

## Audio and Video

	Matrix	Receivers
<b>Inputs</b>	4x HDMI In: 19-pin type A	1x HDBT In: 8-pin RJ-45 Female
<b>Outputs</b>	4x Audio Out: RCA Female Stereo (L/R) 4x S/PDIF Out: RCA Female 4x HDBT Out: 8-pin RJ-45 Female	1x HDMI Out: 19-pin type A
<b>Output Video Encoding</b>	HDBaseT™ Class B	
<b>Encoding Data Rate</b>	9.2Gbps	
<b>End to End Latency</b>	10µs (micro seconds)	
<b>Audio Formats</b>	Analog: 2ch Analog S/PDIF: 2ch LPCM   Dolby Digital/DTS up to 5.1ch HDMI: 2ch LPCM   Multichannel up to Dolby Atmos and DTS-X	

Video Resolutions (Max)	Video Resolutions			
	HDMI	Cat6	Cat6a/7	
1920x1080p @60Hz 12bit	15m/49ft	60m/197ft	70m/230ft	
1920x1080p @60Hz 16bit	7m/23ft	35m/115ft	40m/131ft	
3840x2160p @24Hz 10bit	3m/10ft	35m/115ft	40m/131ft	
4:2:0 HDR	7m/23ft Input	35m/115ft	40m/131ft	
3840x2160p @30Hz 8bit	15m/49ft	35m/115ft	40m/131ft	
4:4:4	Output	35m/115ft	40m/131ft	
3840x2160p @60Hz 10bit	3m/10ft	35m/115ft	40m/131ft	
4:2:0 HDR	7m/23ft	35m/115ft	40m/131ft	
4096x2160p @60Hz 8bit	3m/10ft	35m/115ft	40m/131ft	
4:2:0				
4096x2160p @60Hz 8bit				
4:4:4				

**Note:** WyreStorm recommends the use of shielded category cable to minimize signal noise and interference.

<b>Supported Standards</b>	DCI   RGB   HDR   HDR10   Dolby Vision up to 30Hz   HLG   BT.2020   BT.2100
<b>Maximum Pixel Clock</b>	HDMI: 600MHz   HDBaseT: 297MHz

## Communication and Control

<b>HDMI</b>	HDMI 2.0   HDCP 2.2   EDID   CEC   DVI/D supported with adapter (not included)	
<b>HDBaseT</b>	HDMI 2.0   HDCP 2.2   EDID   CEC   1-way PoH   Bidirectional IR	
<b>CEC</b>	CEC power triggering for connected screens – Requires CEC compatibility	
<b>IR</b>	1x IR Ext: 3.5mm (1/8in) TRS Stereo 4x IR RX: 3.5mm (1/8in) TRS Stereo 4x IR TX: 3.5mm (1/8in) TS Mono Bidirectional over HDBaseT	1x IR TX: 3.5mm (1/8in) TS Mono 1x IR RX: 3.5mm (1/8in) TRS Stereo Bidirectional over HDBaseT

<b>RS-232</b>	1x RS-232: 9-pin DB9 Female	1x RS-232: 3-pin Terminal Block - 3.5mm
<b>Ethernet</b>	1x LAN: 8-pin RJ-45 Female	N/A

## Power

<b>Power Supply</b>	100~240V AC 50/60Hz	18V DC (Optional)
<b>PoH</b>	1-way Matrix to Receiver	
<b>Max Power Consumption</b>	85W with 4 RXs Connected via PoH	8W with External PSU each receiver 12.5W via PoH each receiver

## Environmental

<b>Operating Temperature</b>	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing	
<b>Storage Temperature</b>	-4°F to ~ 158°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing	
<b>Maximum BTU</b>	290 BTU/hr	28 BTU/hr with External PSU each receiver 43 BTU/hr via PoH each receiver

## Dimensions & Weight

<b>Rack Units</b>	1U	<1U
<b>Height</b>	43.5mm/1.72in	15.2mm/0.6in
<b>Width</b>	440mm/17.33in	136.4mm/5.38in
<b>Depth</b>	300mm/11.82in	74.2mm/2.93in
<b>Weight</b>	4.06kg/8.93lbs	0.24kg/0.53lbs

## Regulatory

<b>Safety and Emission</b>	CE   FCC   RoHS   RCM	
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