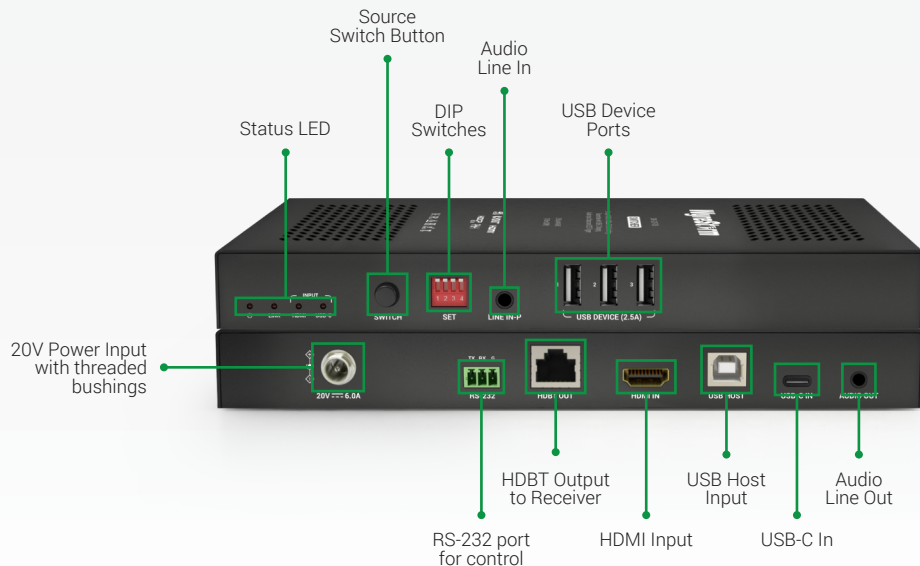


Synergy™ 2-input 4K60Hz HDBaseT™ 3.0 Switching Transmitter with USB-C Charging, Audio Input/Output and CEC Trigger

SW-120-TX3

WyreStorm
Specification Sheet



WyreStorm - Powerful. Reliable. Simple.

Introduction

2 inputs and powerful HDBaseT 3.0 transmission result in this powerful switching transmitter, perfect for higher education classroom/lecture hall and corporate environments. Automatic or manual switching of HDMI or USB-C and CEC power triggering via HDBaseT means a simple user experience when it matters most. Further functionality allows USB devices to be routed back to the source via USB host (or natively via USB-C) alongside 3 additional USB device ports locally available for a total of 6 devices that can simultaneously be used in conjunction with each input. Rounding out its long feature list, the SW-120-TX3 boasts 60 watts of charging over the connected USB-C device.

Key Features

- HDBaseT 3.0 Switching Transmitter supporting:
- Uncompressed content up to 5120x2160 @60Hz 4:2:0
- 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 USB-C charging of up to 60 watts (with compatible PSU, not included)
- Supports independent analog audio lane (pass-through) transmitter to receiver
- Bidirectional RS-232 and CEC pass-through communication
- Shared RS-232 port; API control or passthrough to RX
- Backwards compatible with HDBaseT 1.0 transmission and receiving devices (lowest denominator takes priority)
- Bidirectional PoH

In the Box

- 1x SW-120-TX3 HDBaseT 3.0 Transmitter
- 1x 3-pin Terminal Block
- 1x 2m USB-C to USB-C Cable with Locking Connector (5Gbps)
- 4x Wall Mounting Brackets
- 4x Mounting Screws
- 1x Quickstart Guide
- *20v 6A PSU Sold Separately

Specifications

Audio and Video		
Inputs	1x HDMI: 19-pin Type A Female 1x USB-C (USB Alt Mode/Host) 3x USB Type A (Device) 1x RS-232: 3-pin Phoenix (Shared; API Control) 1x Line-In 3.5mm (1/8in) TRS Stereo 1x Type B host	
Outputs	1x HDBT: 8-pin RJ45 1x Audio Out 3.5mm (1/8in) TRS Stereo 1x RS-232: 3-pin Phoenix (Shared; Passthrough)	
Max Video Resolution	1920x1080p @60Hz 12bit 3840x2160 @60Hz 4:4:4 8bit 5120x2160 @30Hz 5120x2160 @60Hz 4:2:0	
Output Video Encoding	Format: HDBT Encoding Data Rate: 18Gbps End to End Latency: 10µs (microseconds)	
Audio Formats	1x Audio In: 3.5mm (1/8in) TRS Stereo 2ch audio over HDBaseT 1-way to RX	
Supported Standards	DCI RGB HDR10 Dolby Vision HLG BT.2020 BT.2100	
Maximum Pixel Clock	600Mhz	
Transmission Distance		
Cable Type	Range	Supported Video
HDMI	Input: 15m/50ft Output: 10m/33ft	1080p @60Hz 24bpp
	Input/Output: 10m/33ft	4K @30Hz 4:4:4 24bpp 4K @60Hz 4:2:0 24bpp
	Input/Output: 3m/10ft	4K @60Hz 4:4:4 24bpp 5120x2160 @30Hz 4:4:4 24bpp
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	1x Type B (Host) 3x Type A (Device) Maximum data throughput: 300Mbps	
RS-232	1x RS-232: 3-pin Phoenix	
Power		
Power Supply	20V DC 6A (Sold separately)	
Power Consumption	10.46w	
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	
Dimensiona and Weight		
Length x Width x Height	230mm x 25mm x 110mm / 8.66" x 0.98" x 4.33"	
Weight	0.63kg/1.39lbs	
Regulatory		
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.