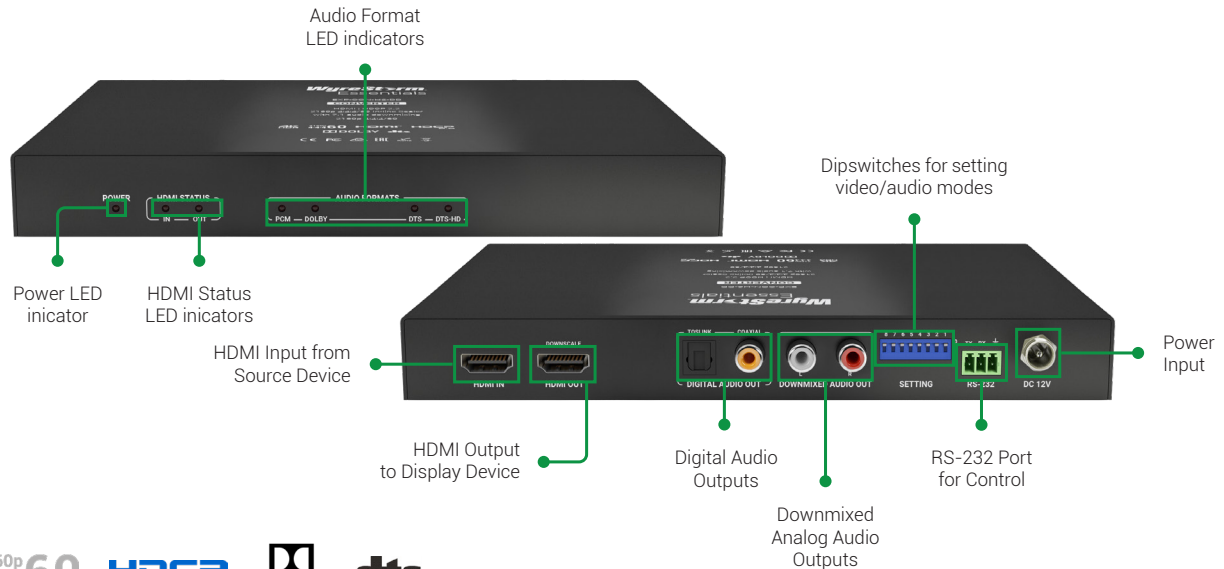


# 4K/UHD In-line HDMI Scaler with Dolby TrueHD™ & DTS-HD™ Audio Downmixing

EXP-CON-H2-DD

# WyreStorm™

## Specification Sheet



WyreStorm - Powerful. Reliable. Simple.

## Introduction

The EXP-CON-H2-DD is the audio tool that everyone should have. A versatile offering loaded with powerful features. Take up to Dolby True HD or DTS-HD 7.1 audio signals from an HDMI source and downmix to RCA stereo analog. Featuring 18Gbps HDMI passthrough, easily transmit 4K HDR or Dolby Vision content to a connected display or AVR. If you have an older 1080p, don't worry, as the HDMI output of the converter can scale 4K content to 1080p. If you need multi-zone audio downmixing simply rack mount up to 12 converters by using the NHD-000-RACK4

## Key Features

- 18Gbps HDMI input supports video content up to 4K/60 4:4:4 and the latest 4K specifications such as HDR10 and Dolby Vision.
- Powerful audio capabilities allows 7.1 Dolby True HD and DTS-HD signals to be downmixed to stereo RCA.
- Simultaneous downmixing and audio de-embedding via digital audio outs and stereo RCA
- Supports audio sampling rates up to 192 KHz
- HDMI Output supports 4K to 2K video scaling with HDR conversion
- Manual EDID dipswitches for easy manipulation of audio and video settings
- RS-232 control port for integration with 3rd-party control systems
- Supports rack mounting up to 12 converters with the NHD-000-RACK4
- Front panel audio decoding LEDs for easy signal identification
- Manufactured under license from Dolby Laboratories

