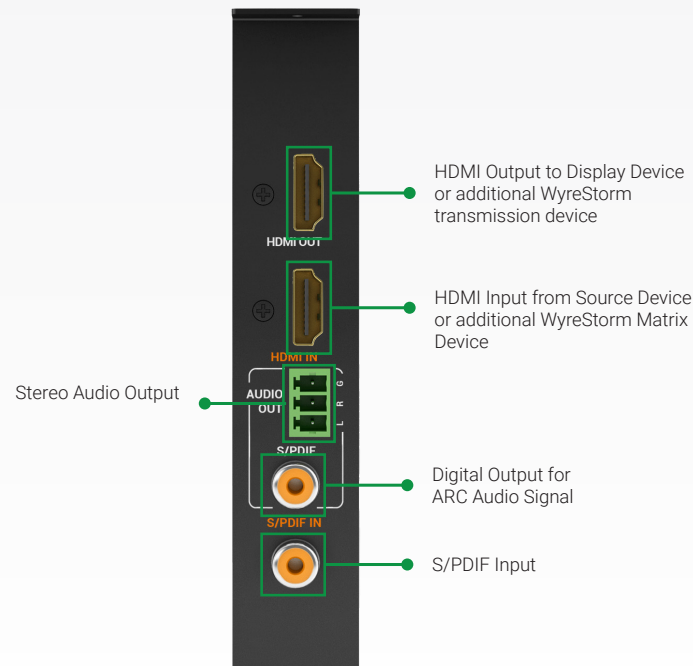


# 4K HDR 4:4:4 60Hz HDMI Input & Switched Output Card for H2XC Chassis with Audio Input and DSP Zone Output

**TX-H2X-ADZ**

**WyreStorm**

**Specification Sheet**



4K HDR HDMI ARC HDCP 2.2

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## Introduction

Offering both an HDMI input & output, the ADZ card provides an 18Gbps link direct to the matrix backplane. Supporting both 2160p 4:4:4 8-bit & HDR content and multi-channel audio formats up to Dolby Atmos, it offers the ability to use native HDMI connectivity without the need for a transmission port (reducing cost) and maintains an audio DSP output. It is the perfect partner for WyreStorm's range of hybrid optical fibre HDMI cables.

## Key Features

- 18Gbps HDMI input to matrix backplane
- Switched HDMI output capable of 2160p 4:4:4 and HDR @ 60Hz
- Audio zone output: Analogue stereo pre-out with mirrored S/PDIF output
- Separate S/PDIF input for additional audio source
- Adds additional audio zone + DSP to an H2XC chassis
- Supports 4K/60 4:4:4 or RGB content
- Compatible with all HDR standards such as HDR-10, HLG and Dolby Vision
- Passes all audio formats including DTS:X and Dolby Atmos
- Cost-effective pure HDMI card aligns perfectly with WyreStorm Active Optical HDMI cables

## In the Box

1x TX-H2X-ADZ Modular Card

# Specifications

| Audio and Video  |   |             |
|--|---|-------------|
| <b>Inputs</b>  | 1x HDMI In: 19-pin type A   1x S/PDIF In: S/PDIF Coaxial Digital  |             |
| <b>Outputs</b>   | 1x HDMI Out: 19-pin type A   1x Audio Out: 3-pin Terminal Block - 3.5mm   1x S/PDIF Out: S/PDIF Coaxial Digital                       |             |
| <b>Output Video Encoding</b>   | NA  |             |
| <b>Encoding Data Rate</b>  | NA  |             |
| <b>End to End Latency</b>  | NA  |             |
| <b>Audio Formats</b>   | S/PDIF: 2ch PCM   Multichannel: Up to 5.1 DTS and Dolby Digital<br>HDMI: 2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos |             |
| <b>Video Resolutions (Max)</b>   | <b>Resoluton</b>  | <b>HDMI</b> |
|  | 1920x1080p @60Hz 12bit  | 15m/49ft    |
|  | 3840x2160p @24Hz 10bit 4:2:0 HDR  | 7m/23ft     |
|  | 3840x2160p @30Hz 8bit 4:4:4   | 7m/23ft     |
|  | 3840x2160p @60Hz 10bit 4:2:0 HDR  | 5m/16ft     |
|  | 3840x2160p @60Hz 12bit 4:2:2 HDR  | 3m/10ft     |
|  | 4096x2160p @60Hz 8bit 4:2:0   | 7m/23ft     |
|  | 4096x2160p @60Hz 8bit 4:4:4   | 3m/10ft     |
| 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  |             |
| Communication and Control  |   |             |
| <b>HDMI</b>  | HDCP 2.2   EDID   CEC   DVI-D supported with adapter (not included)   |             |
| <b>CEC</b>   | CEC power triggering   Requires CEC compatibility   |             |
| Power  |   |             |
| <b>Power Supply</b>  | Internal to Matrix  |             |
| <b>Max Power Consumption</b>   | Matrix Dependent  |             |
| Environmental  |   |             |
| <b>Operating Temperature</b>   | Matrix Dependent  |             |
| <b>Storage Temperature</b>   | Matrix Dependent  |             |
| <b>Maximum BTU</b>   | Matrix Dependent  |             |
| Regulatory   |   |             |
| <b>Safety and Emission</b>   | Matrix Dependent  |             |

*Right Product for the Right Application.*

