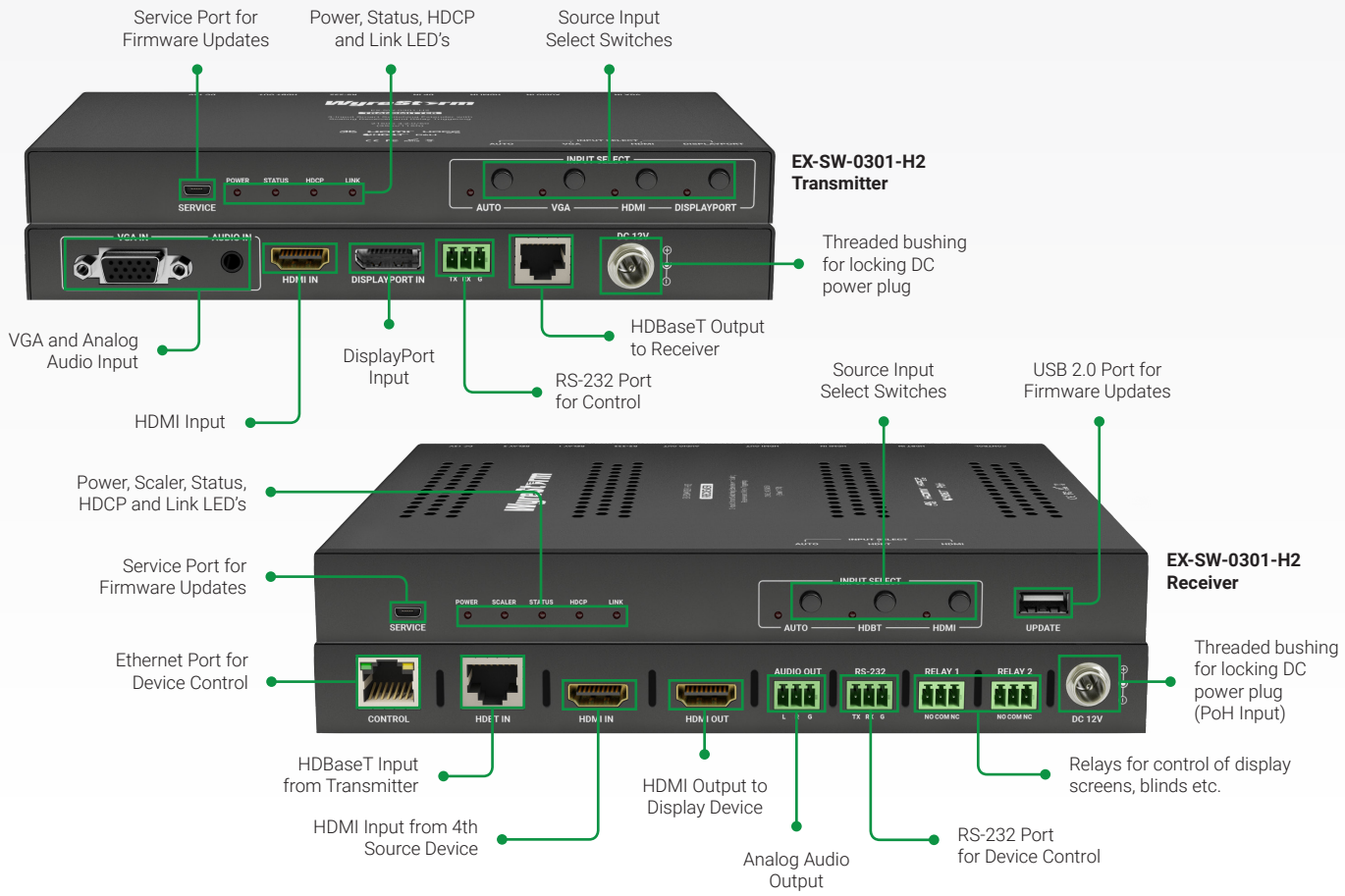
3x1 HDMI/VGA/DP Switching Extender with Scaling Receiver, Relay Triggering and HDCP 2.2

EX-SW-0301-H2

WyreStorm

Specification Sheet



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Introduction

Hitting a sweet-spot between the 2-input and 4-input presentation switcher/extender products, the 0301 is a powerful HDBaseT™ extender with support for VGA, HDMI & DP inputs at the transmitter but also a 4th source local to the scaling receiver. Condition-based relays and support for HDCP 2.2 wrap up this formidable package.

