

## Niagara 8100 H.264/HEVC Series Video Processors



### Overview

The Niagara 8100 series is a cost effective, 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 decoding to transcoding to recording all in one system! It is ideal for up to 4 inputs/outputs or up to 10 transcodes.

The 8100 can easily handle 4-5 HD services. Each service can have multiple outputs/destinations.

### 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, FaceBook, etc.
- > Decoding
- > Encoding
- > Recording streams
- > Transcoding

#### Key Features

- > 1 RU server with 2 NIC ports
- > Browser based GUI management
- > Excellent cost/performance ratio
- > Wide range of input options
- > Now supports decode

# Niagara 8100 products

**Models:**

- 8100-H1 Single HDMI input Encoder/Transcoder
- 8100-H2 Dual HDMI input Encoder/Transcoder
- 8100-S1 Single SDI Input Encoder/Transcoder
- 8100-S2 Dual SDI input Encoder/Transcoder
- 8100-S4 Quad SDI Input Encoder/Transcoder
- 8100-D1 Single DVI-I Input Encoder/Transcoder
- 8100-D2 Dual DVI-I Input Encoder/Transcoder
- 8100-TR Transcoder with IP Input and Output Encoder/Transcoder
- 8100-SX4 4 Channel Decoder/Transcoder/Encoder
- 8100-ASI-2 Transcoder with 2 ASI Inputs/Outputs

<p><b><u>Encoding/Decoding Formats:</u></b>          Adobe® Flash® H.264 (RTMP and RTMPS)          Apple® HTTP Live Streaming (HLS)          Dynamic Adaptive Streaming over HTTP (MPEG-DASH)          MPEG 2 TS (UDP or RTP)          H.264 and HEVC codecs          RTSP, SRT and NDI</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 pass-through          Transcoding Inputs: MPEG 2-TS, RTMP, RTSP, HLS, HTTP, ASI</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 19.8"          Storage: 500GB SSD          Additional storage available          Network: Dual Gigabit Ethernet ports          Power: Dual 400W 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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