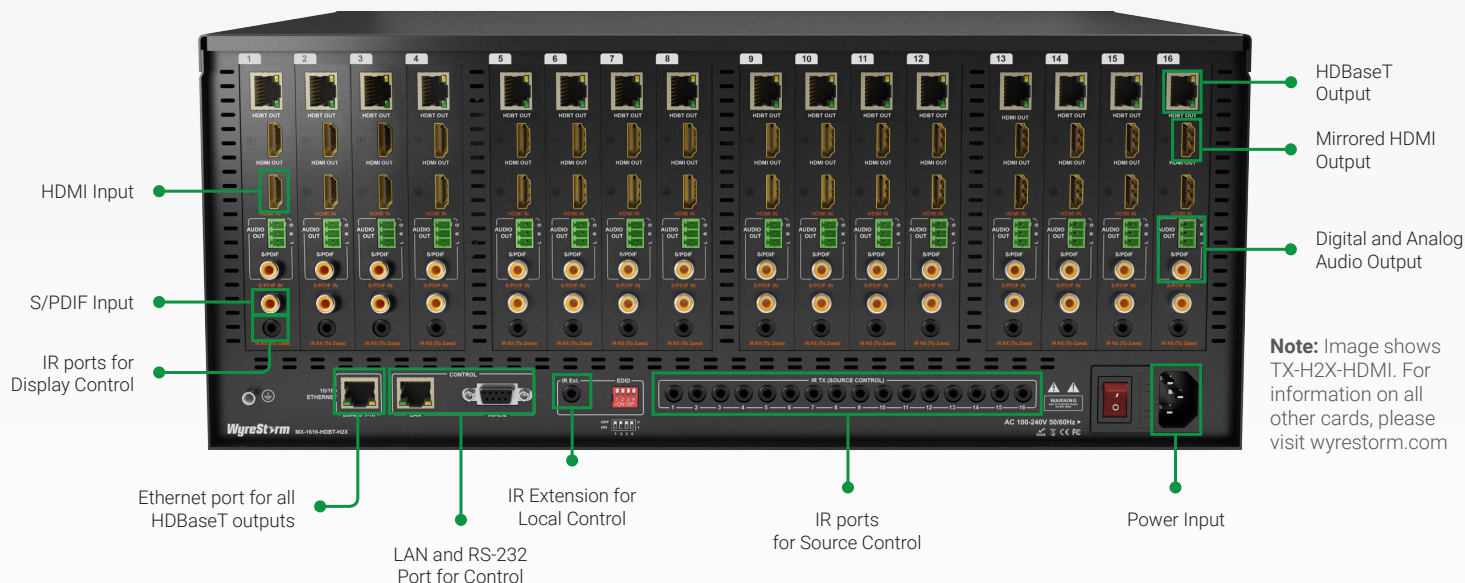


Custom 4K HDR Video Matrix with Audio Matrix & DSP

MX-1010-H2XC | MX-1616-H2XC

WyreStorm

Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

Because the H2X platform packs such a big punch with its standalone version, it wouldn't be sensible to not offer a modular version. Much like the 2K 16x16 modular matrix, WyreStorm takes custom AV distribution and control to new heights with the H2X platform. Giving integrators the utmost in switching and flexibility; for large projects that demand the latest in 4K HDR technology, while giving the integrator the freedom to choose exactly what goes into its chassis, making a perfect fit for the install. Fully utilizing the matrix, not your wallet.

Key Features

4K HDR with Extensive Audio Options

TX-H2X-HDMI

- 2160p 4:2:0 8-bit 60Hz to 70m/230ft
- HDBaseT transmission
- 10/16-input matrix backplane providing 18Gbps throughput to 10/16 outputs
- Audio matrix supports up to 48 audio inputs: ARC, HDMI de-embed and S/PDIF In
- Adjustable analog stereo pre-out with mirrored S/PDIF output
- Supports HDR-10, HLG and Dolby Vision HDR content

Decentralize Your Sources

TX-H2X-HDBT

- 2160p 4:2:0 8-bit 60Hz to 70m/230ft
- HDBaseT transmission
- Class A HDBaseT Input for decentralised sources

Visually Lossless 4K/60 4:4:4 Over HDBT

TX-H2X-VLC

- 2160p 4:4:4 or RGB 60Hz to 70m/230ft
- HDBaseT transmission with ARC from all zones

