**HDBaseT™ 4K UHD Transmitter**  
(4K: 70m/230ft | 1080p: 100m/328ft)  
**TX-70-4K**

**Specification Sheet**

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**WyreStorm - Because the Technology Matters.**

**Introduction**

For flagship HDBaseT Transmission performance, look no further than the TX-70-4K. Class A HDBaseT transmission means support for 4K UHD content; even HDR-10 @24Hz, up to 70m/230ft. 2-way PoH and EDID management completes this fully-loaded specification.

**Key Features**

- Low profile chassis of 18mm / 0.7” for easier, more convenient installations in tight spaces.
- Transmits discrete wide-band bidirectional IR control signal / routed serial commands (from compatible matrix) together within the HDMI signal over a single Cat5e/6
- Robust Class A HDBaseT™ transmission technology for stable 4K/HD distribution and control resistant to electrostatic and environmental interference compared to conventional UTP transmission
- Distribution of video (4K & 1080p), multichannel audio, bidirectional IR, PoH power and 10/100 Ethernet over single Cat5e/6
- Multichannel audio supports 7.1 DTS Master HD and Dolby True HD
- HDMI v2.0 with HDCP 2.2
- Full 3D compatibility up to 1080p
- Switchable RS-232 selection for firmware update
- Power options - additional phoenix port and threaded DC for use of both standard and locking DC power plugs
- Visual LED indication for power supply, signal status to show display connection, HDCP in signal and Link between HDBaseT™ devices
- Automatically adjusts feedback, equalization and amplification of signal
- Energy efficient universal power supplies included
- Mounting brackets and IR connections included

**In the Box**

- 1x TX-70-4K Transmitter
- 1x 2-pin Phoenix Connectors
- 1x 3-pin Phoenix Connectors
- 1x Wide-band IR Emitters
- 1x Wide-band IR Receivers (30-50KHz)
- 2x Mounting Brackets (1pr for TX and 1pr for RX)
- 1x Quickstart Guide

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**TX-70-4K Specification Sheet | 180420**
## Specifications

### Audio and Video

#### Inputs
- 1x HDMI In: 19-pin HDMI type A female

#### Outputs
- 1x HDBaseT Out: 8-pin RJ-45 female

#### Output Video Encoding
- HDBaseT Class A

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

#### Video Resolutions (Max)

<table>
<thead>
<tr>
<th>Format</th>
<th>HDMI</th>
<th>Cat6/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolutions</td>
<td>1920x1080p @60Hz 12bit (15m/50ft)</td>
<td>1920x1080 @60Hz 12bit (100m/328ft)</td>
</tr>
<tr>
<td>Max Bit Rate</td>
<td>3840x2160p @30Hz 4:4:4 8bit (7m/23ft)</td>
<td>3840x2160p @30Hz 4:4:4 8bit (100m/328ft)</td>
</tr>
<tr>
<td>HDR 10bit</td>
<td>4096x2160p @60Hz 8bit 4:2:0/4:4:4 (7m/23ft)</td>
<td>4096x2160p @60Hz 4:2:0 8bit (100m/328ft)</td>
</tr>
</tbody>
</table>

#### Color Depth
- 1080p: 12bit

#### Maximum Pixel Clock
- 297MHz

### Communication and Control

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

#### HDBaseT
- HDMI | HDCP 2.2 | EDID | 2-way PoH | Bidirectional IR, RS-232, and Ethernet

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

#### RS-232
- 1x 3-pin Screw Down Phoenix Connector | Bidirectional over HDBaseT

#### Ethernet
- 1x 8-pin RJ-45 female | 10/100 Mbps auto-negotiating | Bidirectional over HDBaseT

### Power

#### Power Supply
- Input: 100~240V AC 50/60Hz | Output: 12V DC 2A

#### Max Power Consumption
- 26.5W

#### PoH
- 48V 15.4W

### 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
- 90.42 BTU/hr

### Dimensions and Weight

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

#### Height With | Without Feet
- 24.9mm/0.99in

#### Width With | Without Brackets
- 220mm/8.67in

#### Depth With | Without Handles
- 89.9mm/3.54in

#### Weight
- 0.52kg/1.14lbs

### Regulatory

#### Safety and Emission
- CE | FCC | RoHS

### Right Product for the Right Application.

![Diagram of TX-70-4K](image.png)

MX-1616-HDBT-H2X with TX-H2X-HDBT Card

Key: □ HDMI/Digital Video  ● HDBaseT/Ethernet  ● IR  ● Power