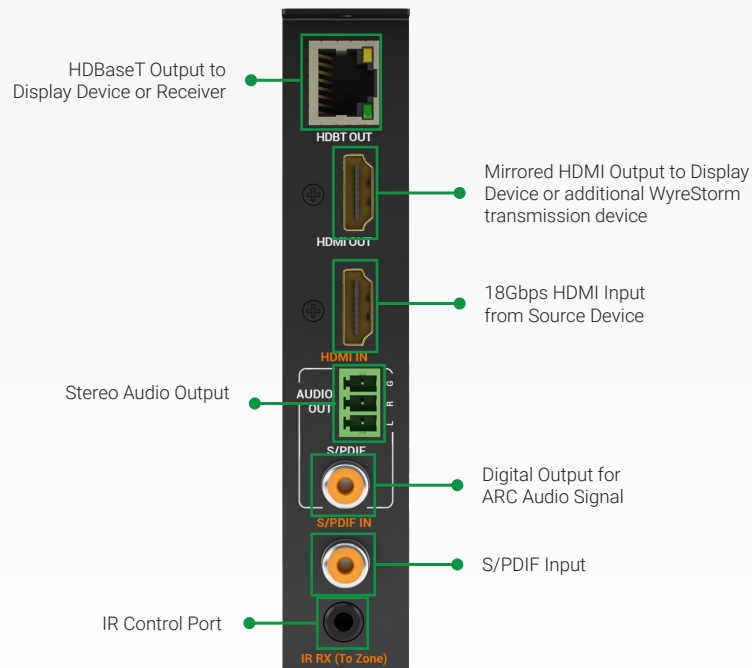


HDMI Input, HDBaseT™ Output and Mirrored HDMI with Audio Input, DSP Output and IR to zone (4K: 70m/230ft | 1080p: 100m/328ft)

TX-H2X-HDMI



Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

The standard Transmission card found in the H2X platform, the TX-H2X-HDMI transmits 4K UHD signals from 70m/230ft over its Class A HDBaseT™ output and features an HDMI output that mirrors HDBaseT™. The HDMI output is perfect for connecting to a local monitor, AVR, or signal extension via extender product or one of WyreStorm's Hybrid Active Optical Cables (HAOC).

Key Features

- 18Gbps HDMI input
- HDBaseT™ Output - Transmitting Class A HDBaseT™ which includes video, audio, control and power up to 70m/230ft of 4K and 100m/328ft of 1080p
- HDMI Output - Mirrored to HDBaseT™ to allow additional connection of a local display device, AVR or to extend with a hybrid active optical HDMI cable (HAOC)
- Stereo Audio Output - Offering stereo audio breakout of a zone with a 3-pin phoenix connector for analog audio
- S/PDIF output supporting 5.1 audio content de-embedded from sources or ARC from connected zones
- S/PDIF Audio Input - Another way to inject digital audio to take advantage of the H2X platform's powerful audio matrix and DSP.
- IR RX - Allows control signals to be sent to the sink device

In the Box

- 1x TX-H2X-HDMI Modular Card

Specifications

Audio and Video				
Inputs	1x HDMI In: 19-pin type A 1x HDMI Out: 19-pin type A 1x S/PDIF In: S/PDIF Coaxial Digital			
Outputs	1x HDBT Out: 8-pin RJ-45 Female 1x Audio Out: 3-pin Phoenix 1x S/PDIF Out: S/PDIF Coaxial Digital			
Output Video Encoding	HDBaseT Class A			
Encoding Data Rate	9.2Gbps			
End to End Latency	10µs (micro seconds)			
Audio Formats	S/PDIF: 2ch PCM Multichannel: Up to 5.1 DTS and Dolby Digital HDMI: 2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	Resoluton	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	1920x1080p @60Hz 16bit	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft	70m/230ft	100m/328ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/10ft	N/A	N/A
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	70m/230ft	100m/328ft
4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A	
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
Maximum Pixel Clock	HDMI: 600mHz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDCP 2.2 EDID DVI-D supported with adapter (not included)			
HDBaseT	HDMI HDCP 2.2 EDID 1-way PoH to Receiver IR RX to Receiver			
Ethernet	From Matrix - No Connection on card Bidirectional over HDBaseT			
IR	1x IR RX 3.5mm (1/8in) TRS Stereo To Receiver over HDBaseT			
RS-232	From Matrix - No Connection on card Bidirectional over HDBaseT			
ARC (Audio Return Channel)	Returns audio from displays built-in applications via ARC HDMI Input over HDBaseT (Requires ARC or SCL Receiver)			
Power				
Power Supply	Internal to Matrix			
PoH	48V 15.4W			
Max Power Consumption	Matrix Dependent			
Environmental				
Operating Temperature	Matrix Dependent			
Storage Temperature	Matrix Dependent			
Maximum BTU	Matrix Dependent			
Regulatory				
Safety and Emission	Matrix Dependent			

Right Product for the Right Application.

