

# Go Stream B264 Encoder



## 24x7 operation for demanding applications

The GoStream B264 encoder is designed for broadcast applications but can also be used for other applications such as IPTV and Internet streaming. There are two base models; the B264-IP which has IP outputs and the B264-AIP which has both ASI and IP outputs. The encoder is available in a single and dual channel configuration. All of the popular IP output protocols are supported.

### Configurations

Each model is available as a single or dual channel encoder. The IP model supports common IP protocols such as UDP, Adobe Flash and Apple's HLS. The AIP model add RTP with SMPTE 2022 FEC as well as an ASI output.

### Reliability at an affordable cost

The encoder is based on hardware compression. It consumes very little power and has a small form factor.

### Ideal Solutions

- > Broadcasters
- > Houses of worship
- > Boardroom
- > Government
- > Network service providers
- > Education

### Applications

- > Remote streaming
- > Webcasting
- > ENG
- > IPTV

### Key Attributes

- > Suitable for broadcasters but affordable for other markets as well.
- > Input can be set to auto-detect or for manual selection
- > ASIC compression and Linux ensure 24x7 operation
- > Client software and SNMP provide setup, control and monitoring

# Go Stream B264

Broadcast Encoder



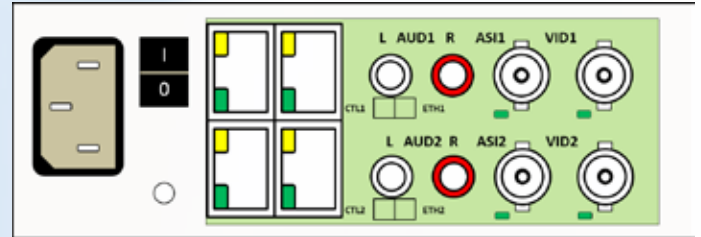
Back View (Balanced Audio Option)

**Video Input:**

- 2 x SDI (BNC x 2)
  - 3G SMPTE 424 M
  - HD SMPTE 292 M
  - SD SMPTE 259 M
  - Composite (NTSC or PAL)

**Audio Input:**

- Embedded SDI (up to 4 stereo pairs)
- 2 Pairs Balanced Audio (Terminal blocks)



Back View (Unbalanced Audio Option)

**Video Input:**

- 2 x SDI (BNC x 2)
  - 3G SMPTE 424 M
  - HD SMPTE 292 M
  - SD SMPTE 259 M
  - Composite (NTSC or PAL)

**Audio Input:**

- Embedded SDI (up to 4 stereo pairs)
- 2 Pairs Unbalanced Audio (RCA)

## Specifications

**Video Encoding Formats:**

- Adobe® Flash® H.264 (RTMP)
- Apple® HTTP Live Streaming (HLS)
- MPEG 2 Transport Stream, UDP and RTP
- SMPTE 2022 FEC

**Audio Encoding Formats:**

- AAC
- MPEG1 Layer II
- Up to 4 channels per video channel (2 Pairs)
- AC-3 Pass through
- Balanced or Unbalanced Analog Inputs (2 pairs)

**Video Format:**

- HD: SMPTE 424M and 292M SDI standards
- SD: SMPTE 259M SDI, Analog NTSC and PAL

**Connectivity:**

- 4 x 1 Gbit ports (auto sensing)
- 2 x SDI Inputs
- 2 x ASI Outputs
- 2 x Balanced Analog Audio Inputs (Terminal block) or
- 2 x Unbalanced Analog Audio Inputs (RCA)

**Software:**

- Client software for PC, Mac and Linux
- SNMP MIB

**Hardware:**

- ASIC based hardware compression
- Control and Streaming Ethernet Ports
- IP and ASI outputs

**Pre-Processing:**

- CEA 608 and 708
- AFD/WSS

**Weight:**

- 3 lb (1.36 Kgs)

**Dimensions:**

- 1.73" H x 5.7" W x 14" D (3 will fit in 1 RU)  
(44mm x 146 x 356mm)

**Power:**

- 12 W maximum

**Additional Contents:**

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

**Hardware Warranty:**

- 3 year hardware and software warranty



© 2016 Niagara Video Corporation. Niagara®, GoStream® and Niagara SCX® (and design)™ are registered trademarks of Niagara Video. Flash is a trademark of Adobe Systems Inc. iPad, iPod and iPhone are registered trademarks of Apple Inc. All other trademarks are the property of their respective owners. Product specifications and availability may change without notice.