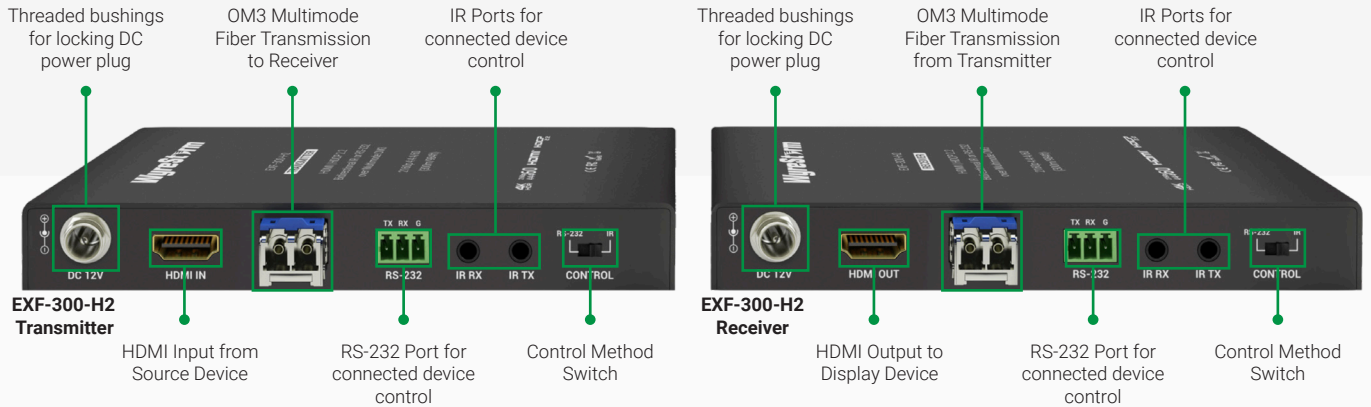


# 18Gbps 4K HDR OM3 Multi-Mode Fiber Extender with HDCP 2.2 and Bidirectional IR or RS-232

EXF-300-H2

**WyreStorm**  
Specification Sheet



4K HDR 2160p 4:4:4/60 HDMI HDCP 2.2

WyreStorm - Because the Technology Matters.

## Introduction

WyreStorm's first fiber-optical extender, ensuring perfect transmission of 18Gbps HDMI signals to 300m/984ft. The EXF-300-H2, is compatible with 2160p 4:4:4/60 or high frame rate HDR content with HDCP 2.2 encryption and will send it via a 10G OM3 multi-mode cable, without any effect from EM or RF interference along the way.

## Key Features

- Extends 18Gbps HDMI transmissions using multimode fiber up to 300m/984ft
- Compatible with the latest HDR-10 content and 4K/60 4:4:4
- HDCP 2.2 compliant
- Passes IR or RS-232 control signals bidirectionally
- Ideal for long distance transmission in environments with high-levels of EM or RF interference

## In the Box

1x EXF-300-H2 Transmitter  
1x EXF-300-H2 Receiver  
2x 12v DC Power Supplies  
1x IR Emitter

1x IR Receiver (30KHz ~ 50KHz)  
2x Male Phoenix Connector  
4x Mounting Brackets  
1x Quickstart Guide

Specifications

| Audio and Video               |                                                                                               |          |                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------|----------|-------------------------------------|
|                               | Transmitter                                                                                   |          | Receiver                            |
| Inputs                        | 1x HDMI: 19-pin type A                                                                        |          | 1x OM3 In: SFP+ Fiber LC Connection |
| Outputs                       | 1x OM3 Out: SFP+ Fiber LC Connection                                                          |          | 1x HDMI: 19-pin type A              |
| Output Video Encoding         | TMDS over fiber                                                                               |          |                                     |
| Encoding Data Rate            | 10Gbps                                                                                        |          |                                     |
| Audio Formats                 | 2ch Analog/PCM   Multichannel: LPCM and Up to Dolby TrueHD and DTS-HD Master Audio            |          |                                     |
| Video Resolutions (Max)       | Resolution                                                                                    | HDMI     | MM OM3                              |
|                               | 1920x1080p @60Hz 12bit                                                                        | 15m/49ft | 300m/984ft                          |
|                               | 1920x1080p @60Hz 16bit                                                                        | 7m/23ft  | 300m/984ft                          |
|                               | 3840x2160p @24Hz 10bit 4:2:0 HDR                                                              | 3m/10ft  | 300m/984ft                          |
|                               | 3840x2160p @30Hz 8bit 4:4:4                                                                   | 7m/23ft  | 300m/984ft                          |
|                               | 3840x2160p @60Hz 10bit 4:2:0 HDR                                                              | 3m/10ft  | 300m/984ft                          |
|                               | 4096x2160p @60Hz 8bit 4:2:0                                                                   | 7m/23ft  | 300m/984ft                          |
|                               | 4096x2160p @60Hz 8bit 4:4:4                                                                   | 7m/23ft  | 300m/984ft                          |
| Supported Standards           | DCI   RGB   HDR   HDR10   Dolby Vision up to 30Hz   HLG   BT.2020   BT.2100                   |          |                                     |
| Maximum Pixel Clock           | 600MHz                                                                                        |          |                                     |
| Communication and Control     |                                                                                               |          |                                     |
| HDMI                          | HDMI   HDCP 2.2   EDID   DVI/D supported with adapter (not included)                          |          |                                     |
| Fiber Multimode               | HDMI   HDCP 2.2   EDID                                                                        |          |                                     |
| IR                            | 1x IR RX: 3.5mm (1/8in) TRS Stereo   1x IR TX: 3.5mm (1/8in) TS Mono   Bidirectional over OM3 |          |                                     |
| RS-232                        | 1x RS-232: 3-pin Phoenix   Bidirectional over OM3                                             |          |                                     |
| Power                         |                                                                                               |          |                                     |
| Power Supply                  | 12V DC .5A                                                                                    |          |                                     |
| Max Power Consumption         | 4W                                                                                            |          |                                     |
| 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                   | 14 BTU/hr                                                                                     |          |                                     |
| Dimensions and Weight         |                                                                                               |          |                                     |
| Rack Units   Wall Box         | <1U                                                                                           |          |                                     |
| Height With   Without Feet    | 20mm/0.79in                                                                                   |          |                                     |
| Width With   Without Brackets | 150mm/5.91in                                                                                  |          |                                     |
| Depth With   Without Handles  | 74.4mm/2.93in                                                                                 |          |                                     |
| Weight                        | 0.3kg/0.66lbs <b>Regulatory</b>                                                               |          |                                     |
| Safety and Emission           | CE   FCC   RoHS                                                                               |          |                                     |

Right Product for the Right Application.