## In the Box

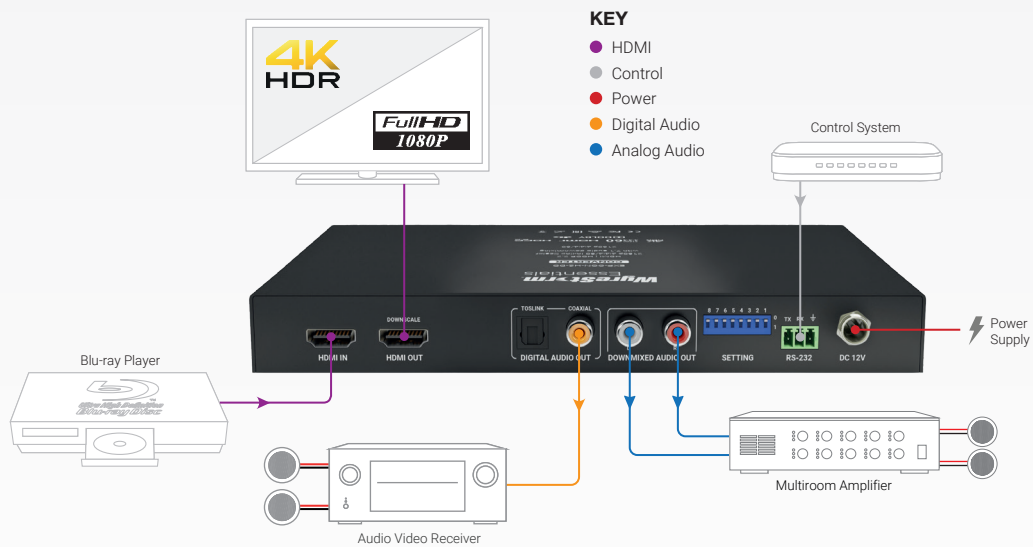
1x EXP-CON-H2-DD Downmixer/scaler  
1x 3-pin Phoenix connector

2x Rack mounting brackets (for NHD-000-RACK4)  
1x 12V DC 1A Power Supply with wall adaptors (US/UK/EU/AU)  
1x Quickstart guide (this document)

# Specifications

Video		
HDMI	v2.0b TMDS	
Inputs	1x HDMI In: 19-pin type A	
Output	1x HDMI Out: 19-pin type A Scaling output   3840x2160p > 1920x1080p only	
Maximum Transmission Bit Rate	17.8Gbps	
Maximum Pixel Clock	HDMI: 600MHz	
Video Resolutions (Max)	<b>Resolution</b>	<b>HDMI</b>
	1920x1080p @60Hz	15m/49ft
	3840x2160p @60Hz 8bit 4:4:4	3m/10ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft
3840x2160p @60Hz 12bit 4:2:2 HDR	3m/10ft	
Supported Standards	DCI   RGB   HDR   HDR10   Dolby Vision up to 60Hz   HLG   BT.2020   BT.2100	
Audio		
Outputs	1 x HDMI Out: Pass-through 1 x Audio Out: RCA Stereo 2 x Audio Out: Mirrored S/PDIF (Coaxial & Toslink)   5.1 bitstream or 2ch downmix	
Audio Formats (Pass-through)	HDMI: 8ch LPCM   Multichannel bitstream up to Dolby Atmos and DTS-X	
Audio Formats (Down-mix)	8ch LPCM   Dolby TrueHD™   DTS Master HD	
Maximum Sampling Rate	192KHz	
Maximum Audio Channels	<b>Inputs</b> HDMI: 7.1Ch PCM   Dolby True HD   DTS-HD	<b>Outputs</b> HDMI: 7.1Ch PCM   Dolby True HD   DTS-HD Stereo RCA: 2ch analogue Digital S/PDIF: 5.1ch PCM   Dolby Digital   DTS
Communication and Control		
RS-232	1x RS-232: 3-pin Phoenix   API control	
HDCP	Pass-through, 2.2 Supported	
EDID	Managed	
Consumer Electronics Control (CEC)	Not Supported	
Auto Low Latency Mode (ALLM)	Not Supported	
Variable Refresh Rate (VRR)	Not Supported	
Power		
Power Supply	12V DC 1A supplied	
Max Power Consumption	8W	
Environmental		
Operating Temperature	32°F ~ 110°F (0°C ~ 40°C)   10% ~ 90%, non-condensing	
Storage Temperature	-4°F to ~ 140°F (-20°C ~ +60°C)   10% ~ 90%, non-condensing	
Maximum BTU	27.2 BTU/hr	
Dimensions and Weight		
Installation	Wall mounted   Free standing	
Height With   Without Feet	25mm/0.98in	
Width With   Without Brackets	215mm/8.46in	
Depth With   Without Handles	118mm/4.64in	
Weight	0.42kg/0.92lbs	
Regulatory		
Safety and Emission	CE   FCC   RoHS   RCM   EAC	

# Right Product for the Right Application.



**Note:** WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.