WYRESTORM EXPRESS™ DOLBY DIGITAL DOWN-MIXER WITH UHD 4K DOWNSCALE AND HD UPSCALE

EXP-CON-4K-DD





KEY FEATURES:

- · Downmix incoming Dolby Digital to stereo PCM audio where required through HDMI output
- · Audio breakout of stereo audio
- 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

UltraHD may have arrived but not every client will ditch their existing HD screens overnight so ability to support a combination of 4K and 1080p HD displays within the same distribution is an important consideration, especially given the resolution conflicts that effect systems including screens of different capabilities.

Placed between a display and a source device, this EXP-CON-4K-DD video scaler and digital audio converter (DAC) is designed to adjust resolution and audio from an incoming HDMI source and scale output to a level compatible with display capabilities.

The EXP-CON-4K-DD represents the ideal solution to the growing challenge of how to simply and reliably accommodate both HD and 4K sources and displays within a multi-zone residential or commercial distribution.

ADDITIONAL FEATURES & BENEFITS:

- Affordable in-line scaling solution for installations including 4K and HD displays without compromising source resolution
- Supports resolutions up to 4096x2160p @24/25/30Hz
- Full 3D support up to 1080p/24hz
- 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
- · 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: a-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

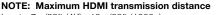
IN THE BOX

1 x EXP-CON-4K-DD WyreStorm Express™ Dolby Digital down-mixer with UHD 4K downscale and HD upscale

1 x Manual Insert (Manual Insert and full manual downloadable from wyrestorm.com)

1 x 5v DC 1A power adapter





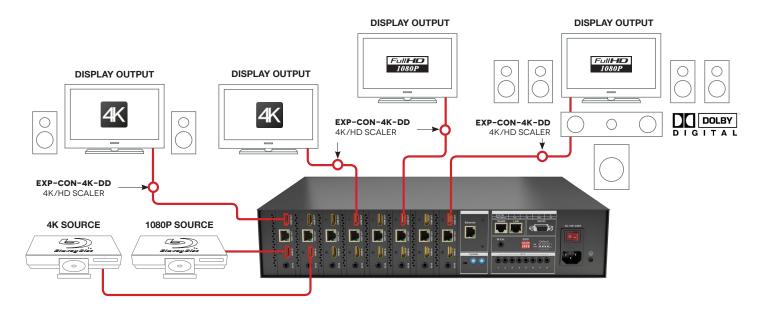
Input - 7m/22ft (4K), 10m/33ft (1080p) Output - 7m/22ft (4K), 10m/33ft (1080p)





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SPECIFICATIONS	
Dimensions (WxHxD):	65mm/2.55" x 23mm/0.9" x 77mm/3.03"
Weight:	105g
Operating Temperature Range:	0 to +35°C (32 to +95°F)
Operating Humidity Range:	5 to 90 % RH (no condensation)
Power Supply:	5v DC / 5W power supply (CE/FCC certified)
Power Consumption:	Max 1Amp @ 5V 5 Watts
Input:	HDMI V1.4a
Max Video Clock Speed:	Input: 300Mhz, Output: 300Mhz
Output:	HDMI V1.4a
Max Video Output Clock Speed:	300Mhz
Video Amplifier Bandwidth:	10.2Gbps
Video Impedance:	100Ω
Input Video Signal:	0.5 - 1.2V p-p
Input DDC Signal:	5 volts p-p (TTL)
Maximum Single Link Range:	2160/30 @ 24bit True Color - 1080/24p @ 36bit Deep Color
Transmission Distance:	Input - 7m/22ft (4K), 10m/33ft (1080p), Output - 7m/22ft (4K), 10m/33ft (1080p)
Max In/Out Resolution Supported:	Up to 4096 x 2160p @ 24/25/30Hz
Color Supported:	4K/24bit, 1080p/36bit
3D Supported:	Up to 1080/24p - Frame packing/sequential (Blu-ray), Interlaced stereoscopic
	(satellite/cable broadcasts)
Scale Video Up from:	1920x1080p @ 24/25/30Hz to 3840x2160p @ 24/25/30Hz
Scale Video Down from:	4096x2160p @24/25/30Hz to 1920x1080p @ 24/25/30Hz
Additional:	HDMI 2.0 4096 x 2160p 60Hz YCC 4:2:0 format pass-through
Audio Input Format:	5.1 Dolby Digital or 2ch Stereo PCM
Audio Output Format:	Passthrough or 2ch PCM with Downmix selected
ESD Protection:	±8 kV (Air-gap discharge) ±4 kV (Contact discharge)
Surge Protection:	IEC 61000-4-4 (EFT) 40A (5/50ns) IEC 61000-4-5 (Lightning) 25A (8/20µs)
Electrical Fast Transient/Burst:	Data communication cord:1 kV Power cord: 2 kV
Certification:	CE, FCC, RoHS, Dolby Digital



For product installation assistance and troubleshooting, find additional WyreStorm Express product information at wyrestorm.com