

# CORPORATE MEETING

A LEADING A/V SOLUTION PROVIDER



## **1. New and Hot selling HDMI Products Recommendation**

# New and Hot selling HDMI Products Recommendation



## 8K HDMI Switch



HDMI 2x1/4X1 Switcher Supports 8K @60Hz 4:4:4 with Audio Extractor(TO SLINK and Stereo) and EDID Control  
**P/N: 1PET0201ED**  
**P/N: 1PET0401ED**  
**Sample Ready**

## 8K HDMI Splitter



HDMI 1x2/1X4 Splitter Supports 8K@60Hz 4:4:4 with Audio Extractor(TOSLINK and Stereo) and EDID Control  
**P/N: 1PET0102AE**  
**Samples ready in Oct.**  
**P/N: 1PET0104AE**  
**Sample Ready**

## 4K HDMI Matrix



HDMI 4x2 Matrix Support Quad Multi-Viewer with Seamless Switch, Audio Extractor (SPDIF/Stereo), RS232 and remote Control Function 4K@30Hz  
**P/N: 4PET0402QMS-R**  
**Sample ready**

## 4K HDMI Video Wall



HDMI 2x2 Video Wall Processor Support s 4K@30Hz with Audio Extractor and RS232 Control  
**P/N: 4PET0104VW**  
**Samples ready in Oct**

## 4K HDMI Extender



HDMI over TCP/ IP Extender by Single Cat6 Supports 4K@30Hz, 120M (1:N, N:N) and IR  
**P/N: 4PET120R-C**  
**Sample ready**



4 Port HDMI x3 and USB-C x1 Switch with IR Wireless Remote Support 8K@60Hz 4:4:4 HDR HDCP2.3  
**P/N: 1PET0301C2HX-C-1**  
**Sample Ready**

## 8K HDMI Switch Splitter



HDMI 2x4 Switcher Splitter Supports 4K@120Hz 4:4:4 and 8K@30Hz 4:2:0 with one USB-C Port Input Remote Control and three EDID Mode Control(Auto/Copy/Downscaler)  
**P/N: 1PET0204Y**  
**Sample ready**



HDMI 4x4 Matrix Support Quad Multi-Viewer with Seamless Switch Function, Audio Extractor (SPDIF/Stereo), Remote Control Function, 4K@30Hz and RS232  
**P/N: 4PET0404QMS**  
**Sample ready in Oct**



HDMI 3x3 Video Wall Processor Support s 4K@30Hz with Audio Extractor (SPDIF/Stereo) and RS232 Control  
**P/N: 4PET0109VW**  
**Sample ready in Oct**



HDMI Extender Over Single UTP CAT5e/CAT6 TCP/IP 4k@30Hz(Up to 120 Meters) with KVM  
**P/N : 4PET120KVM**  
**Sample ready in Oct**



HDMI 4x1 Switcher Supports 8K@60Hz with Audio Extract (HDMI, Stereo, Toslink and COAX and Audio Return Channel)  
**P/N: 1PET4000H**  
**Sample ready in Oct.**



HDMI 4X4 Matrix support 4K@60Hz 4:4:4 with downscaler, EDID, Dual-way audio and audio return channel, RS232  
**P/N: 2PET0404A-AX**  
**Samples ready in October**



HDMI 2x2 Video Wall Processor Supports 4K@60Hz 4:4:4 **HDR** with Audio Extractor (SPDIF/Stereo) and RS232 Control  
**P /N: 2PET0104VW-X**  
**Sample ready in Oct**

## 4K USB-C Extender



USB-C Extender Supports 30m at 4K@120Hz Over Single UTP  
**P/N: 1PET30CHE**  
**Samples ready**



# HDMI Switch 8K with Audio



HDMI 2x1/4x1 Switcher Supports 8K@60Hz 4:4:4 with Audio Extractor(TOSLINK and Stereo) and EDID Control

### HDMI™ 2x1/ 4x1 Switcher

Supports 8K@60Hz 4:4:4  
with Audio Extractor, Auto-sensing mode,  
Remote, EDID Control

**INTELLIGENT**

Support EDID management for bypass EDID mode  
and fifteen default EDID modes

1. Supports HDCP 2.3, HDCP 2.2 and HDCP 1.4
2. Support Consumer Electronics Control function

**8K 60Hz**

**3D**

**HDR**

**Dual-Way Audio**

**EDID**

P/N.: 1PET201ED/0401ED

Can be intuitively displayed in front of customers,  
making the features clear at a glance

### Product Details

**Porous Design**

Heat dissipation hole design,  
with powerful heat  
dissipation function

**Audio Output  
+ SPDIF Output**

Connect to the Audio Output  
Devices via 3.5mm Cable  
and SPDIF Cable

**DC/5V Power**

Diamond shape design,  
support overcharge protection,  
stable performance

# HDMI Switch 8K with Audio



**HDMI 2x1/4x1 Switcher Supports 8K@60Hz 4:4:4 with Audio Extractor(TOSLINK and Stereo) and EDID Control**

**P/N: 1PET0201ED**

**P/N: 1PET0401ED**

## Features:

- \* Support different control methods for Front panel button control, Remote control
- \* Support highest video resolution update to 8K@60Hz YUV4:4:4
- \* Support DE-embedded Audio of the selected HDMI input at the analog 3.5mm stereo and digital optical
- \* Support EDID control(management) function with 15 minutes EDID handshakes including 8K with HDR in addition to native EDID data copied from the output display
- \* Support 1200MHz/12Gbps per channel bandwidth (48Gbps all channels)
- \* Support 12bit per channel (36bit all channels) deep color
- \* Support HDCP 2.3, and back compatible with the HDCP2.2 and HDCP1.4
- \* Support High Dynamic Range (HDR)
- \* Support uncompressed audio such as LPCM
- \* Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio and Dolby TrueHD)



# 8K HDMI Switch



## 4 Port HDMI x3 and USB-C x1 Switch with IR Wireless Remote Support 8K@60Hz 4:4:4 HDR HDCP2.3

**P/N: 1PET0301C2HX-C-1**

### Features:

- \* HDMI Stylish switches with manual port switching / automatic port switching, manual switching and automatic switching mode can be changed to another via long press the selector button for 3-5 seconds or press the "AUTO" button to change the states directly.
- \* Support 3 x HDMI + 1 X USB-C input
- \* Support full 3D video format
- \* Support high resolution up to 8K@60Hz 4:4:4, 4K@120Hz and 1080P@240Hz
- \* Compatible with Thunderbolt 3 for USB-C input
- \* Compatible with DP1.4 alt mode for USB-C input
- \* Support HDCP 2.3, and back compatible with the HDCP2.2 and HDCP1.4
- \* Support High Dynamic Range (HDR) video pass-through, such as HDR10/HDR10+/Dolby vision etc.
- \* Support VRR (Variable Refresh Rate), ALLM (Auto Low-latency Mode), and QFT (Quick Frame Transport) function
- \* Built-in Equalizer, Re-timing and Driver
- \* Support Consumer Electronics Control
- \* Support IR receiver on/off function via long press the selector button for 6 seconds or press the IRA button to control the function on/off, turn on the IR receiver function for normal use and turn off the IR receiver function to avoid the unwished remote control the switch for using the same Infrared code
- \* Support uncompressed audio such as LPCM
- \* Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)





