



4320p 60 HDMI 2.1 HDCP 2.3

WyreStorm - Powerful. Reliable. Simple.

Introduction

Our EXP-SW-0X01-8K is a powerful plug-and-play 8K HDMI switcher that has the ability to send uncompressed up to 8K@60Hz or 4K@120Hz resolutions to your display. This switcher also supports DSC 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.

this switcher also gives you the tools to de-embed audio from your source if there isn't an option on the source and also supports ARC from your display to send to send high quality 5.1 to your audio distribution system. Other features such as auto switching and CEC passthrough makes the EXP-SW-0X01-8K a true and powerful plug-and-play solution.

Don't forget, this switcher can be paired with any of our CAB-HAOC-FRL's to further extend your 8K@60Hz signal further than a standard 8K 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 switcher, supporting up to 4 or 2 8K sources to one screen
- HDCP 2.3 compliant
- Full CEC passthrough
- DSC 1.2a passthrough
- Supports EDID management via DIP switches
- S/PDIF audio output from HDMI de-embed or ARC
- Automatic or Manual switching
- 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)
- IR and RS-232 control supported
- No single use plastic included* #SUPFree

In the Box

- | | |
|-------------------------------------|------------------------------------|
| 1x EXP-SW-0201-8K or EXP-SW-0401-8K | 1x IR Remote |
| 1x DC 12V PSU (US, UK, EU, AU) | 2x Mounting Brackets (with screws) |
| 1x IR Receiver Cable | 1x Quickstart Guide |

Specifications

	EXP-SW-0201-8K	EXP-SW-0401-8K
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	2x HDMI: 19-pin type A Male	4x HDMI: 19-pin type A Male
Output	1x HDMI: 19-pin type A Male	1x 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	18mm/0.71in
Width	140mm/0.78in	200mm/7.87in
Depth	80.2mm/3.16in	90.2mm/3.55in
Weight	0.28kg/0.62lbs	0.45kg/0.99lbs
Regulatory		
Safety and Emission	CE FCC RoHS EAC	