![AdvancedDigital Inc. logo]

NOVUS-RD - H.264 (MPEG-4 AVC) & MPEG-2 HD/SD Decoder

ASI and IP Input/Output

Genlock, FEC

SDI, HDMI, CVBS Outputs

UDP, RTP, RTMP, RTSP, HLS decoding

Resolution: up to 1080p@60

SDI/HDMI embedded audio outputs

Balanced or Unbalanced audio outputs

Made in the USA

Business Benefits

Flexible Networking

Decoding options include the traditional formats along with newer ones such as RTMP and HLS This decoder can support the new cameras that output RTMP or RTSP.

Green Design

The fan-less design and product architecture decreases power needs and allows for silent operation.

Control & Monitoring

The DashBoard Network Control & Monitoring software is a free application designed for remote control & monitoring of the open architecture, openGear® platform. A complete SNMP MIB is also included.

For larger deployments where multiple chassis are deployed, the DashBoard application may be used for firmware updates and monitoring.

Application

The NOVUS-RD Decoder is a high performance real time MPEG-2 and MPEG-4 SD and HD video decoding solution that is future proofed by design. It is the first professional broadcast decoder that can decode the traditional video formats such as UDP and RTP (MPEG Transport Stream) as well as Internet and Mobile formats such as RTMP (Adobe Flash) and HLS (Apple's HTTP Live Streaming). Camera protocols such as RTMP and RTSP are also supported.

The decoder has been designed to meet the demanding requirements of the IPTV, Telco, professional broadcast, enterprise video delivery, and streaming video markets.

Features

- MPEG-2 and MPEG-4 AVC video decoding
- MPEG-1 Layer 2, MPEG-1 Layer 3, AAC-LC, AAC-HE, E-AC-3 and
- . AC-3 audio decoding
- UDP, RTP, RTMP, RTSP, HLS support
- FEC support
- SPTS Stream Splitting: remultiplexing ASI MPTS to multiple SPTS IPstreams
- Management and control via Dashboard software or SNMP or front panel
- IP reception of unicast or multicast
- SDI, HDMI, Composite, IP and ASI outputs
- Dolby audio pass-through and down mixing

Ordering Information

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AVAILABLE OPTIONS:

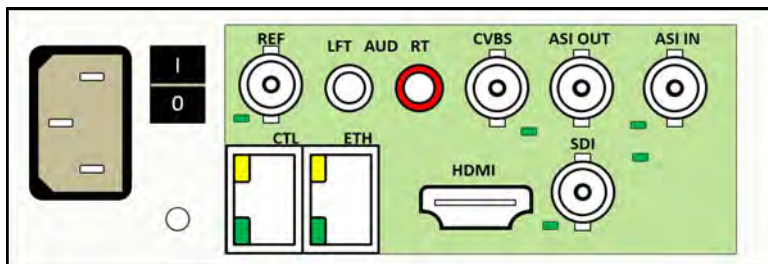**OPT-GEN   - Genlock License**
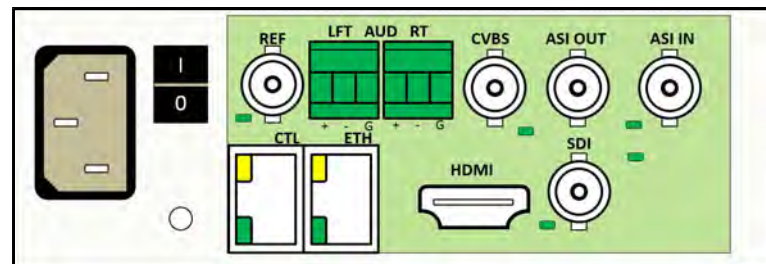
OPT-DOL -   Dolby Decode License

OPT-IPOUT   -   supports SPTS Stream splitting and MPTS Otput

OPT-ARQ - supports RIST/ARQ

OPT-RACK - 1RU rack mount tray (holds up to 3 NOVUS-RD)

NOVUS-RD with Unbalanced audio outputs   NOVUS-RD with Balanced audio outputs

1RU rack mount tray (holds up to 3 NOVUS-RD)

Specifications

Inputs and Outputs	**Inputs** DVB-ASI and IP Genlock **Outputs** DVB-ASI and IP SDI HDMI CVBS (Composite Analog) Unbalanced Audio (RCA) Balanced Audio (terminal block)	Video Processing	**Decoding:** - MPEG-2 - MPEG-4 AVC (H.264)	Management	10/100/1000Base-T Ethernet (RJ-45) Configuration import/export **Front panel** SNMP
		Video Resolutions	**SD and HD** **Maximum Resolution:** 1920x1080p/60	Physical	**Dimensions:** (W x D x H) 146 x 356 x 44mm Desktop or 1RU rack mountable tray available—3 modules per tray **Power:** 15 Watts total power consumption AC input 100-240 VAC 47-63Hz Convection cooling
Network Transport Protocols	UDP (Unicast and Multicast) RTP (Unicast and Multicast) RTMP **Client or Server** (Adobe Flash) HLS (HTTP Live streaming) RTSP **(Security Cameras)** SMPTE-2022 Pro-MPEG FEC Á ŒÏÛ	Audio Processing	**Decoding:** - MPEG-1 Layer **2 (mp2)** **- MPEG-1 Layer 3 (mp3)** - AAC-LC - HE-AAC - AC-3 (stereo output) - E-AC-3 (stereo output) **Dolby Pass Through**	Environmental	**Operating Temperature:** 0°Cto 50°C (32°F to 122°F) **Operating Humidity:** 5% to 95% (non-condensing)
				Compliance	**CE:** CE marked in accordance with 89/336/EEC, 72/23/EEC and 1999/5/EEC Directives **EMC:** EN55022, EN55024, EN61000-3-2, FCC Part 15 **SAFETY:** IEC 60950 **ROHS:** 2011/65/EU **WEEE:** 2012/19/EU

Note: NOVUS-RD specifications are subject to change