EXP-SP-0102-8K

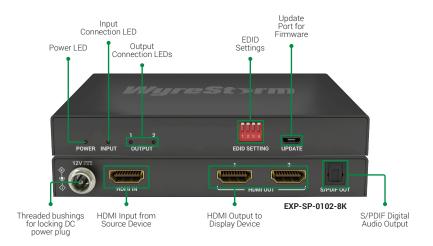*WyreStorm - Powerful. Reliable. Simple.*

Introduction

Our EXP-SP-0102-8K packs a punch as it is a powerful plug-and-play 8K HDMI splitter that has the ability to send uncompressed up to 8K@60Hz or 4K@120Hz up to two displays, but the most useful feature of this splitter is that the second output can scale content down from either 8K>4K or 4K>1080p! Furthermore, its compatible with DSC (Display Stream Compression) version 1.2a pass-through, an approved method of compression in accordance to the HDMI 2.1 specification, allowing up to a 10K@120Hz signal to be transmitted losslessly.

Audio distribution is no problem, our splitter gives you the tools to de-embed audio from your source; perfect if the source doesn't support audio de-embed. Here's a money saver; to enjoy 8K content, every device in-line requires HDMI 2.1 support and that includes expensive AVR systems. Don't ditch your HDMI 2.0 AVR just to distribute high-quality 7.1 audio! Just connect the second output of the splitter to the AVR and it will downscale the signal to be compatible while sending 8K content over the first output.

Don't forget to pair it with any of our CAB-HAOC-FRL's to further extend your 8K@60Hz signal — further than a 8K copper HDMI cable!

Key Features

- Uncompressed transmission of HDMI content up to 40Gbps:
  2K (2560 x 1440p) 240Hz
  4K (4096 x 2160p) 144Hz
  5K (5120 x 2880p) 60Hz
  8K (7680 x 4320p) 60Hz
  10K (10240x4320p) 120Hz (w/ DSC)
- Compatible with all Dynamic HDR and HDR standards:
  HLG (Hybrid Log Gamma)
  HDR-10 and HDR-10+
  Dolby Vision
  PQ (Perceptual Quantizer)
  SL-HDR-1
- A true plug-and-play HDMI splitter, supporting up to two 8K displays to one source

- Scale 8K>4K or 4K>1080p on output 2
- Smart EDID to encourage display compatibility
- HDCP 2.3 compliant
- DSC 1.2a passthrough
- Supports EDID management via DIP switches
- S/PDIF audio output from HDMI de-embed
- Supports up to 40Gbps FRL and 18Gbps TMDS
- FRL to TMDS and TMDS to FRL mode conversion
- Supports HDMI2.1 features such as QFT (Quick Frame Transport), QMS (Quick Media Switching), ALLM (Auto Low Latency Mode) and VRR (Variable Refresh Rate)
- Small compact size for discrete installations
- Mounting brackets included
- No single use plastic included* #SUPFree

In the Box

1x EXP-SW-0201-8K
1x DC 12V PSU (US, UK, EU, AU)
1x IR Receiver Cable

1x IR Remote
2x Mounting Brackets (with screws)
1x Quickstart Guide

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Specifications

Transmission	
Transmission Encoding	Uncompressed (with DSC 1.2a Pass-through between Source-Display when required)
End to End Latency	Zero
Max Transmission Bit Rate	40Gbps (4-core, 10Gbps per lane)

Video	
HDMI	TMDS (600MHz Maximum) | FRL (16b/18b encoding) | DSC 1.2a Supported
Input	1x HDMI: 19-pin type A Male
Output	2x HDMI: 19-pin type A Male
Maximum Data Rate	40 Gbps (FRL) | 18 Gbps (TMDS)
Video Resolutions (Max)	1920x1080p @240Hz 4096x2160p @144Hz 5120x2880p @60Hz 7680x4320p @60Hz 10240x4320p @120Hz w/DSC
Supported Standards	DCI | Static HDR | HDR10+ | Dolby Vision | HLG | SL-HDR1 | PQ | BT.2020 | BT.2100

Audio	
Audio Return Channel (ARC)	Supported
Audio Formats	2ch PCM | Multichannel LPCM | DTS-X | Dolby Atmos
Maximum Sampling Rate	192KHz
Maximum Audio Channels	32

Communication and Control		
HDMI	HDMI 2.1 | HDCP 2.3 | EDID | CEC (Pass-through) | VRR (Variable Refresh Rate) | ALLM (Auto Low Latency Mode) | FVA (Fast Vactive) | DVI/D supported with adapter (not included)	
IR	1x Front Panel Sensor	
Push Button	Front Panel Push Button	
RS-232	NA	1x 3-Pin Terminal Block

Power	
Power Supply	12V DC 1A
Max Power Consumption	3.5W

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
Humidity	10% to 90%, non-condensing
Maximum BTU	12 BTU/hr
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)

Dimensions and Weight	
Height	18mm/0.71in
Width	140mm/0.78in
Depth	80.2mm/3.16in
Weight	0.28kg/0.62lbs

Regulatory	
Safety and Emission	CE | FCC | RoHS | EAC