HDBaseT Wall Plates

HD-HPCWP-Tx and HD-HWP-Tx
Innovative HDBaseT 100m Transmitter Wall Plates

FSR

Video Products Group

HD-HPCWP-TX   HD-HWP-TX   HD-HWP-TX BACK

DESCRIPTION

Introducing the HD-HPCWP-Tx and HD-HWP-Tx, two wall plate transmitter additions to FSR's extensive HDBaseT family. The HD-HPCWP-Tx is an innovative 2 x 1 HDMI and VGA auto-switcher while the HD-HWP-Tx is an HDMI only transmitter. Both are packaged in an ultra-shallow all metal 2 gang Decora wall plate design. These transmitters have an HDMI input supporting up to 4K UHD / 2160p (3840 x 2160) @ 60Hz. (4:2:0 8-bit) resolutions and the HD-HPCWP-Tx version adds a VGA input supporting up to 1920 x 1200 @ 60Hz. Either of the inputs can be switched to the HDBaseT output for transmission of up to 100m to an FSR HDBaseT 100m Receiver.

The VGA input is coupled with a stereo audio input on a 3.5mm mini stereo jack. When selected, the video is converted to HDMI and the audio is embedded for transmission over HDBaseT.

The HD-HPCWP-Tx uses FSR's AutoSense technology to automatically switch between the HDMI and VGA inputs based on signal loss or acquisition on the HDMI input. The user can manually switch between inputs from the front of the wall plate as well.

These 2-gang Decora style wall plates are true HDBaseT 5-Play devices that transmit HD Video (up to 4K UHD.), Audio, Bi-Directional Control (IR & RS-232), Ethernet (100base-T), and PoH (Power over HDBaseT) via 1 CAT-6A shielded cable out to 100 Meters. Designed to work with any of FSR's 100 Meter HDBaseT Receivers they receive their power from them as well. The rear of the wall plate contains Ethernet & HDBaseT RJ-45 Ports as well as captive screw terminals for IR-Out, RS-232, and +12v In & Out. The Ethernet and +12v Out have been designed to be used with FSR's FLEX LT-200 3.5" Color Touch Panel with integrated control system which can communicate back to your rack along with video, audio, and power all over 1 CAT-6A Shielded Cable up to 100m.

FEATURES

- HDBaseT 5-Play: HD Video, Audio, Control (IR/RS-232), 100Base-T Ethernet, PoH (Power Over HDBaseT) Transmitter Wall Plates
- HDMI 1.4 Input Supports up to 4K UHD / 2160p (3840 x 2160) @ 60Hz. (4:2:0 8-bit) resolutions
- HDCP 2.2 Compliant
- 2 x 1 Auto-Switcher in a 2 Gang Decorator Style Wall Plate*
- VGA (HD-15) Input Supports up to 1920 x 1200 @ 60Hz*
- Analog Stereo Audio Input Coupled and Embedded with the Analog Video*
- Local Switching Control*
- AutoSense Automatic Switching*
- HDBaseT Output up to 100m via CAT-6A shielded cable to a compatible FSR HDBaseT 100m Receivers
- Ethernet and +12v Out designed to be used with FSR's FLEX LT-200 3.5" Color Touch Panels
- (*HD-HPCWP-Tx Wall Plate Only)

APPLICATIONS

- Boardrooms
- Classrooms
- House of Worship
- Courtrooms
- Hospitality Space/Ballrooms
- Auditoriums

FSR Inc.

244 Bergen Boulevard, Woodland Park, NJ 07424
Phone: 973.785.4347 · Fax: 973.785.4207
Order Desk: 1-800-332-FSR1
Web: www.fsrinc.com · E-mail: sales@fsrinc.com

