Niagara® 2200

Multi-protocol SD Encoder

Expand your audience through the power of live streaming video

The Niagara 2200 offers uncompromised quality and simplicity of operation in a compact, low-cost encoder. At the size of a half rack, the system supports a wide number of encoding formats for a variety of applications.

Uncompromised quality

You can count on the same highly reliable performance demanded by others who use Niagara products, including the world's leading broadcasters, corporations, churches and government agencies.

Easy to set up and use

The Niagara 2200 allows even non-technical personnel to stream high-quality live video. Its built-in web interface simplifies system setup and operation, allowing complete system control from anywhere on the network. Just set your streaming parameters from the intuitive web interface and you can begin streaming in multiple resolutions and bit rates with a single push of a front panel button.

Maximize your audience

You can stream MPEG2, Windows Media or H.264 video in multiple formats, resolutions and bit rates to set top boxes, mobile devices and computers. The 2200 can stream internally across your LAN, over the Internet to popular CDNs and to AT&T UVerse head ends for PEG applications.

Ideal Solutions

> Corporations
> Government
> Ministries
> Network service providers

Applications

> PEG Channels
> LAN video distribution
> Internet Streaming
> Mobile TV

Key Attributes

> Includes the most popular formats - Flash, Windows Media and MPEG2 TS
> Easy-to-use web interface for system control and management
> One-button activation of multiple, pre-programmable streaming profiles
> Powerful, compact appliance for rack mount or portable applications
> Simultaneously streams multiple formats and resolutions at multiple data rates
> Component and composite video inputs, balanced and unbalanced stereo audio inputs
> Front display of audio, stream start, video present and alarms
> Includes Niagara SCX® software for setup, control and monitoring
> Self-documenting Niagara SCX® SDK

Niagara Video - Delivering Live Video Whenever, Wherever

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Multi-protocol Encoder

Niagara 2200 front view

Niagara 2200 back view

Niagara 2200 Encoder Properties Window

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Encoding Formats:
- MPEG2 TS, MPEG2 and H.264 codecs
- Single Program Transport Stream (RTP or UDP)
- Microsoft® Windows Media®
- Adobe® Flash® H.264
- MPEG-4 Part 2, H.263, and H. 264
- 3GPP/3GPP2, MP4 container support

Monitoring:
- Stereo audio headset
- Video presence indicator
- Audio level meters

Inputs:

Video:
- Component (*3 x BNC*)
- Composite (*1 x BNC, RCA adapter included*)

Audio:
- Balanced stereo (*2 x XLR*)
- Unbalanced stereo (*2 x RCA*)

Video Formats:
- NTSC or PAL

Connectivity:

USB ports:
- 1 Front and 1 Rear

Ethernet Ports:
- 2x1 Gigabit Rear

Software:
- Niagara SCX® with web interface
- SimulStream®

Hardware:
- Multi-core processor
- SATA SSD (*250 GB*)

Pre-Processing:
- Scaling, cropping, de-interlacing, inverse telecine, closed-caption rendering

Weight:
- 4.9 lbs (*2.2 Kgs*)

Dimensions:
- 7.5" W x 11.5" L x 1.75" H (*19 cm W x 29.2 cm L x 4.45 cm H*)

Power:
- 12 V DC (*AC to DC adapter included*)
- 60W power supply

Warranty:
- 1 year software and hardware included

Delivering Video Whenever, Wherever