# 8K HDMI Switch

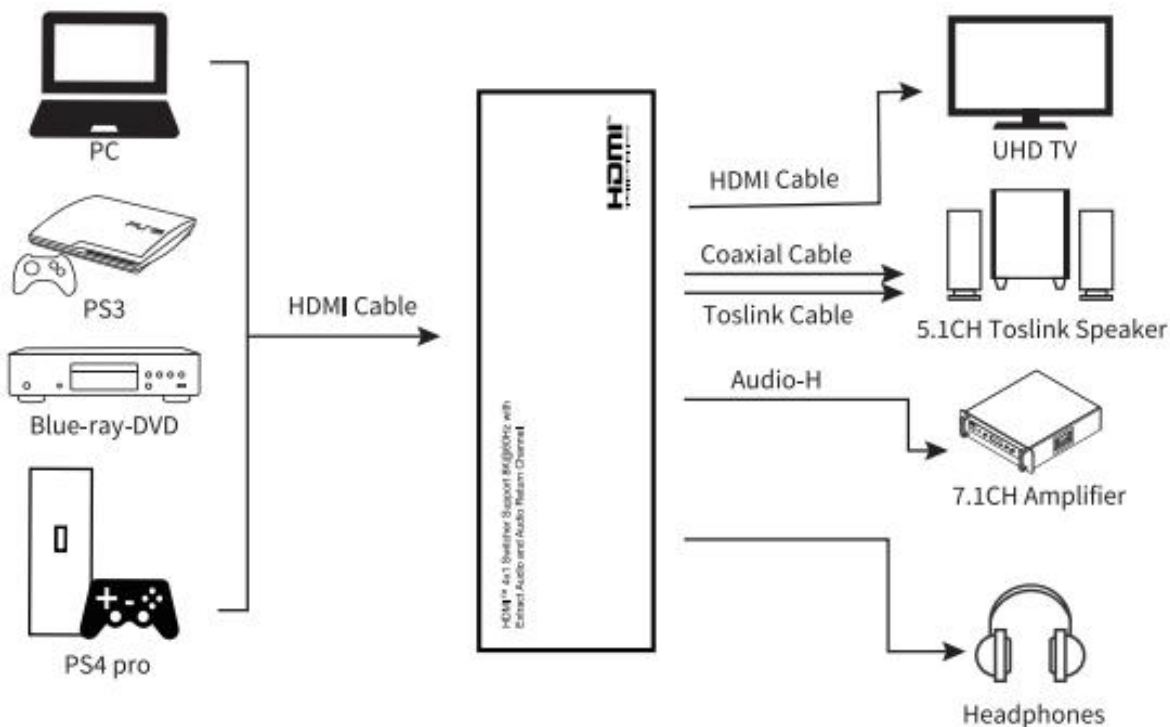


HDMI 4x1 Switcher Supports 8K@60Hz with Audio Extract (HDMI, Stereo, Toslink and COAX and Audio Return Channel

P/N: 1PET4000H

## Features:

- \*Support manual control and remote control.
- \*Enables the most recently activated video source to be displayed automatically.
- \*Support digital audio output simultaneously: HDMI, Stereo, Toslink and Coaxial
- \*Support resolution up to 8K@60Hz 4:4:4 Support 1200MHz/12Gbps per channel (48Gbps all channels) bandwidth
- \*Support 12bit per channel (36bit all channels) deep color
- \*Support HDCP2.3
- \*Support uncompressed audio such as LPCM 7.1. Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio and Dolby TrueHD)
- \*Support Audio Return channel



# HDMI Splitter 8K with Audio



HDMI 1x2/1X4 Splitter Supports 8K@60Hz 4:2:0 with Audio Extractor(TOSLINK and Stereo) and EDID Control

**HDMI™ 1x2/ 1x4 Splitter**  
Supports 8K@60Hz YUV 4:2:0  
with Audio Extractor (TOSLINK and Stereo)  
and EDID Control

**8K 60Hz** **3D 3D** **HDR** **Dual-Way Audio** **EDID**

P/N.: 1PET0102AE/0104AE

Can be intuitively displayed in front of customers,  
making the features clear at a glance

**Product Details**

**Porous Design**  
Heat dissipation hole design,  
with powerful heat  
dissipation function

**Audio Output  
+ SPDIF Output**  
Connect to the Audio Output  
Devices via 3.5mm Cable  
and SPDIF Cable

**DC/5V Power**  
Diamond shape design,  
support overcharge protection,  
stable performance

**INTELLIGENT**

Support EDID management for copy  
output 1 EDID and fifteen default EDID modes

1. Supports HDCP 2.3, HDCP 2.2 and HDCP 1.4
2. Support Consumer Electronics Control function

**EDID Mode: ↓ =HIGH ↑ =LOW**

Binary Code	0000	0001	0010	0011	0100	0101	0110	0111
4 3 2 1	↓↓↓↓	↓↓↓↑	↓↓↓↑	↓↓↑↑	↓↑↓↓	↓↑↑↑	↓↑↑↑	↓↑↑↑

Binary Code	1000	1001	1010	1011	1100	1101	1110	1111
4 3 2 1	↑↑↓↓	↑↑↓↑	↑↑↓↑	↑↑↑↑	↑↑↑↓	↑↑↑↑	↑↑↑↓	↑↑↑↑



# HDMI Splitter 8K with Audio



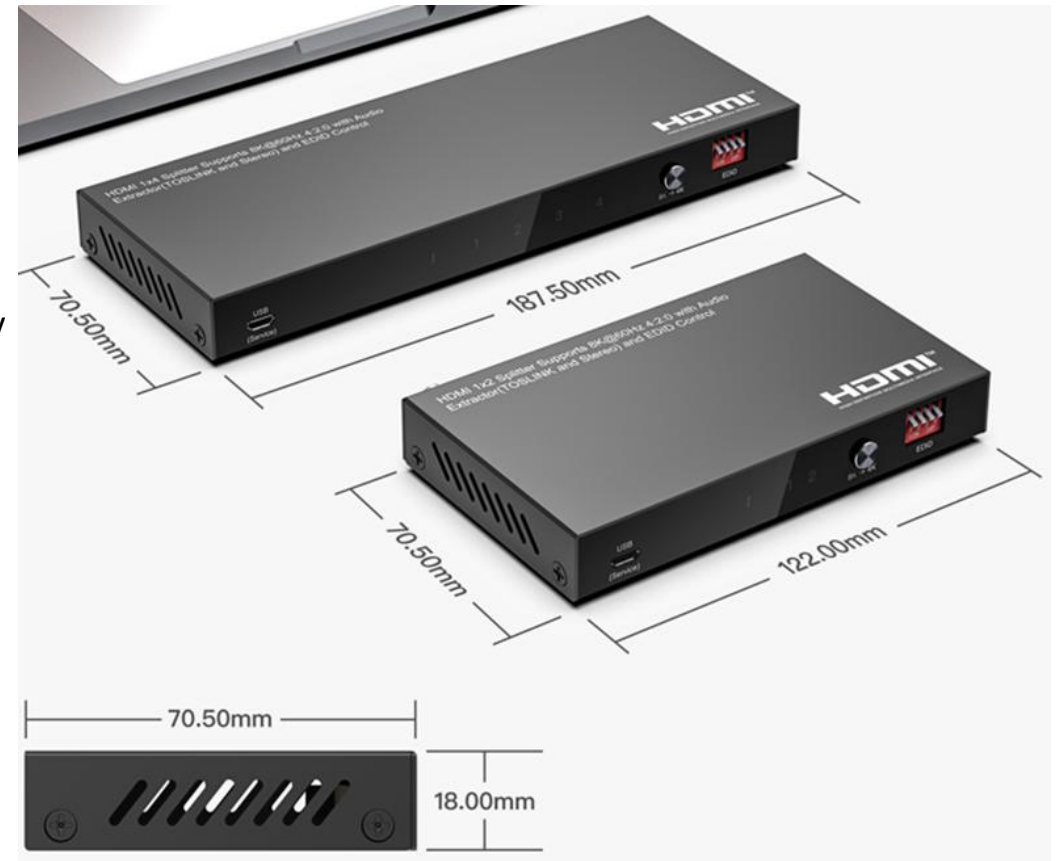
**HDMI 1x2/1x4 Splitter Supports 8K@60Hz 4:2:0 with Audio Extractor(TOSLINK and Stereo) and EDID Control**

