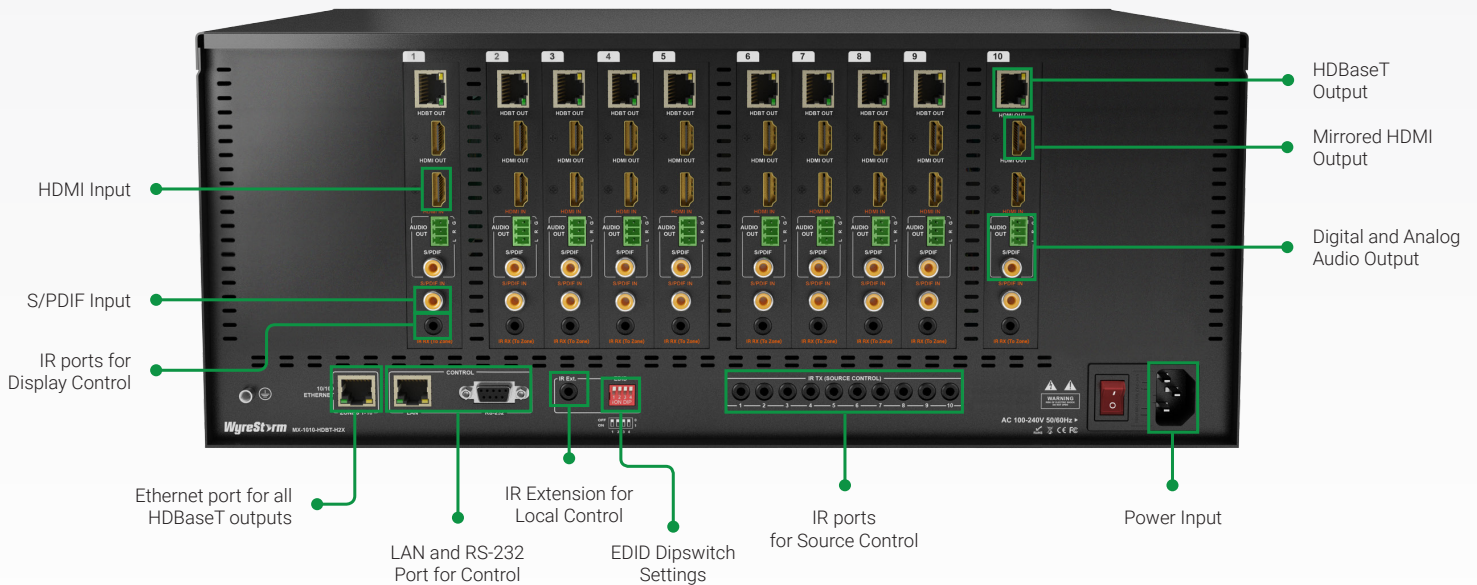


10x10 4K HDR HDBaseT™ Matrix Switcher including 30x10 Audio Matrix & DSP (4K: 70m/230ft | 1080p: 100m/328ft)

MX-1010-HDBT-H2X



Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

A significant step forward in HDBaseT™ Matrix Development offering centralized, Secure Audio/Video Signal Management & Distribution, ensuring zero latency and perfect AV synchronicity of all the latest HD & UHD formats. A range of accessory products offered.

Key Features

- 10x10+10 HDBaseT™ Class A 4K UHD matrix switcher featuring 10 zone video and integrated audio matrixing
- Modular platform with optional HDBaseT™ PoH Input card for connection and matrixing of remote sources throughout an installation – more modular cards options available Q2 2017
- 30-input audio matrix to 10 audio zones with HDMI de-embed, S/PDIF in and ARC
- 10 HDMI inputs giving 18Gb/s throughput to 10 HDMI outputs
- Supports 4K UHD content with 10-bit HDR to 70m/230ft or 1080p/60/48-bit to 100m/328ft
- AVR Priority mode for all HDMI and HDBaseT™ outputs
- CEC power triggering for all HDMI and HDBaseT™ outputs
- Source restriction of any source to any zone
- Completely independent A/V matrix platforms allowing real flexibility
- Built-in diagnostic to monitor system and transmission performance
- DSP allowing adjustment of Gain, EQ, delay and compression for every audio zone
- PoH to every zone powers ARC receivers
- Accessory devices to build large system infrastructures
- QuickSync™ technology for near instant switching
- SmartEDID™ feature dynamically solves mixed resolution conflicts when combining 2K/4K screens in the same installation Accessory devices to build large system infrastructures.