LIT1553

WALL PLATE SPECIFICATIONS

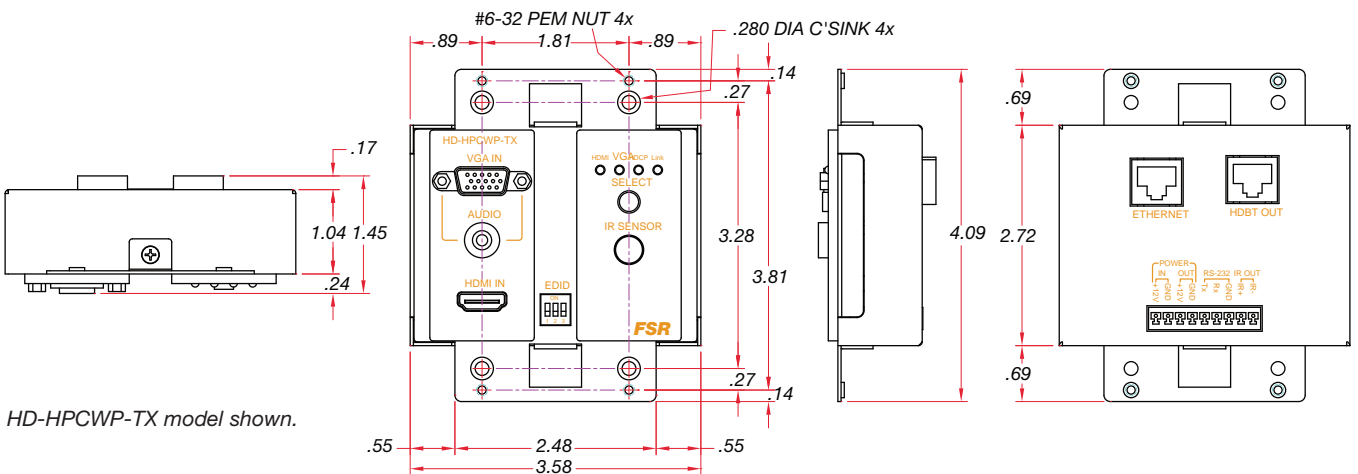| Supported Formats	
HDMI Resolutions (max.)	SMPTE: 720x480P (59.94Hz/60Hz), 720x576P(50Hz), 1280x720P (50Hz/59.94Hz/60Hz), 1920x1080P (50H./59.94Hz/60Hz), 3840x2160P (24Hz/25Hz/30Hz/50Hz/60Hz), 4096x2160P (24Hz/25Hz/30Hz/50Hz/60Hz) up to 4K UHD / 2160p (3840x2160) @ 60Hz (4:2:0 8-bit)
VGA Input Resolutions*	640x480, 800x600, 1024x768, 1280x720, 1280x1024, 1920x1080, 1920x1200 @60Hz
Output Resolutions (max.)	Supports up to 4K UHD/2160p (3840x2160) @ 60Hz (4:2:0 8-bit)
Connectors	
Video Input	1 x HDMI Type A 19-pin, female 1 x HD-15, female*
Audio Input*	1 x 3.5mm Mini Stereo Jack
HDBaseT Output	1 x RJ-45 (Shielded) HDBaseT
Ethernet	1 x RJ-45 (Shielded) 100Base-T Ethernet
RS-232	3 Pin Pluggable Screw Terminal
IR Output	2 Pin Pluggable Screw Terminal
Power Input	Power over HDBaseT (PoH) Embedded on HDBaseT Link or 12 VDC on 2 Pin Pluggable Screw Terminal
Power Output	12VDC on 2 Pin Pluggable Screw Terminal (250 mA)
Cable Distances & Resolutions:	
CAT-5e/CAT-6:	
100 Meters:	1080p @60 Hz (36 BPP (bits per pixel)
70 Meters:	1080p @60 Hz (48 BPP (bits per pixel), 3D, 4K UHD/2160p (3840x2160) @ 60Hz (4:2:0 8-bit)
CAT-6A/CAT-7 (Shielded):	
100 Meters:	1080p @60 Hz (48 BPP (bits per pixel), 3D, 4K UHD/2160p (3840x2160) @ 60Hz (4:2:0 8-bit)
For best resolution and ESD performance Shielded CAT-6A cable is recommended	
Operational	
Power Input	DC 12V 2A
Physical	
Form Factor	2 Gang "Decora Style" Wall Plate
Dimensions (W x H x D)	3.58"W (90.9 mm) x 4.09"H (103.9 mm) x 1.45"D (37.8 mm)
Unit Weight	0.5 lbs (0.226796 kg)

* Applies to model HD-HPCWP-Tx only

Requires One of the FSR 100m HDBaseT Receivers

DIMENSIONS

HD-HPCWP-TX model shown.

FSR Inc.

244 Bergen Boulevard, Woodland Park, NJ 07424
Phone: 973.785.4347 · Fax: 973.785.4207
Web: www.fsrinc.com · E-mail: sales@fsrinc.com

Specifications are subject to change without notice.