**P/N: 1PET0102AE**

**P/N: 1PET0104AE**

## Features:

- \* Support highest video resolution up to 8K@60Hz YUV4:2:0
- \* Support DE-embedded Audio of the selected HDMI input at the analog 3.5mm stereo and digital optical
- \* Support EDID control(management) function with 15 minutes EDID handshakes including 8K with HDR in addition to native EDID data copied from the output display
- \* Support 1000MHz/10Gbps per channel bandwidth (480Gbps all channels)
- \* Support 12bit per channel (36bit all channels) deep color
- \* Support HDCP 2.3, and back compatible with the HDCP2.2 and HDCP1.4
- \* Support High Dynamic Range (HDR)
- \* Support uncompressed audio such as LPCM
- \* Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio and Dolby TrueHD)



# 8K HDMI Switch Splitter



**HDMI 2x4 Switcher Splitter Supports 4K@120Hz 4:4:4 and 8K@30Hz 4:2:0 with one USB-C Port Input Remote Control and three EDID Mode Control(Auto/Copy/Downscaler)**

**P/N: 1PET0204Y**

## Features

- \* **Support three EDID modes: Auto/Copy/Downscaler**
- \* Support full 3D video format
- \* Support high definition resolution 8K@30Hz 4:2:0, 4K@120Hz and 1080P@240Hz
- \* Support 1000MHz/10Gbps per channel bandwidth (40Gbps all channels)
- \* Support 12bit per channel (36bit all channels) deep color
- \* Support HDCP 2.3, and back compatible with the HDCP2.2 and HDCP1.4
- \* Support High Dynamic Range (HDR) video pass-through, such as HDR10/HDR10+/Dolby vision etc.
- \* Support Consumer Electronics Control function (Output1)
- \* Support uncompressed audio such as LPCM
- \* Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)
- \* Support three different EDID modes auto/copy/downscaler

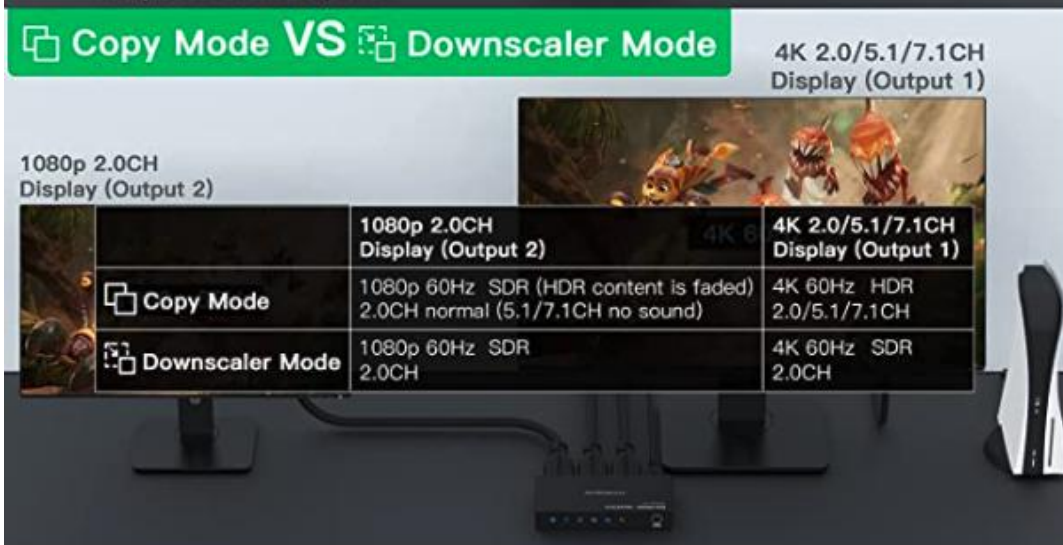
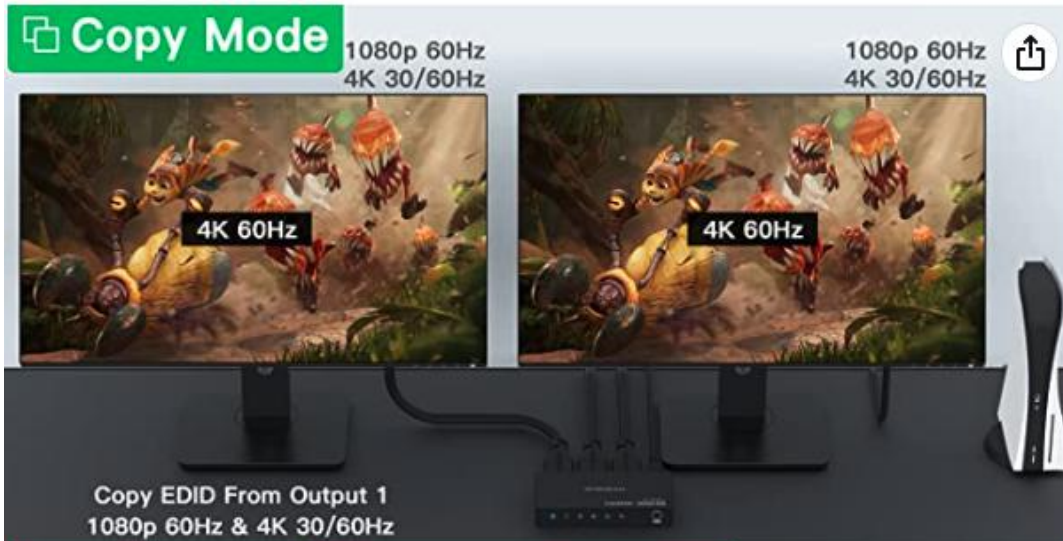


# 8K HDMI Switch Splitter



HDMI 2x4 Switcher Splitter Supports 4K@120Hz 4:4:4 and 8K@30Hz 4:2:0 with one USB-C Port Input Remote Control and three EDID Mode Control(Auto/Copy/Downscaler)

