming
- ▷ Webcasting
- ▷ Education
- ▷ IPTV



The Niagara SCX Linux Plus series of products are powerful, compact appliances that are designed for a wide variety of broadcast and non-broadcast video applications. This durable system comes with Niagara SCX® web-based software application that allows for easy setup and management of encoders and streams. Additional audio & video input options make the Niagara Plus series a perfect solution for almost any professional studio or video facility.

**Models**

The Niagara SCX P encoders and decoders can be configured with SDI or HDMI inputs/outputs. It can also be configured without any video card as an IP transcoder.

**Reliability at an affordable cost**

Solid-state storage technology provides the reliability that you need for a scalable and highly flexible product. This compact unit is perfect for applications that require a fast, quiet and affordable system.



**Model 8000P-S1 and S2**



**Model 8000P-D4**



**Model 8000P-H1**

## TECHNICAL SPECIFICATIONS

### Video/Audio Interfaces

Video Inputs	SDI and HDMI
Audio Inputs	Embedded
Input Connectors	HDMI and BNC

### Encoding

Encoding Formats	Adobe® Flash® H.264 (RTMP and RTMPS) Apple® HTTP Live Streaming (HLS) MPEG-4, H.264 MPEG 2 Transport Stream, H.264 and MPEG 2 codecs
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### Transcoding

Transcoding Formats	Adobe® Flash® H.264 (RTMP and RTMPS) Apple® HTTP Live Streaming (HLS) MPEG-4, H.264 MPEG 2 Transport Stream, H.264 and MPEG 2 Codecs NDI YouTube Live
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### Monitoring

	LED power light
	SSD activity light

### Video Format

	SMPTE 259M and 292M SDI standards
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### Connectivity

USB ports	4 rear panel, 2 front panel
Ethernet	2 x 1 Gbit ports

### Pre-Processing

	Adaptive de-interlacing
	Video cropping and rescaling
	Aspect-ratio conversion or pass-through
	Frame rate conversion
	Logo & Slate insertion

	Closed-caption support (608 and 708)
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### Software

	Niagara SCX®
Management	REST APIs
	Browser-based user-interface

### Hardware:

	Multi-core processor
	Solid state drive (500 GB)

### Mechanical/Environmental

Chassis	12.25" H x 8.5" W x 5.25" D (31.1 cm x 21.6 cm W x 13.3 cm D)
Operating Temperature	
Weight	13 lb (5.8 Kgs)

### Power

Typ. Input Current	300W AC PS
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### Additional Contents

	Power cable Quick-start Guide
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### Hardware Warranty

	1 year limited hardware warranty
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## ORDERING INFORMATION

Part #	DESCRIPTION
8000P-TR-4	SCX Plus Transcoder, 4 services. Supports all popular IP inputs and outputs - UDP, RTSP, HLS, RTMP, SRT and more.
8000P-SH1	SCX Plus Encoder with 1 SDI and 1 HDMI input (can only use one at a time)
8000P-S1	SCX Plus Encoder with 1 SDI Input
8000P-S2	SCX Plus Encoder with 2 SDI Inputs
8000P-H1	SCX Plus Encoder with 1 HDMI Input
8000P-D1	SCX Plus Decoder with 1 SDI Output
8000P-D4	SCX Plus Decoder with 4 SDI Outputs