



WyreStorm - Powerful. Reliable. Simple.

Introduction

Introducing the RX3-100, an uncompressed 18G HDBaseT 3.0 receiver that achieves signal transmission up to 100m/328ft at 4K@60Hz via Cat.6A cable. With HDBaseT 3.0, experience USB data transfers of up to 300Mbps, nearly doubling HDBaseT 2.0's capability of 190Mbps. This heightened capacity supports high-speed connections to 4K webcams, whiteboards, and data drives. The RX3-100 seamlessly pairs with any of WyreStorm's HDBaseT 3.0 transmitter options, such as the SW-120-TX3 and SW-120-TX3-Ux for a powerful switching extender solution!

Key Features

- HDBaseT 3.0 Receiver supporting:
- Uncompressed content up to 4K@60Hz 4:4:4 8bit
- HDCP 2.3 encryption technology ensuring compatibility with the latest 4K UHD content and sources
- HD Multichannel audio up to DTS:X and Dolby Atmos via HDMI
- Compatible with DVI-I and DP++ v1.3 signals from compatible devices
- USB 2.0 passthrough offering 300Mbps transfer and HID extension
- Features 3 USB device ports
- Supports independent lane analog audio pass-through from transmitter to receiver
- Supports analog audio de-embed from HDMI output
- Bidirectional RS-232 and CEC pass-through communication
- Backwards compatible with HDBaseT 1.0 transmission and receiving devices (lowest denominator takes priority)
- Bidirectional PoH

In the Box

- 1x RX3-100 HDBaseT 3.0 Receiver
 - 1x 3-pin Terminal Block
 - 4x Wall Mounting Brackets
 - 4x Mounting Screws
 - 1x 20V 3A PSU*
 - 1x Quickstart Guide
- *Does not support USB-C charging on TX

Specifications

Audio and Video	
Inputs	1 x HDBT In: 8-pin RJ45 3x Type A (Device) 1x RS-232: 3-pin Phoenix
Outputs	1x HDMI Out: 19-pin Type A Female 1x Audio Out 3.5mm (1/8in) TRS Stereo 1x Line Out 2ch audio over HDBaseT 1-way from TX
Max Video Resolution	1920x1080p @60Hz 12bit 3840x2160 @60Hz 4:4:4 8bit
Output Video Encoding	Format: HDBT Encoding Data Rate: 18Gbps End to End Latency: 10µs (microseconds)
Audio Formats	HDMI Out: 2ch Analog/PCM Multichannel: LPCM up to DTS-X and Dolby Atmos Audio Out/De-embed: 2ch Analog/PCM
Supported Standards	DCI RGB HDR10 Dolby Vision HLG BT.2020 BT.2100
Maximum Pixel Clock	600Mhz
Communication and Control	
HDMI	HDMI HDCP 2.3 EDID CEC Pass-through
HDBaseT	HDMI USB HDCP 2.3 EDID 2-way PoH Bidirectional RS-232 CEC
USB	3x Type A (Device) Maximum uplink speed: 300Mbps
RS-232	1x RS-232: 3-pin Phoenix
Power Supply	20V DC 3A (Sold separately)
Power Consumption	10.92w
Environmental	
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
Maximum BTU	3.41 BTU/hr
Height	25mm/1in
Width	230mm/9in
Depth	110mm/4.3in
Weight	0.36kg/.79lbs
Safety and Emission	CE FCC RoHS RCM EAC UKCA

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