P/N: 1PET0204Y

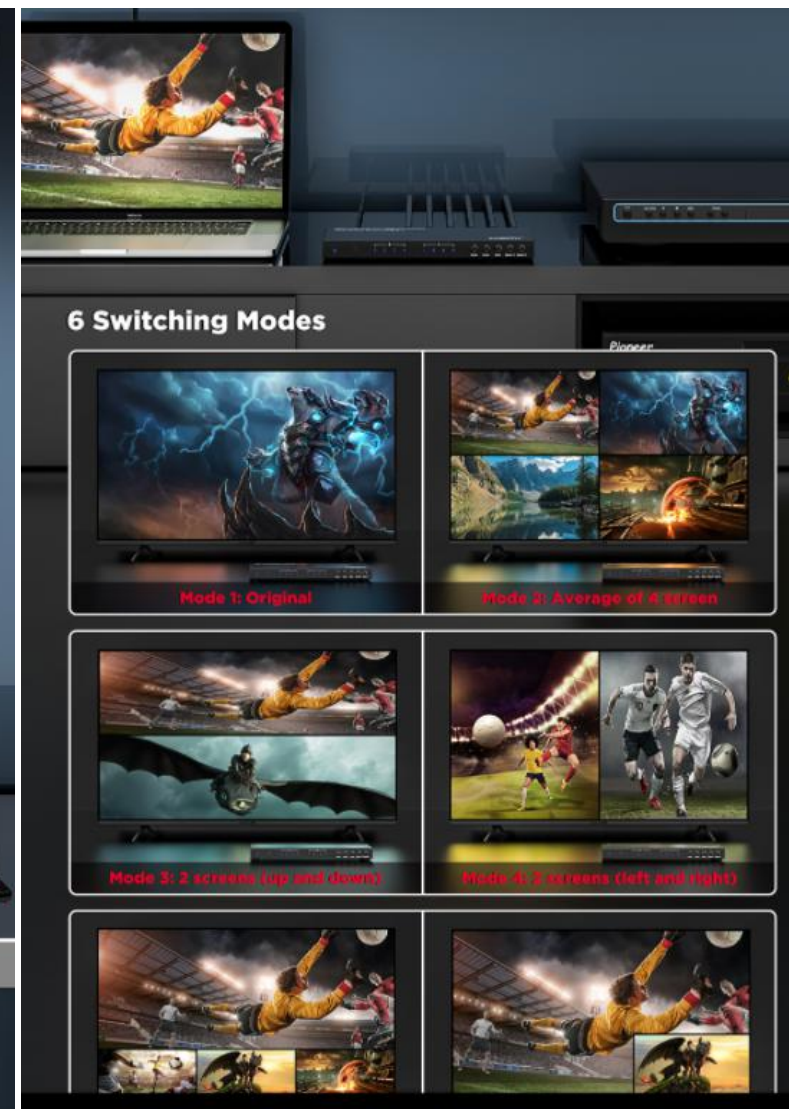




# 4K HDMI Matrix



HDMI 4x2 Matrix Support Quad Multi-Viewer with Seamless Switch, Audio Extractor (SPDIF/Stereo), RS232 and remote Control Function 4K@30Hz



# 4K HDMI Matrix

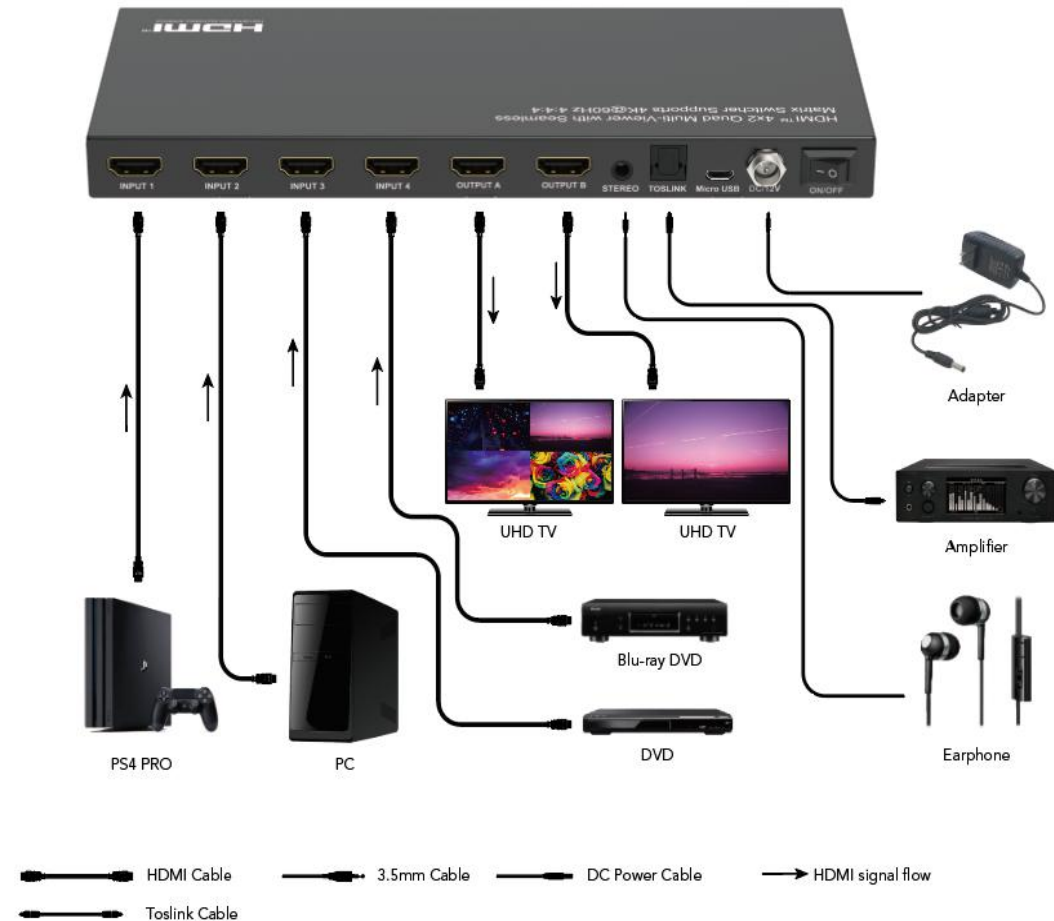


**HDMI 4x2 Matrix Support Quad Multi-Viewer with Seamless Switch, Audio Extractor (SPDIF/Stereo), RS232 and remote Control Function 4K@30Hz**

**P/N: 4PET0402QMS-R**

## Features:

- \*Compliant with HDCP1.4
- \*Support modify the input sources combination as needed at multi-viewer mode
- \*Support change the output picture ratio to full screen or keep the original ratio at multi-viewer mode
- \*Support change the PIP small picture location to any one of the four corner of the screen
- \*Support power-off memory function which can keep the last setup status when power on
- \*Support multiplexed HDMI 4-input and 2-output
- \*Support up to 4K@30Hz high definition resolution
- \*Support 4 by 2 quad multi-viewer and seamless switch (with same resolution)
- \*Support scaler up, scaler down function
- \*Support multi output resolution 1080p/1600P/4K@30Hz
- \*Support digital audio format LPCM/AC3/DTS
- \*Support manual control and IR remote control





**HDMI 4x4 Matrix Support Quad Multi-Viewer with Seamless Switch Function, Audio Extractor (SPDIF/Stereo), Remote Control Function, 4K@30Hz and RS232**

**P/N: 4PET0404QMS**

## Features

- Compliant with HDCPI.4
- Support modify the input sources combination as needed at multi-viewer mode
- Support change the output picture ratio to full screen or keep the original ratio at multi-viewer mode
- Support change the PIP small picture location to any one of the four corner of the screen
- Support power-off memory function which can keep the last setup status when power on
- Support multiplexed HDMI 4-input and 4-output
- Support up to 4K@30Hz high definition resolution
- Support 4 by 4 quad multi-viewer and seamless switch (with same resolution)
- Support scaler up, scaler down function
- Support multi output resolution 1080p/1600P/4K@30Hz
- Support digital audio format LPCM/AC3/DTS
- Support manual control, IR remote control and RS232 control



