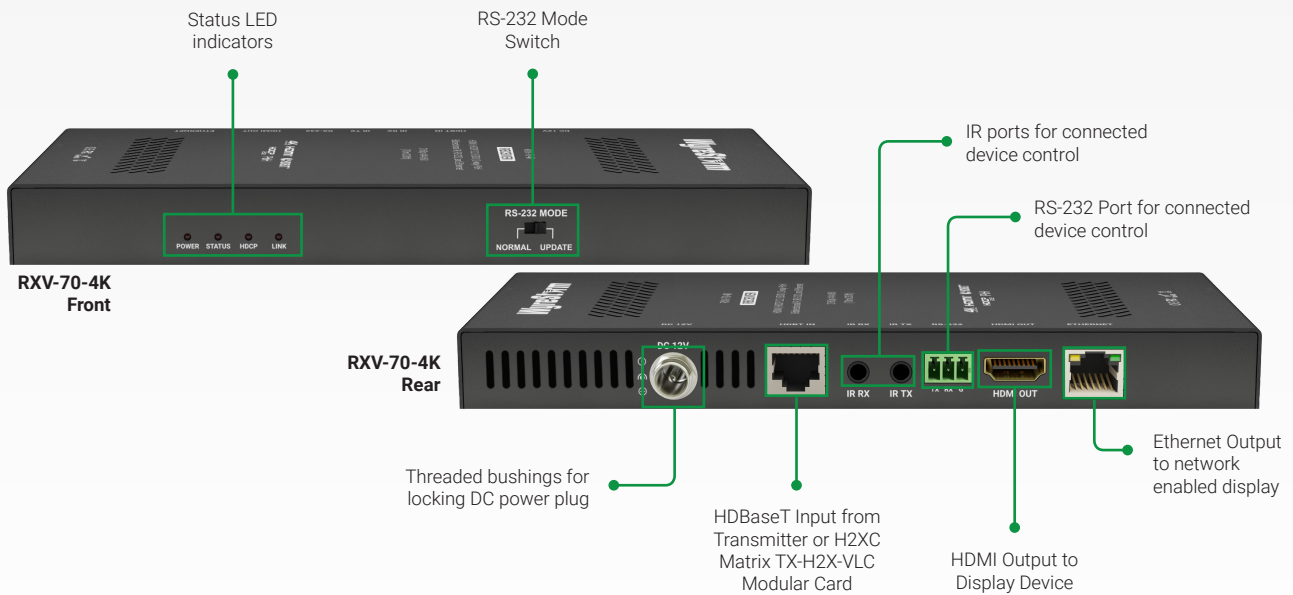


# 18Gbps HDMI-Over-HDBaseT™ Receiver (2160p 4:4:4/60: 70m/230ft | 1080p: 100m/328ft)

**RXV-70-4K**

# WyreStorm®

## Specification Sheet



WyreStorm - Because the Technology Matters.

## Introduction

Consumer HDMI content is now breaking through the once comfortable HDBaseT “ceiling” of 10Gbps, with HFR (High Frame Rate) HDR here already in the form of Blu-ray, Satellite & Cable (HLG) and gaming content. WyreStorm’s H2XC matrix platform is ready for this, with this receiver being the perfect match for the TX-H2X-VLC modular card, using our new light-compression transmission solution.

## Key Features

- Reliable HDBaseT-HDMI conversion over distance using single Cat6 cable
- 4K UHD signals up to 70m/230ft (2160p 4:4:4 60Hz 8-bit) and 2K signals up to 140m/459ft (1200p 60Hz 16-bit)
- Supports HDMI2.0 video standard up to 18Gbps
- Compatible with HDR standards including HDR-10, HDR-10+, HLG and Dolby Vision (Dolby Vision supported up to 30Hz)
- Class A HDBaseT™ supporting the transmission of video, multichannel audio, Ethernet, bidirectional control and PoH
- Powered remotely via PoH from H2XC matrix
- HDCP 2.2 compatible
- Bidirectional IR supported with both IR TX & RX ports
- RS-232 port for routed 2-way serial communication
- Supports Ethernet pass-through from matrix (Class A HDBaseT transmission only)
- LED indication for HDCP presence within signal and transmission link between devices
- Ventilated steel chassis
- Conforms to IEEE-568B standards
- Compact design for convenient and unobtrusive installation
- Wall mounting brackets and IR accessories included

