NEXIS

4K60 1x4 HDMI™ Splitter (70m) over CAT6 Cable with PoC

HSP1470



User Manual

VER 1.0

Thank you for purchasing this product

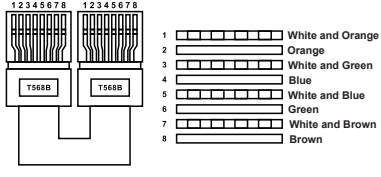
For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Caution

The product requires the use of UTP connectors. Please connect in direct interconnection method and do not cross connect.



Direct Interconnection Method

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1. Introduction

This HDMI 1x4 Splitter can distribute 1 HDMI source signal to any 4 display devices, supporting video resolution up to 4K@60Hz. It is designed with 1 HDMI input, 1 HDMI loop output and 4 CAT outputs. The HDMI signal transmission distance can be extended up to 230ft/70m for 4K@30Hz, 197ft/60m for 4K@60Hz via a single CAT6 cable. It supports advanced EDID management.

2. Features

- ☆ HDCP 2.2 compliant
- ☆ Video resolution is up to 4K@60Hz
- ☆ The transmission distance is up to 230ft/70m for 4K@30Hz, 197ft/60m for 4K@60Hz via a single CAT6 cable
- ☆ Support 1 HDMI input, 1 HDMI loop output and 4 CAT outputs.
- ☆ Support HDMI audio formats: LPCM 7.1CH, Dolby True HD, and DTS-HD Master Audio
- ☆ Support PoC function
- ☆ Advanced EDID management
- ☆ Compact design for easy and flexible installation

3. Package Contents

① 1× 4K60 1x4 HDMI Splitter (TX)
② 4× 4K60 1x4 HDMI Splitter (RX)
③ 1× 12V/2.5A Multinational Locking Power Supply
④ 10× Mounting Ear (TX + RX)
⑤ 20× Machine Screw (KM3*4)
⑥ 1× User Manual

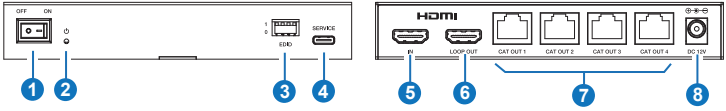
4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution (Input & Output)	480i60, 576i50, 480p60, 576p50, 720p50/60, 1080i50/60, 1080p24/25/30/50/60; 640x480@60, 1024x768@60, 1280x768@60, 1280x800@60, 1280x1024@60, 1360x768@60, 1440x900@60, 1680x1050@60, 1920x1200@60RB; 3840x2160@24/25/30/50/60; 4096x2160@24/25/30/50/60;
Color Depth	8-bit,10-bit,12-bit(1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit,10-bit,12-bit(4K2K@60Hz YCbCr 4:2:2/4:2:0)
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 YUV 4:2:0
Audio Formats	**HDMI Loop Out:** LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD **Remote End:** LPCM 2.0, Dolby 5.1, DD+7.1, DTS 5.1
HDR	HDR10, HDR10+, Dolby Vision, HLG
Transmission Distance	230ft/70m for 4K@30Hz via a single CAT6 cable 197ft/60m for 4K@60Hz via a single CAT6 cable
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Transmitter	Input: 1× HDMI IN [HDMI type A, 19-pin female] Output: 1× HDMI LOOP OUT [HDMI type A, 19-pin female] 4× CAT OUT [RJ45] Control: 1× SERVICE [USB type C, update port]
Receiver	Input: 1× CAT IN [RJ45] Output: 1× HDMI OUT [HDMI type A, 19-pin female]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter: 150mm [W] × 70mm [D] × 24.5mm [H] Receiver: 81mm [W] × 49mm [D] × 25mm [H]
Weight	Transmitter: 302g; Receiver: 116g
Power Supply	DC 12V/2.5A
Power Consumption	10.4W (Max)

Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Operating Humidity	20%~80% relative humidity, non-condensing
Storage Humidity	10%~90% relative humidity, non-condensing