## Screen Split Mode Configuration



Mode 1: Original



Mode 2: 2 Screen  
(Up and Down)



Mode 3: 2 Screen  
(Left and Right)



Mode 4: Average of 4 Screen



Mode 5: 4Screen  
(1Big 3 Small)



Mode 6: PIP Mode  
(1 Big 1 Small)

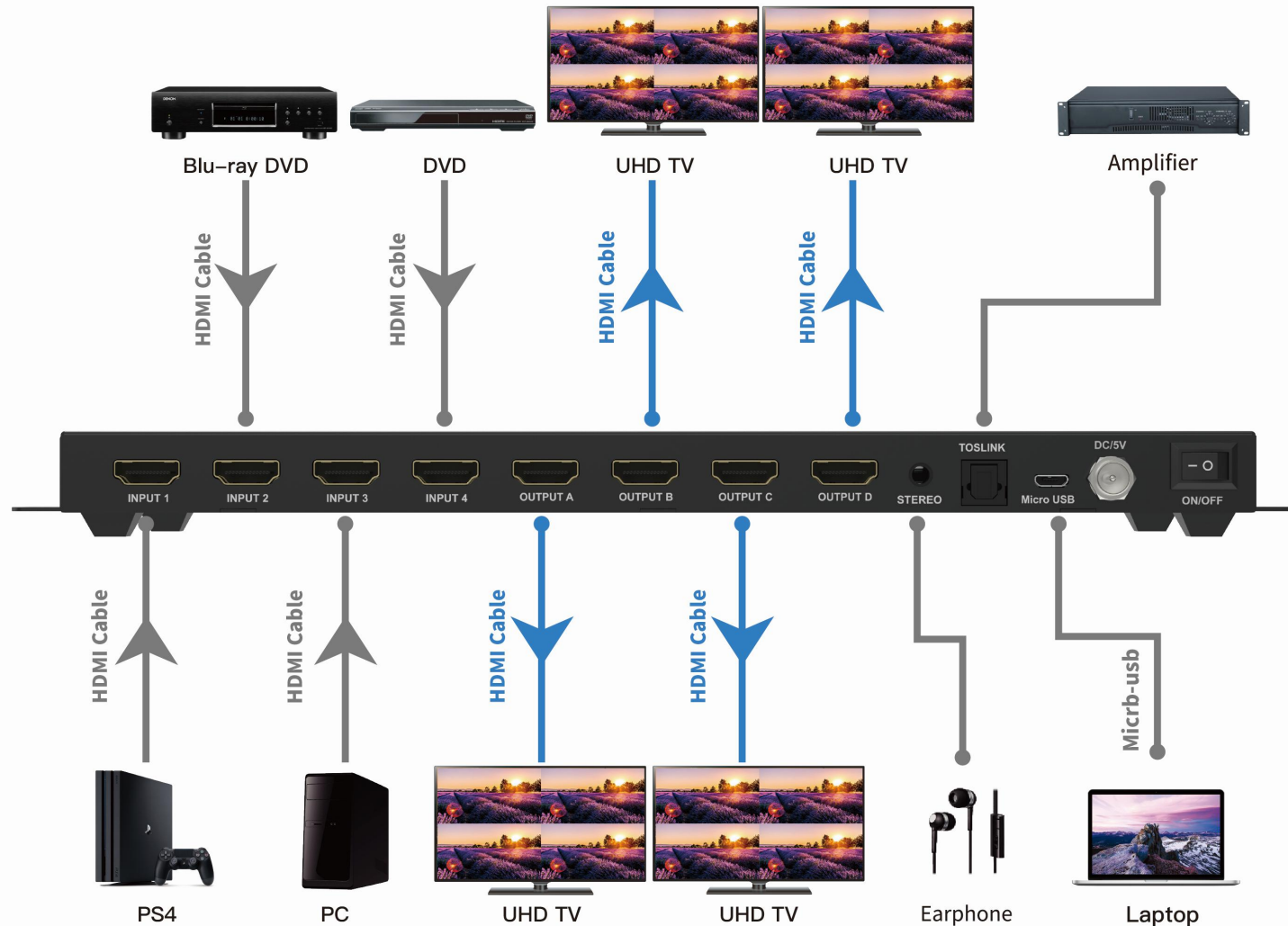


# 4K HDMI Matrix



HDMI 4x4 Matrix Support Quad Multi-Viewer with Seamless Switch Function, Audio Extractor (SPDIF/Stereo), Remote Control Function, 4K@30Hz and RS232

