**18Gbps HDMI-Over-HDBaseT™ Receiver**

**(2160p 4:4:4/60: 70m/230ft | 1080p: 100m/328ft)**

**RXV-70-4K**

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**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

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**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

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**WyreStorm - Because the Technology Matters.**

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**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.
### Audio and Video

#### Inputs
- 1x HDBT In: 8-pin RJ-45 Female

#### Outputs
- 1x HDMI Out: 19-pin type A

#### Input Video Encoding
- HDBaseT Class A

#### Encoding Data Rate
- 9.2Gbps

#### End to End Latency
- 10μs (micro seconds)

#### Audio Formats
- 2ch PCM | Multichannel: LPCM and Up to DTS-X and Dolby Atmos

### Video Resolutions (Max)

<table>
<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>70m/230ft</td>
<td>100m/328ft</td>
</tr>
<tr>
<td>3840x2160p @24Hz 10bit 4:2:0 HDR</td>
<td>3m/10ft</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/10ft</td>
<td>70m/230ft</td>
<td>100m/328ft</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>
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</tr>
</tbody>
</table>

### 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
- HDCP 2.2 | EDID | CEC | DVI-D supported with adapter (not included)

#### HDBaseT
- HDMI | HDCP 2.2 | EDID | CEC | 1-way PoH to Receiver | Bidirectional IR

#### CEC
- CEC Pass-through – Requires CEC compatibility between source and display

#### Ethernet
- 1x Ethernet: 8-pin RJ-45 Female | Bidirectional over HDBaseT

#### IR
- 1x IR RX 3.5mm (1/8in) TRS Stereo | 1x IR TX: 3.5mm (1/8in) TS Mono | Bidirectional over HDBaseT

#### RS-232
- 1x RS-232: 3-pin Phoenix | Bidirectional over HDBT

### Power

#### Power Supply
- 12V DC 2A

#### PoH
- 48V 15.4W

#### Max Power Consumption
- 8.68W

### Environmental

#### Operating Temperature
- 0 ~ +45°C (32 ~ +113 °F) | 10% ~ 90% non-condensing

#### Storage Temperature
- -20 ~ +70°C (-4 ~ +158 °F) | 10% ~ 90% non-condensing

#### Maximum BTU
- 29.6 BTU/hr

### Dimensions and Weight

#### Rack Units | Wall Box
- <1U

#### Height With | Without Feet
- 20.5mm/0.81in | 20mm/0.79in

#### Width With | Without Brackets
- 193mm/7.6in | 150mm/5.91in

#### Depth With | Without Handles
- 74.4mm/2.93in | 74.4mm/2.93in

#### Weight
- 0.4kg/0.88lbs

### Safety and Emission
- 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.