

4K@60hz 18Gbps HDCP 2.2 HDR 150m 1x4 HDBaseT Splitter with EDID Management

Model: HS-HB-14



INTRODUCTION

HS-HB-14 18Gbps HDMI 1x4 HDBaseT Splitter can distribute 1 source signal to any 4 display devices. The HDMI signal transmission distance can be extended up to 120 meters at the resolution of 4K2K@60Hz, 150 meters at 1080P@60Hz via a single CAT6/6a/7 cable. The product supports up to 7.1CH HD audio pass-through. Audio extract function and advanced EDID management are supported.

I/O INTERFACE

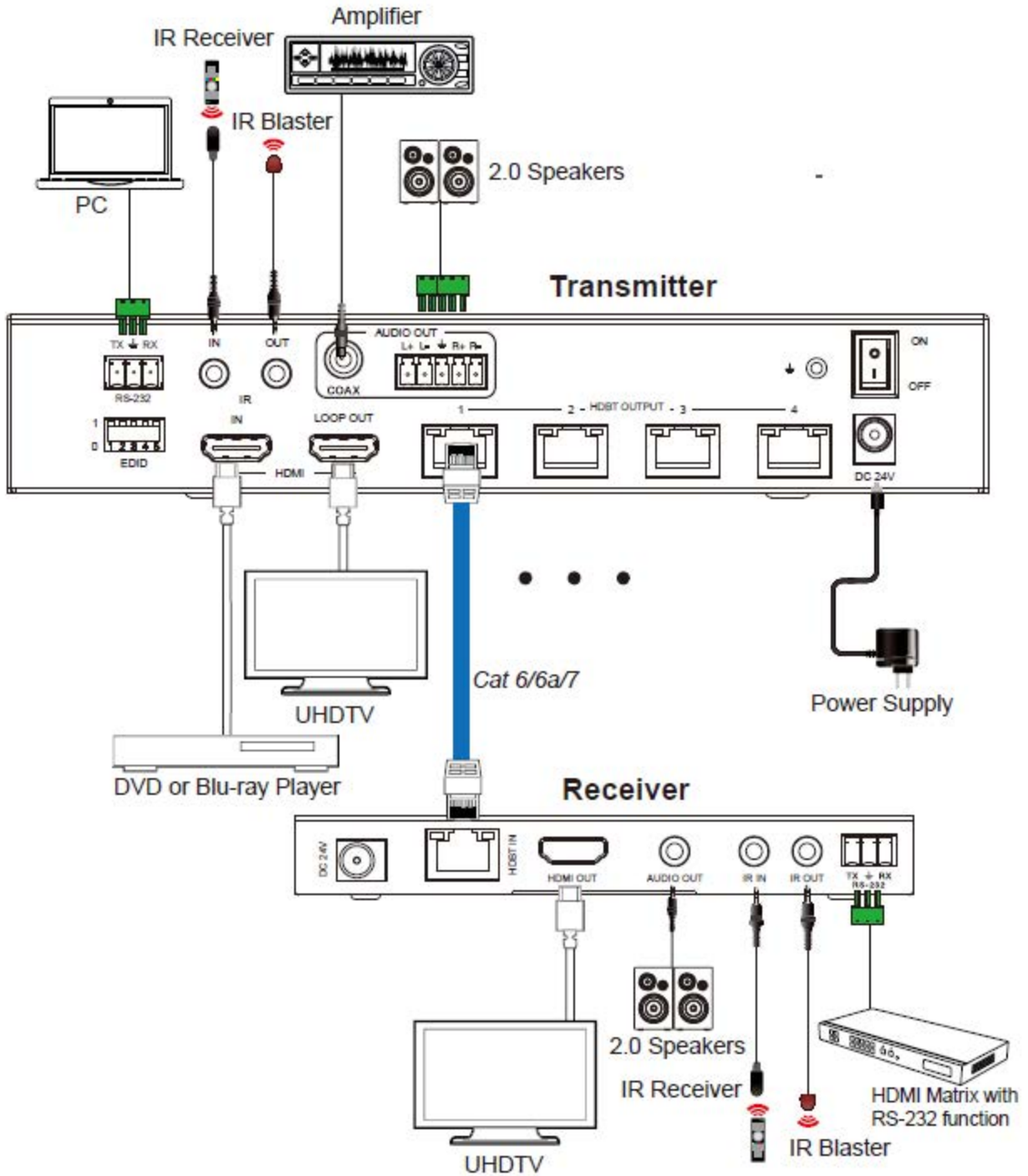
Input: 1×HDMI Type A
Output: 1×HDMI Type A、4x HDBaseT OUT、1x Coaxial Audio OUT、1x L/R Audio OUT
Control: 1×RS-232、1x EDID DIP switch、1x IR IN、1x IR OUT

FEATURES

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz 4:4:4
- Support HDR, HDR10+, HLG and Dolby vision
- Support up to 7.1CH HD audio pass-through
- Support digital and analog audio de-embedded output
- Extend the signal transmission distance up to 120 meters at the resolution of 4K2K@60Hz, 150 meters at 1080P@60Hz via a single CAT6/6a/7 cable
- Support 1 HDMI input, 1 HDMI loop output and 4 HDBaseT outputs
- IR, RS-232 routed to HDBaseT output
- Advanced EDID management
- Support one-way POC function (only from transmitter to receiver)
- Compact design for easy and flexible installation



DIAGRAM





SPECIFICATION

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	594MHz/18Gbps
Video Resolution	Up to 4k2k@60Hz 4:4:4
	8-bit,10-bit,12-bit(1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4)
Color Depth	8-bit,10-bit,12-bit(4K2K@60Hz YCbCr 4:2:2/4:2:0)
Color Space	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0
HDR	Support HDR, HDR10+, HLG, Dolby vision
	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
HDMI Audio Formats	
Coaxial Audio Formats	PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1
Analog Audio Formats	PCM 2.0CH
ESD Protection	Human body model—±8kV (Air-gap discharge) &
	±4kV (Contact discharge)
Connection	
Input	1×HDMI Type A (19-pin female)
	1×HDMI Type A (19-pin female) 4x HDBaseT OUT [RJ45]
Output	1x Coaxial Audio OUT [RCA]
	1x L/R Audio OUT [5-pin phoenix connector]
	1×RS-232 (3-pin phoenix connector) 1x EDID DIP switch [5-pin]
Control	1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack]
Mechanical	
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	Transmitter: 220mm (W) × 130mm (D) × 40mm (H) Receiver: 140mm (W) × 65mm (D) × 18mm (H)
Weight	Transmitter: 853g Receiver: 246g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC24V/2.7A
	(US/EU standards, CE/FCC/UL certified)
Power Consumption	35W
Operation	0°C ~ 40°C / 32°F ~ 104°F
Temperature	
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)