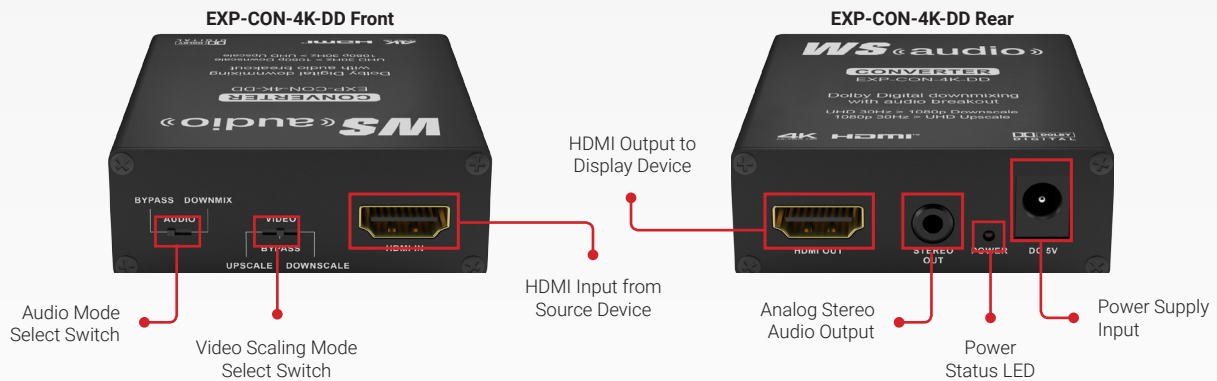


WyreStorm Express™ 4K UHD Downscaler and HD Upscaler with Dolby Digital Downmixing

EXP-CON-4K-DD

WyreStorm® Express

Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

The WyreStorm EXP-CON-4K-DD is an in-line HDMI video scaler that can connect between a screen and a distribution system to scale incoming 4K/30Hz content to 1080p. It can also downmix Dolby Digital 5.1 audio to stereo via the HDMI output or stereo audio output port.

Key Features

- Affordable in-line scaling solution for installations including 4K and HD displays without compromising source resolution
- 4K/30p > 1080/24p Downscale - to enable 1080p screens to view 4K sources through a 4K matrix system
- 1080/24p > 4K/30p Upscale - for connection to 4K screens
- Supports resolutions up to 4096x2160p @24/25/30Hz
- Full 3D support up to 1080p/24hz
- Downmix incoming Dolby Digital to stereo PCM audio where required through HDMI output
- Supports up to 6 channels (up to 5.1 surround) of audio encoded in Dolby Digital
- Low-latency digital filtering
- Manufactured under license from Dolby Laboratories
- Accepts uncompressed digital audio input signals
- Audio breakout for stereo audio
- Includes digital interpolation filter
- Auto-samples at frequencies of 32, 44.1 and 48KHz
- Supports audio signals up to 24bit with sampling rates up to 192KHz
- THD+N (Total harmonic distortion plus noise) rating: -93db
- Switchable input selection for video/audio scaling or signal pass-through
- Equalizes and boosts HDMI signal for longer distance transmissions
- Compact design
- LED power indication

In the Box

- 1x EXP-CON-4K-DD AV Scaler/Downmixer
- 1x 5v DC power supply
- 1x Install Guide

Specifications

Audio and Video	
Inputs	1x HDMI In 19-pin HDMI type A female
Outputs	1x HDMI In 19-pin HDMI type A female 1x Stereo Out: 3.5mm (1/8in) TRS Stereo
Audio Formats	Input: 2ch PCM Dolby Digital 5.1 Downmix Output: 2ch PCM
Video Resolutions (Max)	1920x1080p @30Hz 12bit (15m/49ft) 3840x2160p @30Hz 4:2:0 8bit (7m/23ft) 4096x2160p @30Hz 4:2:0 8bit (7m/23ft) Note: 1080i and 720p resolutions are not supported.
Video Scaling	Up Scales 1920x1200p @30Hz 12bit to 3840x2160p @30Hz 4:2:0 8bit Down Scales 4096x2160p @30Hz 4:2:0 8bit to 1920x1200p @30Hz 12bit
Color Depth	1080p: 12bit 4K: 8bit
Maximum Pixel Clock	340Mhz
Communication and Control	
HDMI	HDMI HDCP 1.4
Power	
Power Supply	5V DC 1A
Max Power Consumption	5W
Environmental	
Operating Temperature	0~+ 45°C (32~+ 113 °F), 10%~90%, non-condensing
Storage Temperature	-20~+70°C (-4~+ 158 °F), 10%~90%, non-condensing
Maximum BTU	17 BTU/hr
Dimensions and Weight	
Rack Units/Wall Box	<1U
Height	23mm/0.91in
Width	65mm/2.56in
Depth	77mm/3.04in
Weight	1.05kg/2.31lbs
Regulatory	
Safety and Emission	CE FCC RoHS

Right Product for the Right Application.