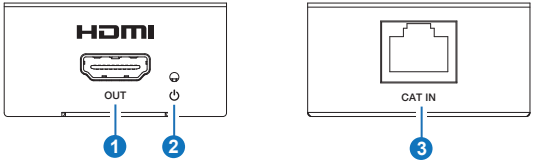
5. Operation Controls and Functions

5.1 Transmitter Panel



No.	Name	Function Description
1	POWER switch	Use this switch to power on or power off the transmitter.
2	POWER LED	When the transmitter is powered on, the red LED will be on.
3	EDID DIP switch	Use the DIP switch to set EDID. 1 is Up and 0 is down. * EDID list is as follow.
4	SERVICE	Firmware update port.
5	HDMI IN	HDMI signal input port, connected to an HDMI source device such as DVD or PS5 with HDMI cable.
6	HDMI LOOP OUT	HDMI loop output port, connected to HDMI display device such as TV or Monitor with HDMI cable.
7	CAT OUT (1~4)	Connect to the CAT IN port on the receiver with CAT cable.
8	DC 12V	12V/2.5A power input port.

5.2 Receiver Panel



No.	Name	Function Description
1	HDMI OUT	HDMI output port, connected to HDMI display device such as TV or Monitor with HDMI cable.
2	POWER LED	When the receiver is powered on, the red LED will be on.
3	CAT IN	Connect to the CAT OUT port on the transmitter with CAT cable.

* EDID Setting List:

[DIP]=1111: 4K60(444),2.0CH

[DIP]=1110: 4K60(444),5.1CH

[DIP]=1101: 4K60(444),7.1CH

[DIP]=1100: 4K60(444)_HDR,2.0CH

[DIP]=1011: 4K60(444)_HDR,5.1CH

[DIP]=1010: 4K60(444)_HDR,7.1CH

[DIP]=1001: 4K30,2.0CH

[DIP]=1000: 4K30,5.1CH

[DIP]=0111: 4K30,7.1CH

[DIP]=0110: 1080P,2.0CH

[DIP]=0101: 1080P,5.1CH

[DIP]=0100: 1080P,7.1CH

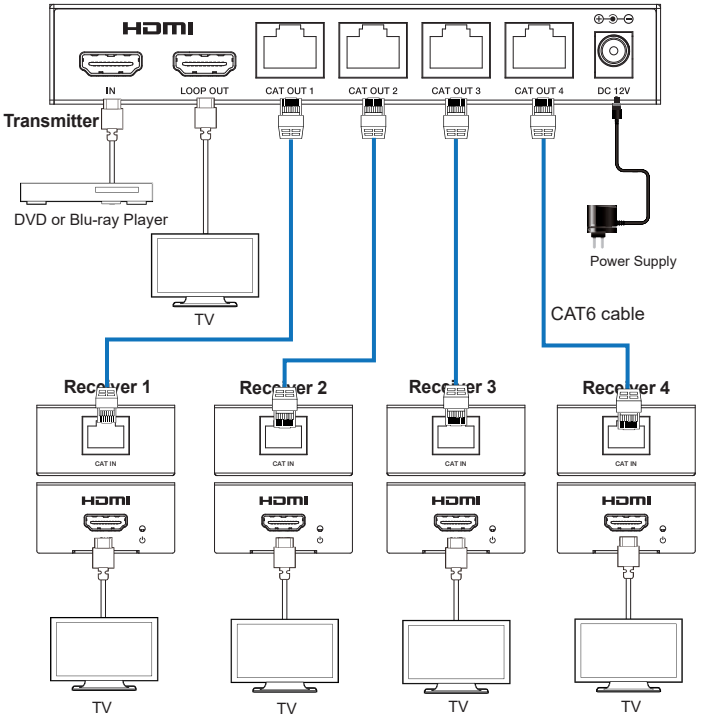
[DIP]=0011: 1920x1200,2.0CH

[DIP]=0010: 1280x800,2.0CH

[DIP]=0001: 1024x768,2.0CH

[DIP]=0000: Copy TX loop out EDID

6. Application Example



HIGH-DEFINITION MULTIMEDIA INTERFACE

The terms HDMI and HDMI High-Definition Multimedia interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.