## In the Box

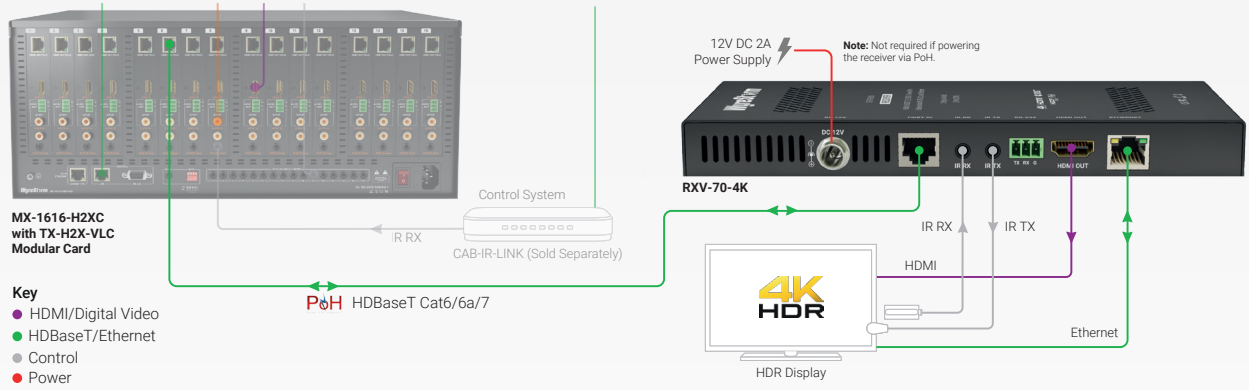
1x RXV-70-4K Receiver  
1x IR Emitter  
1x IR Receiver

2x Mounting Brackets  
1x 3-pin Screw Down Phoenix Connector  
1x Quickstart Guide

# Specifications

|                                      |  |             |             |                |
|--------------------------------------|--|-------------|-------------|----------------|
| <b>Audio and Video</b>               |  |             |             |                |
| <b>Inputs</b>                        | 1x HDBT In: 8-pin RJ-45 Female   |             |             |                |
| <b>Outputs</b>                       | 1x HDMI Out: 19-pin type A   |             |             |                |
| <b>Input Video Encoding</b>          | HDBaseT Class A  |             |             |                |
| <b>Encoding Data Rate</b>            | 9.2Gbps  |             |             |                |
| <b>End to End Latency</b>            | 10µs (micro seconds)   |             |             |                |
| <b>Audio Formats</b>                 | 2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos                                     |             |             |                |
| <b>Video Resolutions (Max)</b>       | <b>Resolution</b>  | <b>HDMI</b> | <b>Cat6</b> | <b>Cat6a/7</b> |
|                                      | 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     | 70m/230ft   | 100m/328ft     |
|                                      | 4096x2160p @60Hz 8bit 4:2:0  | 7m/23ft     | 70m/230ft   | 100m/328ft     |
|                                      | 4096x2160p @60Hz 8bit 4:4:4  | 7m/23ft     | 70m/230ft   | 100m/328ft     |
| <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   |             |             |                |
| <b>Communication and Control</b>     |  |             |             |                |
| <b>HDMI</b>                          | HDCP 2.2   EDID   CEC   DVI-D supported with adapter (not included)                              |             |             |                |
| <b>HDBaseT</b>                       | HDMI   HDCP 2.2   EDID   CEC   1-way PoH to Receiver   Bidirectional IR                          |             |             |                |
| <b>CEC</b>                           | CEC Pass-through – Requires CEC compatibility between source and display                         |             |             |                |
| <b>Ethernet</b>                      | 1x Ethernet: 8-pin RJ-45 Female   Bidirectional over HDBaseT                                     |             |             |                |
| <b>IR</b>                            | 1x IR RX 3.5mm (1/8in) TRS Stereo   1x IR TX: 3.5mm (1/8in) TS Mono   Bidirectional over HDBaseT |             |             |                |
| <b>RS-232</b>                        | 1x RS-232: 3-pin Phoenix   Bidirectional over HDBT   |             |             |                |
| <b>Power</b>                         |  |             |             |                |
| <b>Power Supply</b>                  | 12V DC 2A  |             |             |                |
| <b>PoH</b>                           | 48V 15.4W  |             |             |                |
| <b>Max Power Consumption</b>         | 8.68W  |             |             |                |
| <b>Environmental</b>                 |  |             |             |                |
| <b>Operating Temperature</b>         | 0 ~ +45°C (32 ~ +113 °F)   10% ~ 90% non-condensing  |             |             |                |
| <b>Storage Temperature</b>           | -20 ~ +70°C (-4 ~ +158 °F)   10% ~ 90% non-condensing  |             |             |                |
| <b>Maximum BTU</b>                   | 29.6 BTU/hr  |             |             |                |
| <b>Dimensions and Weight</b>         |  |             |             |                |
| <b>Rack Units   Wall Box</b>         | <1U  |             |             |                |
| <b>Height With   Without Feet</b>    | 20.5mm/0.81in   20mm/0.79in  |             |             |                |
| <b>Width With   Without Brackets</b> | 193mm/7.6in   150mm/5.91in   |             |             |                |
| <b>Depth With   Without Handles</b>  | 74.4mm/2.93in   74.4mm/2.93in  |             |             |                |
| <b>Weight</b>                        | 0.4kg/0.88lbs  |             |             |                |
| <b>Regulatory</b>                    |  |             |             |                |
| <b>Safety and Emission</b>           | CE   FCC   RoHS  |             |             |                |

# Right Product for the Right Application.



**Note:** WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.