4K/60 4:4:4 Goes Further with Fiber

TX-H2X-OM3

- 2160p 4:4:4 or RGB 60Hz to 300m/984ft
- Transmission over duplex OM3 Multimode fibre
- 18Gbps HDMI Mirrored Output

- API generated control of displays via RS-232 or CEC
- Built-in diagnostic to monitor system and transmission performance
- Audio DSP allows adjustment of volume, EQ and delay for every audio zone
- SmartEDID™ dynamically resolves resolution conflicts when combining 2K/4K screens

In the Box

1x MX-1010-H2XC or MX-1616-H2XC
 1x Handheld IR Remote
 10/16x IR emitters
 10/16x IR Broadband Receiver (30KHz to 50KHz)
 1x IR Receiver (38KHz)
 10/16x 3-pin phoenix to stereo RCA sockets

1x AC Power Cord with US Plug
 1x AC Power Cord with UK Plug
 1x AC Power Cord with EU Plug
 1x USB to UART Serial Cable
 2x 4U Rack Ears and Screws
 1x Quickstart Guide

Specifications

Audio and Video					
Inputs	Up to 16x HDMI In19-pin type A Up to 16x HDBaseT In 8-pin RJ-45 female Up to 16x S/PDIF In Coaxial Digital				
Outputs	Up to 16x HDBaseT Out 8-pin RJ-45 female Up to 16x HDMI Out 19-pin type A (Mirrors HDBaseT) Up to 16x Optical Out: SFP+ Up to 16x S/PDIF Out Coaxial Digital Up to 16x Audio Out 3pin Phoenix Connector				
Output Video Encoding	HDBaseT Class A OM3 via SFP+				
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 Analog: 2ch				
Video Resolutions (Max)	Resolution	HDMI	Cat6	Cat6a/7	MM OM3
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft	300m/984ft
	1920x1080p @60Hz 16bit	7m/23ft	100m/328ft	100m/328ft	300m/984ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft	70m/230ft	100m/328ft	300m/984ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	70m/230ft	100m/328ft	300m/984ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/10ft	NA	NA	300m/984ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	70m/230ft	100m/328ft	300m/984ft
	4096x2160p @60Hz 8bit 4:4:4	7m/23ft	NA	NA	300m/984ft
Long Cable Mode Forced Resolution: 1920x1080p @60Hz 12bit		NA	140m/460ft	140m/460ft	NA
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	HDMI HDCP 2.2 EDID DVI/D supported with adapter (not included)				
HDBaseT	HDMI HDCP 2.2 EDID ARC 1-way PoH to Receiver Bidirectional IR and Ethernet				
Ethernet	1x 8-pin RJ-45 female Web UI IP Control Bidirectional over HDBaseT				
IR	1x IR Ext - 3.5mm (1/8in) TRS Stereo Matrix Control 10/16x IR RX - 3.5mm (1/8in) TRS Stereo 10/16x IR TX - 3.5mm (1/8in) TS Mono Transmits to over HDBaseT				
RS-232	Matrix Control Bidirectional over HDBaseT Firmware Updates				
Audio Return Channel (ARC)	Returns audio from displays built-in applications via ARC HDMI Input over HDBaseT				
Power					
Power Supply	100~240V AC 50/60Hz				
PoH	48V Each HDBT Outputs: 15.4W All Outputs: 95W				
Max Power Consumption	Default Configuration: 200W Note: Power Consumption increases by +11W for each optional TX-H2X-HDBT card installed. Max of 6 TX-H2X-HDBT cards can be used within a single matrix when using PoH.				
Environmental					
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing				
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing				
Maximum BTU	682 BTU/hr				
Dimensions and Weight					
	MX-1010-H2XC		MX-1616-H2XC		
Rack Units/Wall Box	4U		4U		
Height With Without Feet	183.1mm/7.22in 176mm/6.93in		183.1mm/7.22in 176mm/6.93in		
Width With Without Brackets	483mm/19.02in 440mm/17.33in		483mm/19.02in 440mm/17.33in		
Depth With Without Handles	420.7mm/16.57in 382.7mm/15.07in		420.7mm/16.57in 382.7mm/15.07in		
Weight	15.6kg/34.32lbs		15.6kg/34.32lbs		
Regulatory					
Safety and Emission	CE FCC RoHS				

Right Product for the Right Application.