P/N: 4PET0404QMS



# 4K HDMI Matrix

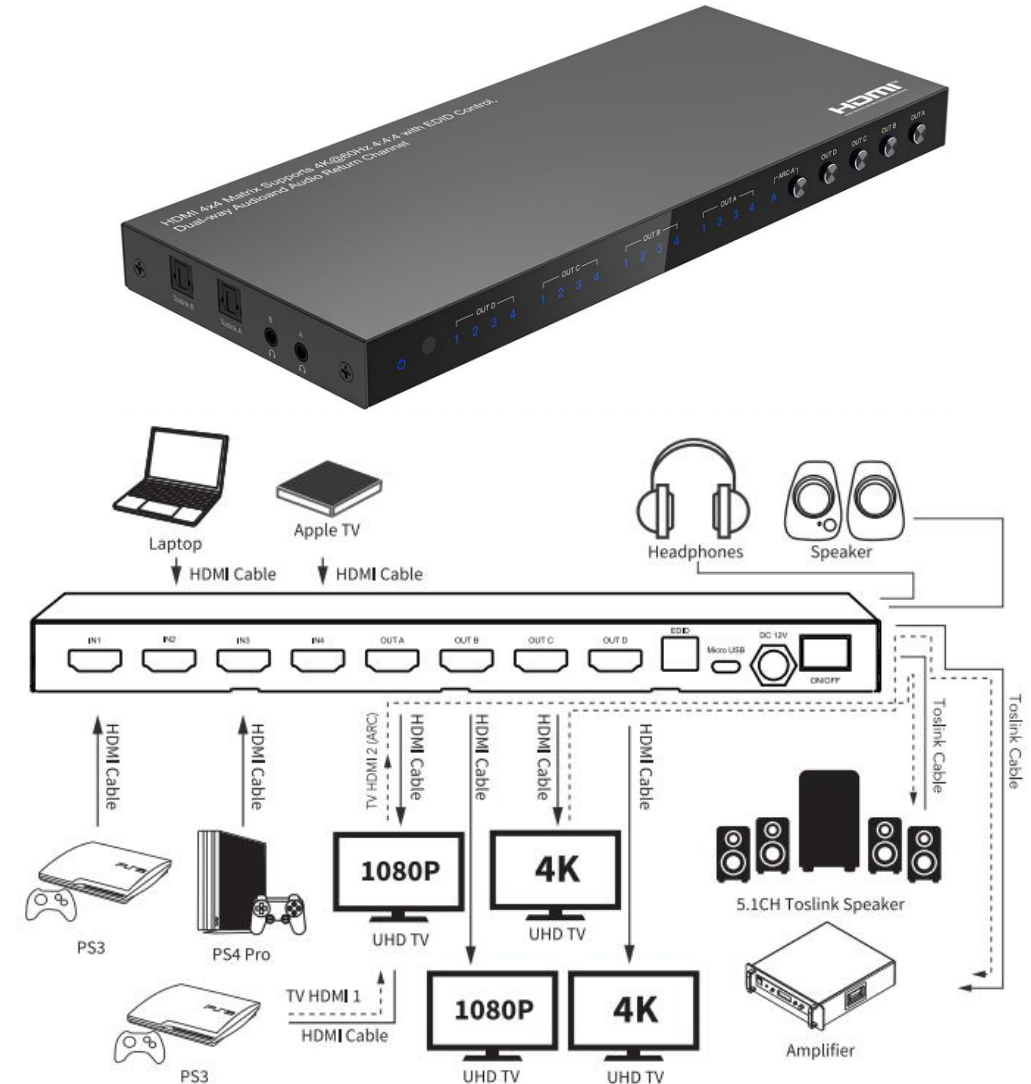


**HDMI 4X4 Matrix support 4K@60Hz 4:4:4 with downscaler, EDID, Dual-way audio and audio return channel RS232**

**P/N: 2PET0404A-AX**

## Features

- \* Support audio output simultaneously: Stereo and Toslink
- \* Audio channels are select-able via remote control
- \* Support downscale function means the product can downscale the input 4K resolution to 1080p by the FHD (1080p) displays and 4K resolution to the 4K displays in the 1x4 splitter mode simultaneously.
- \* Supports highest video resolution up to 4K@60Hz YUV 4:4:4
- \* Support High Dynamic Range (HDR) video
- \* Support dual-way audio extractor for both output A and output B
- \* Support Audio Return Channel (ARC), only output A ports supports ARC function.
- \* Support HDCP2.2 and HDCP1.4
- \* Supports 600MHz/6Gbps per channel (18Gbps all channels) bandwidth
- \* Supports 12 bit per channel (36bit all channels) deep color
- \* Supports uncompressed audio such as LPCM
- \* Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)
- \* Support Full 3D
- \* Support EDID control (management) function





# 4K HDMI Video Wall



HDMI 2x2 Video Wall Processor Supports 4K@30Hz with Audio Extractor and RS232 Control **P/N: 4PET0104VW**

HDMI 3x3 Video Wall Processor Supports 4K@30Hz with Audio Extractor (SPDIF/Stereo) and RS232 Control **P/N: 4PET0109VW**

## HDMI 2x2/3x3 Video Wall Processor

Supports 4K@30Hz with RS232 and IR Control  
Supports independent output rotation(180°)  
Supports Edge Masking function



4K  
30Hz



OSD  
Screen  
Display



P/N.: 4PET0104VW/4PET0109VW

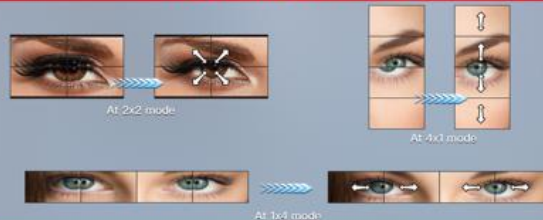
### INTELLIGENT

Support edge masking +/- function to add/cut the output picture edge with 8 pixel each

Support on screen display (OSD) function for mode and port information

Screen display  
(OSD) function

### Edge Masking +/- Function



### INTELLIGENT

Supports independent output rotation (180°)  
for each HDMI output port  
(Mode:2x2/3x3 Only)

It can rotate image 180 degree for each screen, the up row of TV rotated 180 degrees, thereby significantly reducing TVs splicing gap, reducing image distortion caused by the large seam





# 4K HDMI Video Wall



## HDMI 2x2 Video Wall Processor Support s 4K@30Hz with Audio Extractor and RS232 Control

**P/N: 4PET0104VW**

### Features:

- \* Support one HDMI input resolution up to 4K@30Hz
- \* Support four HDMI outputs resolution fixed to 1080p@60Hz
- \* Support various display modes selectable via front button and remote control to combine up to 4 flat panel LCD TVs into one larger display
- \* Support on screen display (OSD) function for mode and port information
- \* Support power-off memory function to keep the last setup status when power on
- \* Supports independent output rotation ( 180 % ) for each HDMI output port ( Mode 1 Only )
- \* Support digital audio format LPCM/AC3/DTS
- \* Support manual control, IR remote control and RS232 control

### Connection Diagram



# 4K HDMI Video Wall



## HDMI 3x3 Video Wall Processor Supports 4K@30Hz with Audio Extractor (SPDIF/Stereo) and RS232 Control

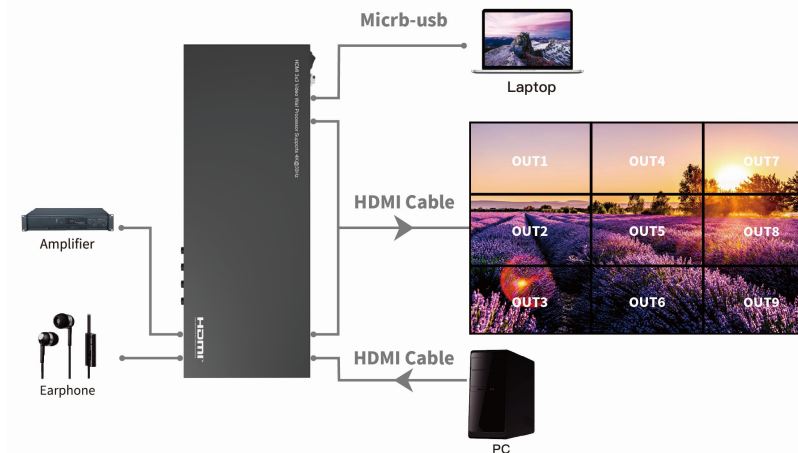
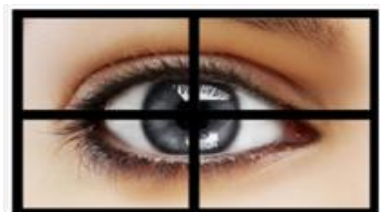
P/N: 4PET0109VW

