

## Niagara 8000 Series Video Processors



### Overview

The Niagara 8000 series is a lower cost, highly reliable family of video processing equipment. These use the SCX Linux based software to enable a wide range of capabilities ranging from encoding to transcoding in a single chassis appliance.

#### Easy to use

The web based GUI is very intuitive and we also create common configurations to get you up and running quickly. The more information we get the more set up we can do for you!

#### Ideal Markets

- > Broadcasters
- > Schools
- > Corporations
- > Government
- > Hotels

#### Applications

- > Streaming to CDNs; YouTube, Face Book, etc.
- > Recording streams
- > Encoding
- > Transcoding / transmuxing
- > Decoding (with Genlock)

#### Key Features

- > 1 RU server with 2 NIC ports
- > Browser based GUI management
- > Low power consumption
- > Wide range of input options

## Niagara 8000 products



Model 8000-H1 (Single HDMI input)



Model 8000-H2 (Dual HDMI input)



Model 8000-S1, Model 8000-S2  
(Single SDI and Dual SDI input)  
On 8000-S1 the second BNC is a loop out



Model 8000-ASI



Model 8000-D1 (Single DVI-I Input)



Model 8000-D2 (Dual DVI-I Input)



Model 8000-TR (IP Input only)



Model 8000-4D (Decoder + Genlock)

<p><b><u>Encoding Formats:</u></b>          Adobe® Flash® H.264 (RTMP and RTMPS)          Apple® HTTP Live Streaming (HLS)          Dynamic Adaptive Streaming over HTTP (MPEG-DASH)          MPEG 2 Transport Stream (UDP or RTP)          RTSP          NDI          SRT          H.264 and HEVC codecs</p>	<p><b><u>Transcoding:</u></b>          Video Codec Inputs: MPEG-2, H.264 and HEVC          Audio Codec Inputs: MPEG-1 Layer II, AAC-LC, HE-AAC v1/v2, Dolby Digital (AC-3), Dolby Digital Plus (E-AC-3)          Transcoding Inputs: MPEG2-TS, RTMP, RTSP, HLS, HTTP, NDI, SRT          ASI input/output</p>
<p><b><u>Pre-Processing:</u></b>          Adaptive de-interlacing          Video cropping and rescaling          Aspect-ratio conversion or pass-through          Frame rate down and up-conversion          Video preview          Logo &amp; Slate insertion          Time code/Date &amp; Time insertion          Closed-caption support</p>	<p>Size: 1 RU, 19"x1.75"x 9.84"          Storage: 500GB SSD          Network: Dual Gigabit Ethernet ports          Power: Single 250W AC PS</p> <p><b><u>Software:</u></b>          SCX-L (SCX Linux version)          SNMP - monitoring          Web SDK (REST API)</p>

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