

# HD-H1504K-SP HDMI Extender Set

# FSR

Video Products Group

HD-H1504K-SP  
HDMI Extender Set



## 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



Specifications are subject to change without notice.

## 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**<sup>®</sup> ((HDCP))  
HIGH-DEFINITION MULTIMEDIA INTERFACE

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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

## SPECIFICATIONS

Technical	
HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4      4K2K 50/60Hz 4:2:0 4K2K 50/60Hz 4:2:2      4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats. 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: 1x HDMI Type A [19-pin female] Outputs: 1x HDMI Type A [19-pin female] 1x HDBT OUT [RJ45, 8-pin female] Control: 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: 1x HDBT IN [RJ45, 8-pin female] Outputs: 1x HDMI Type A [19-pin female] 1x AUDIO OUT [3.5mm Stereo Mini-jack] Control: 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      394ft / 120M 1080P    492ft / 150M
Resolution / Cable Length	
HDMI IN / OUT	4K60      4K30      1080P60 16ft / 5M    32ft / 10M    50ft / 15M
The use of "Premium High-Speed HDMI" cable is highly recommended.	