GoStream® Digital
Streaming Media System

More than just a streaming system.

The GoStream Digital is a powerful, compact dual channel streaming appliance that is designed for a wide variety of IP 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 GoStream a perfect solution for almost any professional studio or video facility.

Two models
The GoStream Digital dual channel encoders can be configured with 2 SDI inputs or 2 DVI-I inputs. The DVI-I inputs can accommodate a wide range of video inputs; composite, component, DVI, HDMI and VGA.

Reliability at an affordable cost
With solid-state storage technology, the GoStream provides the reliability that you need for a portable, scalable, highly flexible encoder. This compact unit is perfect for applications that require a fast, quiet and affordable system.

Ideal Solutions
> Broadcasters
> Houses of worship
> Boardroom
> Government
> Network service providers
> Education

Applications
> Remote streaming
> Webcasting
> Mobile TV
> IPTV

Key Attributes
> Live capture, encoding and streaming for professional-grade digital video and audio delivery
> Configurable video/audio inputs
> Individually brand streams with bitmap overlays (e.g., logos and graphics)
> Web interface and SNMP provide remote setup, control and monitoring

Niagara Video Corporation
Delivering Video Whenever, Wherever
### GoStream® Digital
**Streaming Media System**

#### GoStream-H

**Video Input:**
- 2 x DVI-I
- 2 x HDMI (HDCP not supported)
- 2 x VGA/XVGA resolutions up to 1600 x 1200 at 60 Hz
- 2 x Component/composite S-Video

**Audio Input:**
- HDMI (2 x 4 stereo pair LPCM)
- Unbalanced (1 x stereo)

#### Audio option (Ha or Sa)

**Additional Audio Input:**
- AES digital audio (2 stereo pair, 2 x XLR)
- SPDIF digital audio (2 stereo pair, 2 x RCA)
- Balanced analog audio (2 dedicated stereo pair, 4 x XLR)
- Unbalanced analog audio (2 stereo pair, 4 x RCA)

#### GoStream-S

**Video Input:**
- 2 x SDI (BNC x 2)
- 3G SMPTE 424 M
- HD SMPTE 292 M
- SD SMPTE 259 M

**Audio Input:**
- Embedded SDI (4 stereo pair per SDI input)

## Specifications

### Encoding Formats:
- Adobe® Flash® H.264*
- Adobe® Flash dynamic streaming
- Apple® HTTP Live Streaming (HLS)
- Microsoft® Live IIS Smooth Streaming
- Microsoft® Windows Media® (Silverlight®) SD and HD*
- MPEG-4, H.264, H.263
- 3GPP/3GPP2, MP4 container support
- MPEG 2 Transport Stream, H.264 and MPEG 2 codecs

*Output streams tested up to 1080p at 30 fps using Flash H.264 and Windows Media

### Monitoring:
- Video streaming presence indicator
- LCD status monitor
- Audio level meter
- Audio headset jack

### Video Format:
- SMPTE 259M and 292M SDI standards

### Connectivity:
- USB ports:
  - 6 rear panel, 1 front panel
- Ethernet:
  - 3 x 1 Gbit ports

### Software:
- Niagara SCX®
- Web-based user-interface
- SNMP

### Hardware:
- Multi-core processor
- SSD (120 GB)
- (Optional) Solid state hybrid drive (500 GB/1 TB)

### Pre-Processing:
- Scaling, cropping, de-interlacing, inverse telecine
- CEA 608 closed caption overlay is available on all encoder types (SD only).
- CEA 608/708 embedded closed captions only available for HLS, Flash Adaptive, Flash, and MPEG2TS streams. HD and SD CEA 608/708 overlay closed captions is available for all encoder types.

### Weight:
- 13 lb (5.8 Kgs)

### Dimensions:
- 12.25" H x 8.5" W x 5.25" D
  (31.1 cm x 21.6 cm W x 13.3 cm D)

### Power:
- 150 W power supply

### Additional Contents:
- DVI-I - HDMI and DVI - VGA adapters included
- Component breakout, BNC - RCA adapters, BNC - S-Video cable

### Hardware Warranty:
- 1 year limited hardware warranty

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