HD-H1504K-SP
HDMI Extender Set

FSR
Video Products Group





DESCRIPTION

The HD-H1504K-SP is an 18Gbps HDMI extender set that allows HDMI, RS-232, and bi-directional IR signals to be extended to a distance up to 492ft / 150 meters between the transmitter and receiver via a single CAT cable. The maximum extended transmission distance for the set via a single Cat5e/6 cable is 394ft / 120 meters for a 4K2K signal and 492ft / 150 meters for a 1080P signal. It supports resolutions up to 4K2K@60Hz 4:4:4, 18Gbps, HDCP 2.2. The sets transmitter has an HDMI loop-through output port for local viewing and the receiver de-embeds the HDMI audio. In addition, the HD-H1504K-SP is equipped with two-way IR pass-through and RS-232 serial, allowing for source and display control.

This HDMI extender set includes a transmitter, receiver, and one power supply that can be connected to either end. The transmitter is responsible for capturing the HDMI input, bi-directional IR, and RS-232 control signals and sending the signals via one cost-effective Cat5e/6 cable to the receiver. The receiver is responsible for converting the signals back and outputs HDMI video / audio, analog L/R audio along with bi-directional IR and RS-232 control.

The extenders offer the most convenient solution for HDMI extension via a single Cat5e/6 with long-distance capability and is the perfect solution for any application.

APPLICATIONS

- *Conference Rooms*
- *Multi-purpose Rooms*
- *Collaboration Areas*
- *Classrooms*
- *Home Theaters*
- *Digital Signage*

FEATURES

- *HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant*
- *Supports 18Gbps video bandwidth*
- *The maximum extended transmission distance via a single Cat5e/6 cable:*
  - *394ft / 120 meters for 4K2K signal,*
  - *492ft / 150 meters for 1080P signal*
- *Supports one HDMI loop output on the transmitter*
- *Extracts audio to analog stereo output on the receiver*
- *With bi-directional IR, RS-232, and CEC pass-through*
- *HDR, HDR10+, Dolby Vision, and HLG functions supported*
- *Supports PoC (Power over Cable) function*
- *Compact design for easy and flexible installation*

WHAT'S IN THE BOX

- *(1) 18Gbps HDMI over HDBaseT Extender (Transmitter)*
- *(1) 18Gbps HDMI over HDBaseT Extender (Receiver)*
- *(1) IR Blaster cable (1.5 meters)*
- *(1) 20~60KHz IR Receiver cable (1.5 meters)*
- *(4) Mounting Ears*
- *(2) 3-pin pluggable screw terminal connectors*
- *(1) 24V/1A Locking Power adapter*
- *(1) User Manual*

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE
HDCP

GREEN

Specifications are subject to change without notice.

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ORDERING INFORMATION

Item #	Part#	Description
18571	HD-H1504K-SP	Extender Set - HDBT, 4K-60 HDR IR & RS232
18597	PS-SCHUKO1	Replacement Schuko Style Plug Blades for Power Supply Provided with Unit
18652	HD-H1504K-SP-EU	Extender Set - Schuko Adaptor with HDBaseT Set

APPLICATIONS

Technical			
HDCP Compliance	HDCP 2.2 / HDCP 1.4		
Video Bandwidth	18Gbps		
Video Resolution	4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:2 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats.	4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 All PC resolutions including 1920 x 1200	
Color Space	RGB / YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0		
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4)		
HDMI Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X		
L/R Audio Formats	PCM 2.0		
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)		
Connections			
Transmitter	Inputs: Outputs: Control: 	1x HDMI Type A [19-pin female] 1x HDMI Type A [19-pin female] 1x HDBT OUT [RJ45, 8-pin female] 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Pluggable screw terminal] 1x SERVICE [Mini-USB, Update port]	
Receiver	Inputs: Outputs: Control: 	1x HDBT IN [RJ45, 8-pin female] 1x HDMI Type A [19-pin female] 1x AUDIO OUT [3.5mm Stereo Mini-jack] 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Pluggable screw terminal] 1x SERVICE [Mini-USB, Update port]	
Mechanical			
Housing	Metal Enclosure		
Color	Black		
Dimensions	Transmitter / Receiver: 5.5” [W] x 2.56” [D] x 0.71” [H]		
Weight	Transmitter: 160g, Receiver: 155g		
Power Supply	Input: AC 100 - 240V 50/60Hz		
Output:	DC 24V/1A (Locking connector)		
Power Consumption	9.36 W		
Operating Temperature	32 - 104°F / 0 - 40°C		
Storage Temperature	-4 - 140°F / -20 - 60°C		
Relative Humidity	20 - 90% RH (no condensation)		
Resolution / Distance			
	4K2K 1080P	394ft / 120M 492ft / 150M	

Resolution / Cable Length	4K60	4K30	1080P60
HDMI IN / OUT	16ft / 5M	32ft / 10M	50ft / 15M

The use of “Premium High-Speed HDMI” cable is highly recommended.

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