

# Niagara BRD Decoder



**Stand Alone Model**



**openGear Card Model**

## 24x7x365 operation for demanding applications

The Niagara BRD H.264/MPEG-2 decoder is designed for broadcast applications but can also be used for other applications such as IP transport over the Internet and receiving streams from security cameras. The decoder is available in two configurations; one with balanced audio output and one with unbalanced audio output.

### Now with XRT – eXtremely Reliable Transport over the Internet

The BRD has 3 options for receiving video over the Internet; HLS, RTMP (either as a client or as a server) and XRT (RTP/ARQ). It will operate with the B264 encoder or many other encoders or servers.

### Broad support of IP Protocols

This decoder supports the widest range of IP protocols in the industry including; UDP, RTP, RTP/ARQ, Adobe Flash, Apple's HLS and RTSP. It also supports ASI input.  
Now with XRT!

### Reliability at an affordable cost

The decoder is based on hardware decompression. It consumes very little power and has a small form factor. Three can fit in 1 Rack Unit of space

#### Ideal Solutions

- > Transmit over the Internet
- > Houses of worship
- > Boardroom
- > Government
- > Broadcasters
- > Education

#### Applications

- > ENG/OB transport
- > Reception of security cameras
- > Monitoring of HLS, RTMP, UDP, RTSP streams
- > Point to Point or Multipoint IP or ASI transmission

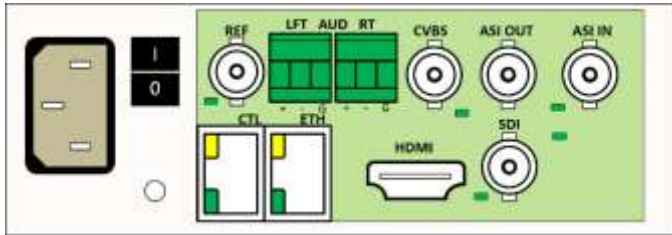
#### Key Features

- > 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 24x7x365 operation
- > Client software and SNMP provide setup, control and monitoring

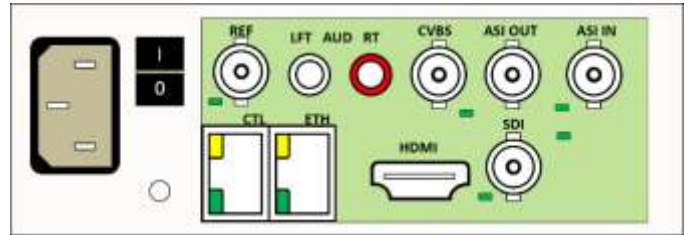
# Go Stream BRD Decoder

Broadcast Decoder

## Stand Alone Rear Panels



Back View (Balanced Audio Option)



Back View (Unbalanced Audio Option)

### Video Output:

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

### Audio Output:

- Embedded SDI (2 stereo pairs)
- 1 Pair Balanced Audio (Terminal blocks)

### Video Output:

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

### Audio Output:

- Embedded SDI (2 stereo pairs)
- 1 Pair Unbalanced Audio (RCA)

## Specifications

### Video Decoding Formats:

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

### Audio Decoding Formats:

- AAC
- MPEG1 Layer II
- AC-3 Pass through or Decode
- Balanced or Unbalanced Analog Outputs

### SMPTE Protocols:

- SMPTE 2022 FEC
- SCTE 104/35 conversion
- SMPTE 2038, frame accurate

### Video Format:

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

### Connectivity:

- 2 x 1 Gbit ports (auto sensing)
- 1 x SDI Output
- 2 x ASI (1 Input and 1 Output)
- 1 x Balanced Analog Audio Output (Terminal block) or
- 1 x Unbalanced Analog Audio Output (RCA)

### Software:

- Client software for PC, Mac and Linux (DashBoard)
- 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:

- 15 W maximum

### Warranty:

- 3 year hardware and software warran

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