### Features

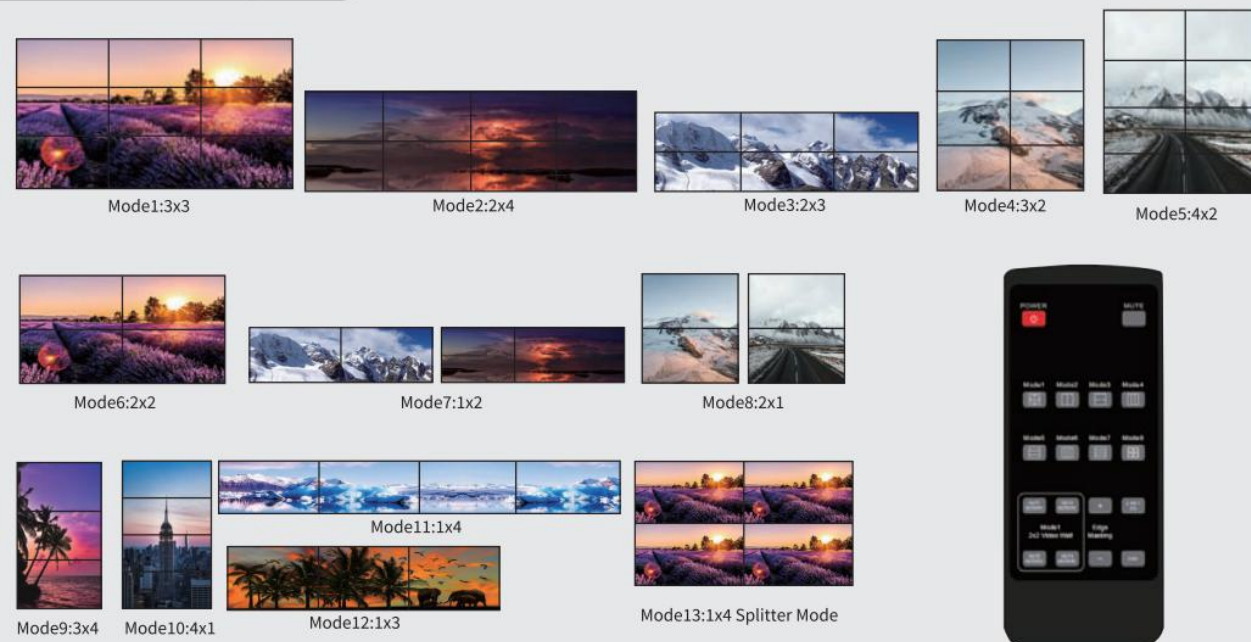
- Support **one HDMI input** resolution up to 4K@30Hz
- Support **nine HDMI outputs** resolution fixed to 1080p@60Hz
- Support various display modes selectable via front button and remote control to combine up to 9 flat panel LCD TVs into one larger display
- Support on screen display (OSD) function for mode and port information
- Support power-off memory function to keep the last setup status when power on
- Support independent output rotation (180 %) for each HDMI output port (Mode 1 Only)
- Support edge masking+/- function to add/cut the output picture edge with 8 pixel each till the total image the customer feel good and no need setting(default zero cut setting and edge adjustment 8x20 pixel max)
- Support digital audio format LPCM/AC3/DTS
- Support manual control, IR remote control and RS232 control

### Edge Masking +/- Function

The image will appear pull-apart on visually and feel very unnatural if no enabled edge mask; Through the edge mask processing, the image without deformation, stretching, more natural and realistic



### Video Wall Mode Configuration



# 4K HDMI Video Wall



HDMI 2x2 Video Wall Processor Supports 4K@60Hz 4:4:4 **HDR** with Audio Extractor (SPDIF/Stereo) and RS232 Control

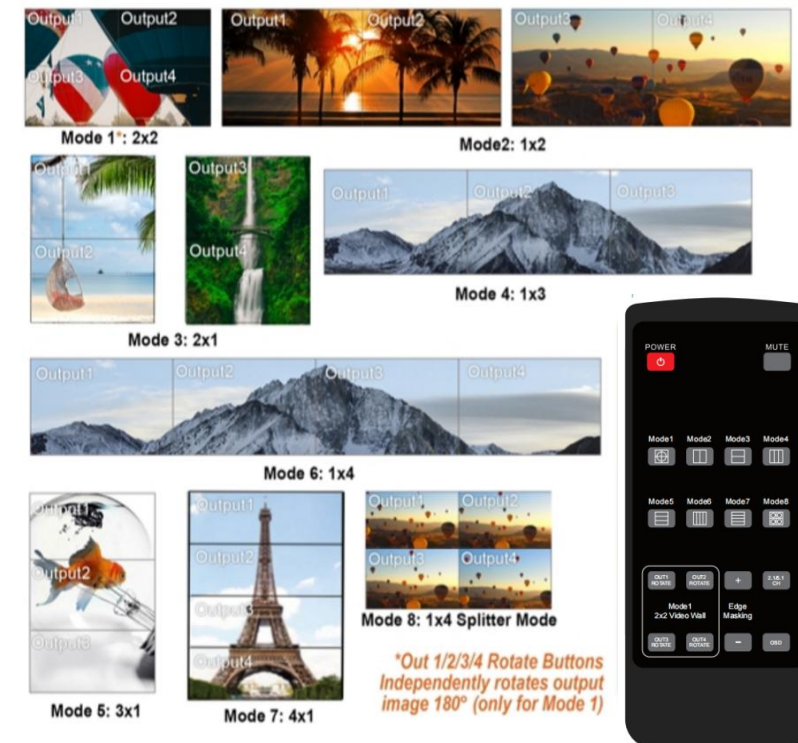
**P/N: 2PET0104VW-X**

## Features:

- \* Support one HDMI input resolution up to 4K@60Hz
- \* Support four HDMI outputs resolution fixed to 1080p@60Hz
- \* Support various display modes selectable via front button and remote control to combine up to 4 flat panel LCD TVs into one larger display
- \* Support power-off memory function to keep the last setup status when power on
- \* Supports independent output rotation ( 180 % ) for each HDMI output port ( Mode 1 Only )
- \* Support digital audio format LPCM/AC3/DTS
- \* Support manual control, IR remote control and RS232 control

## Edge Masking +/- Function

The image will appear pull-apart on visually and feel very unnatural if no enabled edge mask;  
Through the edge mask processing, the image without deformation, stretching, more natural and realistic





# 4K HDMI Video Wall



HDMI 2x2 Video Wall Processor Supports 4K@60Hz 4:4:4 **HDR** with Audio Extractor (SPDIF/Stereo) and RS232 Control