In the Box

- 1x MX-1010-HDBT-H2X HDBaseT Matrix Switcher
- 1x Handheld IR Remote
- 10x IR emitters
- 10x 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 10x HDMI In 19-pin type A 10x S/PDIF In Coaxial Digital																																				
Outputs	10x HDMI 19-pin type A (Mirrors HDBaseT) 10x HDBaseT 8-pin RJ-45 female 10x S/PDIF Out Coaxial Digital 10x Audio Out 3pin Phoenix Connector																																				
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 Analog: 2ch																																				
Video Resolutions (Max)	<table border="1"> <thead> <tr> <th>Resolution</th> <th>HDMI</th> <th>Cat6</th> <th>Cat6a/7</th> </tr> </thead> <tbody> <tr> <td>1920x1080p @60Hz 12bit</td> <td>15m/49ft</td> <td>100m/328ft</td> <td>100m/328ft</td> </tr> <tr> <td>1920x1080p @60Hz 16bit</td> <td>7m/23ft</td> <td>100m/328ft</td> <td>100m/328ft</td> </tr> <tr> <td>3840x2160p @24Hz 10bit 4:2:0 HDR</td> <td>3m/9.8ft</td> <td>70m/230ft</td> <td>100m/328ft</td> </tr> <tr> <td>3840x2160p @30Hz 8bit 4:4:4</td> <td>7m/23ft</td> <td>70m/230ft</td> <td>100m/328ft</td> </tr> <tr> <td>3840x2160p @60Hz 10bit 4:2:0 HDR</td> <td>3m/9.8ft</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>4096x2160p @60Hz 8bit 4:2:0</td> <td>7m/23ft</td> <td>70m/230ft</td> <td>100m/328ft</td> </tr> <tr> <td>4096x2160p @60Hz 8bit 4:4:4</td> <td>7m/23ft</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Long Cable Mode Forced Resolution: 1920x1080p @60Hz 12bit</td> <td>N/A</td> <td>140m/460ft</td> <td>140m/460ft</td> </tr> </tbody> </table>	Resolution	HDMI	Cat6	Cat6a/7	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft	1920x1080p @60Hz 16bit	7m/23ft	100m/328ft	100m/328ft	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/9.8ft	70m/230ft	100m/328ft	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	70m/230ft	100m/328ft	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/9.8ft	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	Long Cable Mode Forced Resolution: 1920x1080p @60Hz 12bit	N/A	140m/460ft	140m/460ft
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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 CEC DVI/D supported with adapter (not included)																																				
HDBaseT	HDMI HDCP 2.2 EDID CEC ARC 1-way PoH to Receiver Bidirectional IR and Ethernet																																				
Ethernet	1x 8-pin RJ-45 female 10/100Mbps Web UI IP Control Bidirectional over HDBaseT																																				
IR	1x IR Ext - 3.5mm (1/8in) TRS Stereo Matrix Control 10x IR RX - 3.5mm (1/8in) TRS Stereo 16x IR TX - 3.5mm (1/8in) TS Mono Transmits 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 Output: 15.4W All Outputs: 95W																																				
Max Power Consumption	Default Configuration: 290W 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	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing																																				
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing																																				
Maximum BTU	682 BTU/hr																																				
Dimensions and Weight																																					
Rack Units Wall Box	4U																																				
Height With Without Feet	183.1mm/7.22in 176mm/6.93in																																				
Width With Without Brackets	483mm/19.02in 440mm/17.33in																																				
Depth With Without Handles	420.7mm/16.57in 382.7mm/15.07in																																				
Weight	15.6kg/34.32lbs																																				
Regulatory																																					
Safety and Emission	CE FCC RoHS																																				

Right Product for the Right Application.

