

- 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



## 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.

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
- unicast or multicast
- SDI, HDMI, Composite, IP and ASI outputs
- Dolby audio pass-through and down mixing

## Ordering Information

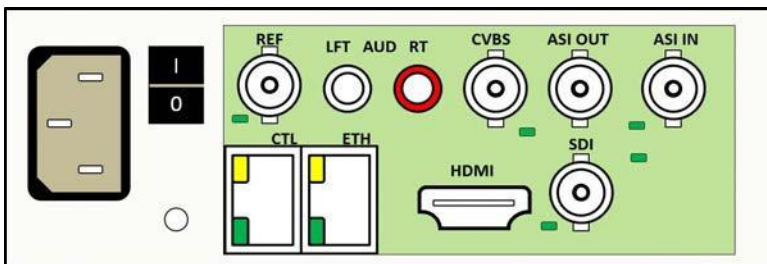
**NOVUS-RD - H.264 (MPEG-4 AVC) and MPEG-2 HD/SD decoder**

### AVAILABLE OPTIONS:

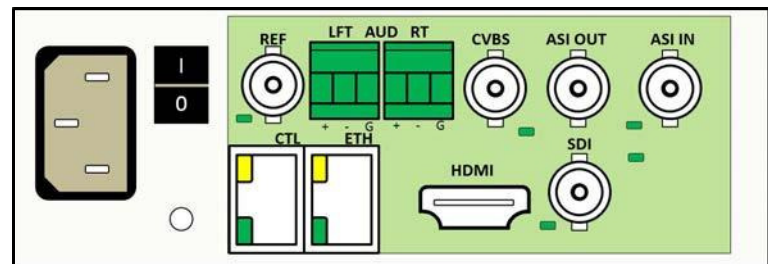
**OPT-GEN - Genlock License**

**OPT-DOL - Dolby Decode License**

**OPT-IPOUT - supports SPTS Stream splitting and MPTS Output**



NOVUS-RD with Unbalanced audio outputs



NOVUS-RD with Balanced audio outputs



Three NOVUS systems in an optional 1RU rack mount tray

## Specifications

<b>Inputs and Outputs</b>	<b>Inputs</b>	<b>Video Processing</b>	<b>Decoding:</b>	<b>Management</b>	10/100/1000Base-T Ethernet (RJ-45)	
	DVB-ASI and IP Genlock		- MPEG-2 - MPEG-4 AVC (H.264)		Configuration import/export Visual fault indicator SNMP v1,v2	
	<b>Outputs</b>	<b>Video Resolutions</b>	<b>SD and HD</b>	<b>Physical</b>	<b>Dimensions:</b>	
	DVB-ASI and IP SDI HDMI CVBS (Composite Analog) Unbalanced Audio (RCA) Balanced Audio (terminal block)		<b>Maximum Resolution:</b> 1920x1080p/60		(W x D x H) 146 x 356 x 44mm Desktop or 1RU rack mountable tray available—3 modules per tray	
<b>Network Transport Protocols</b>	UDP (Unicast and Multicast) RTP (Unicast and Multicast) RTMP (Adobe Flash) HLS (HTTP Live streaming) RTSP (Security Cameras) SMPTE-2022 Pro-MPEG FEC	<b>Audio Processing</b>	<b>Decoding:</b>	<b>Power:</b>	15 Watts total power consumption AC input 100-240 VAC 47-63Hz Convection cooling	
			- MPEG-1 Layer 2 (mp2) - MPEG-1 Layer 3 (mp3) - AAC-LC - HE-AAC - AC-3 (stereo output) - E-AC-3 (stereo output)		<b>Operating Temperature:</b>	0°C to 50°C (32°F to 122°F)
			<b>Dolby Pass Through</b>		<b>Operating Humidity:</b>	5% to 95% (non-condensing)
				<b>Compliance</b>	<b>CE:</b> CE marked in accordance with 89/336/EEC, 72/23/EEC and 1999/5/EEC Directives <b>EMC:</b> EN55022, EN55024, EN61000, FCC Part 15 <b>SAFETY:</b> IEC 60950 <b>ROHS:</b> 2011/65/EU <b>WEEE:</b> 2012/19/EU	

Note: NOVUS-RD specifications are subject to change