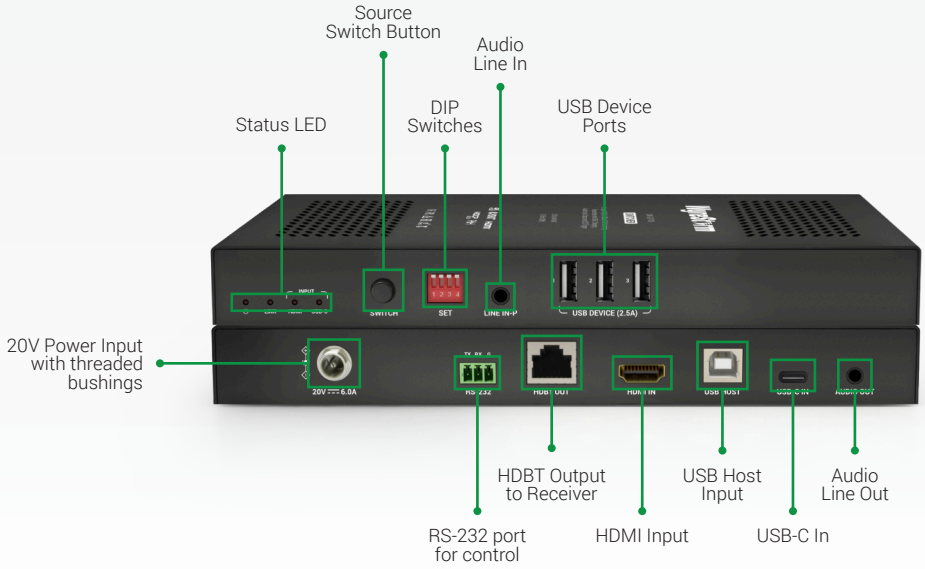
Synergy™ 2-input 4K60Hz HDBaseT™ 3.0 Switching Transmitter with USB-C Charging, Audio Input/Output and CEC Trigger

SW-120-TX3

WyreStorm

Specification Sheet



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Introduction

2 inputs and powerful HDBaseT 3.0 transmission result is 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 used in conjunction with each input. Rounding out it's 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 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 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 (This Document)
*20v 6A PSU Sold Separately

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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
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
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
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.