Key Features

- 3-input switcher & HDBaseT extender perfect for education or huddle room environments
- HDMI, DisplayPort and VGA inputs with automatic or manual switching
- 2x automatic (condition based) or manually triggered relays on receiver for projector screen or curtain control
- Receiver automatically scales content to match capability of connected TV or projector
- Class B HDBaseT Transmission to 35m/115ft@4K and 70m/230ft@1080p
- HDMI input on receiver for connection of additional source device, such as a signage player when a room is not in use
- Line level audio output on receiver
- PoH from receiver to transmitter means less clutter & cables on desk
- Compatible with latest 4K/60 4:2:0 source devices
- HDCP2.2 compliant
- Control via Ethernet port (TELNET) on RX, RS-232 or front panel buttons
- Slim chassis design means easy and discreet device placement

In the Box

1x EX-SW-0301-H2 Transmitter
1x EX-SW-0301-H2 Receiver
1x AC 100-240V 50/60Hz to DC 12V Power Adapter
5x 3-pin Phoenix Connectors
4x Mounting Brackets
1x Quickstart Guide

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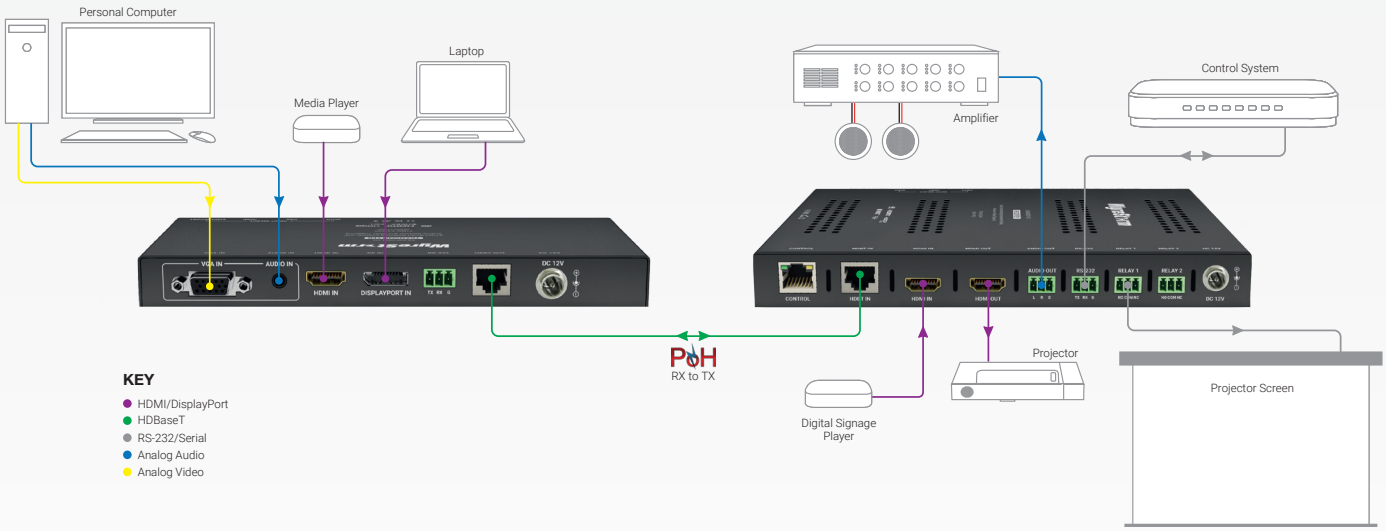
Specifications

Audio and Video				
	Transmitter		**Receiver**	
Inputs	1x VGA In: 15-pin VGA 1x Display Port In: DisplayPort 1.3 1x HDMI In: 19-pin type A		1x HDMI In: 19-pin type A 1x HDBT In: 8-pin RJ-45 Female	
Outputs	1x HDBT Out (Class A): 8-pin RJ-45 Female		1x HDMI Out: 19-pin type A 1x Audio Out: 3-pin Phoenix	
Output Video Encoding	HDBaseT Class B			
Encoding Data Rate	9.2Gbps			
End to End Latency	10µs (micro seconds)			
Audio Formats	2ch Analog/PCM | Multichannel: LPCM			
Video Resolutions (Max)	**Video Resolution**	**HDMI**	**Cat6**	**Cat6a/7**
	1920x1200p @60Hz 12bit	15m/49ft	60m/197ft	70m/230ft
	1920x1080p @60Hz 12bit	15m/49ft	60m/197ft	70m/230ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	35m/115ft	40m/131ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	40m/131ft
Supported Standards	DCI | RGB			
Maximum Pixel Clock	HDMI: 600mHz | HDBaseT: 297MHz			
Communication and Control				
HDMI	HDMI | HDCP 2.2 | EDID | DVI/D supported with adapter (not included)			
HDBaseT	HDMI | HDCP 2.2 | EDID | 1-way PoH Receiver to Transmitter			
Ethernet	1x 8-pin RJ-45 female | IP Control (TELNET)			
RS-232	1x RS-232: 3-pin Phoenix (Transmitter and Receiver)			
Relays	2x Relay: 3-pin Phoenix (Receiver Only)			
Power				
Power Supply	12V DC 3A			
PoH	IEEE 802.3af 15.4 W Max			
Max Power Consumption	Transmitter: 7W | Receiver: 17W			
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	Transmitter: 24 BTU/hr | Receiver: 58 BTU/hr			
Dimensions and Weight				
	Transmitter	**Receiver**		
Rack Units/Wall Box	<1U	<1U		
Height With | Without Feet	20mm/0.79in	25mm/0.99in		
Width With | Without Brackets	194mm/7.64in	223mm/8.78in		
Depth With | Without Handles	94mm/3.71in	154mm/6.07in		
Weight	0.5kg/1.1lbs	0.94kg/2.07lbs		
Regulatory				
Safety and Emission	CE | FCC | RoHS			

Right Product for the Right Application.