P/N: 2PET0104VW-X



# 4K HDMI IP Extender

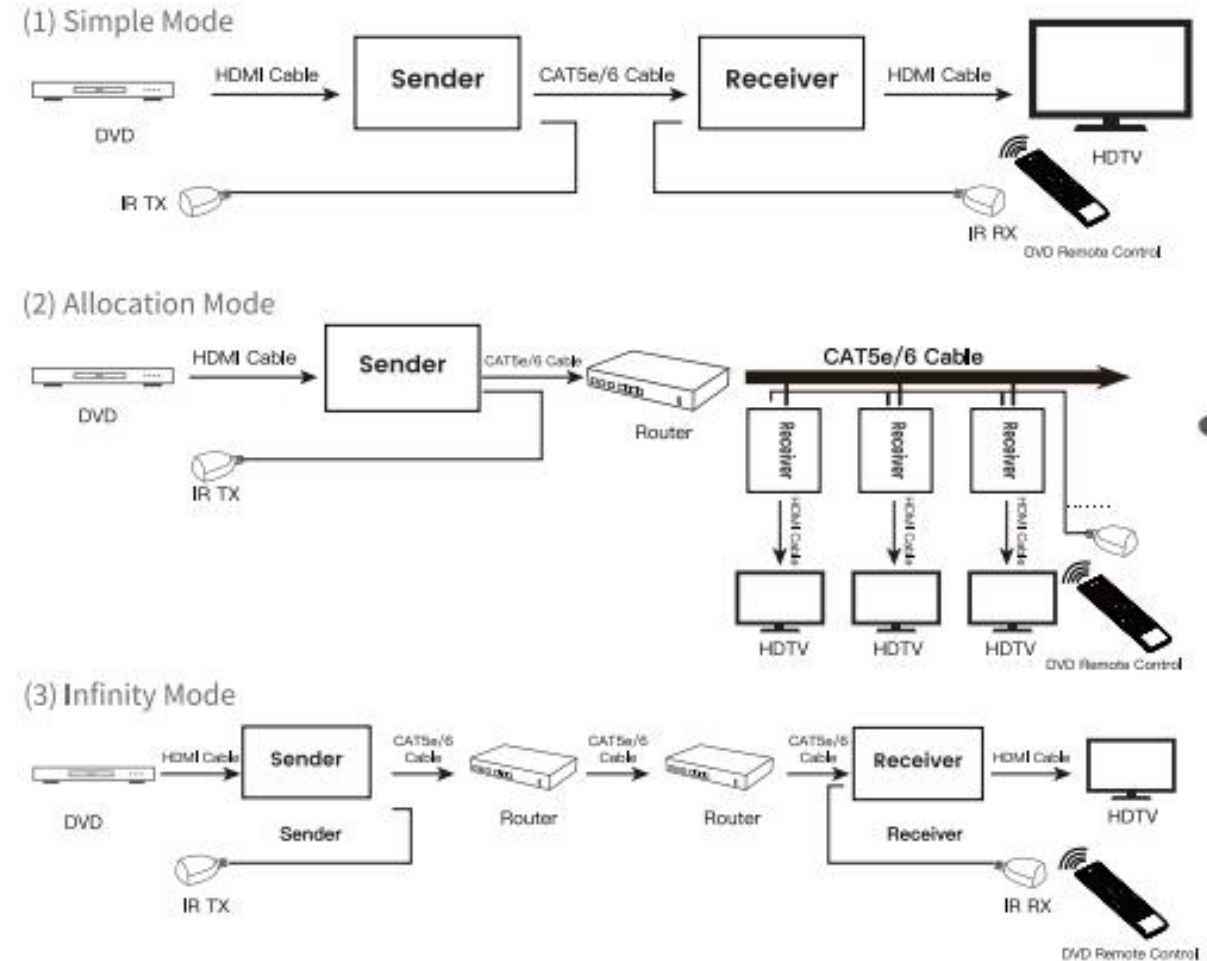


HDMI over TCP/ IP Extender by Single Cat6 Supports 4K@30Hz, 120M (1:N, N:N) and IR

P/N: 4PET120R-C

## Features

- \* Features 3 extension mode: simple mode, allocation mode and infinite mode.
- \* Following TCP/IP standard.
- \* Supports resolution up to 480p/720p/1080i/1080p/4K@30Hz.
- \* Supports max video bandwidth to 3.4Gbps/340MHz per channel(10.2Gbpsall channels).
- \* CAT5e/6 cable follows the standard ofIEEE-568B
- \* Features IR return which enables you to control the video source from your video destination.



# 4K HDMI Extender



HDMI Extender Over Single UTP CAT5e/CAT6 TCP/IP 4k@30Hz(Up to 120 Meters) with KVM

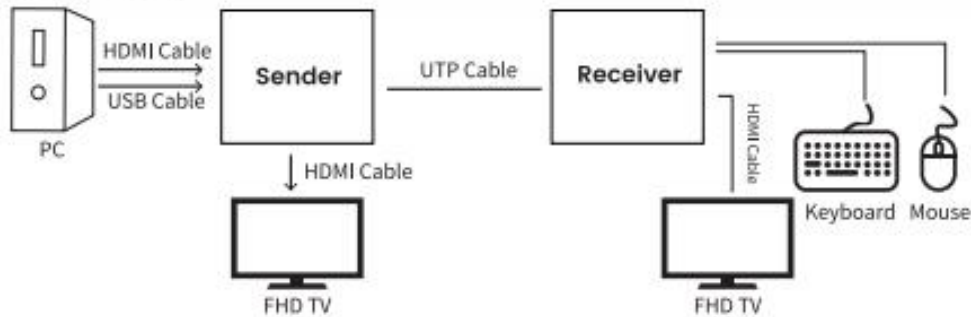
P/N : 4PET120KVM



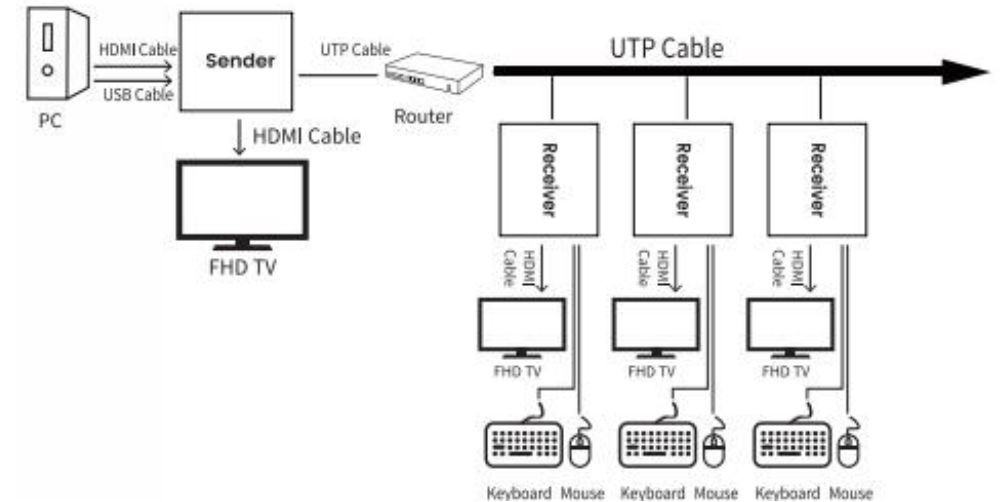
## Features:

- \* Features 2 extension mode: simple mode (1:1), allocation mode (1: N)
- \* Following TCP/IP standard
- \* Supports resolution up to 480p/720p/1080i/1080p/4K@30Hz
- \* Supports max video bandwidth to 3.4Gbps/340MHz per channel (10.2Gbps all channels)
- \* CAT5e/6 cable follows the standard of IEEE-568B
- \* Supports 3D
- \* Supports remote USB mouse and keyboard connection (up to 2 ports at receiver)

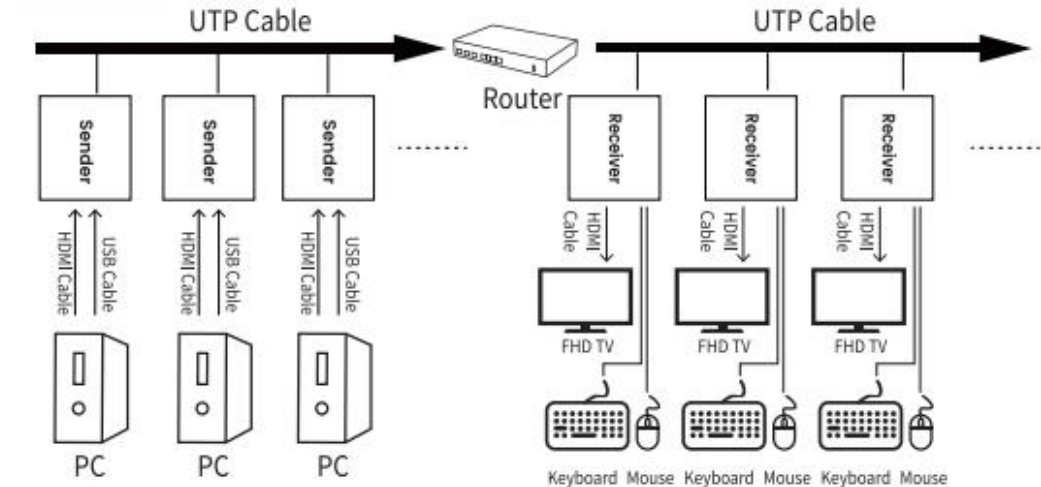
(1) Simple Mode



(2) Allocation Mode



(3) Multiple to Multiple Mode





# 4K@120Hz USB-C Extender

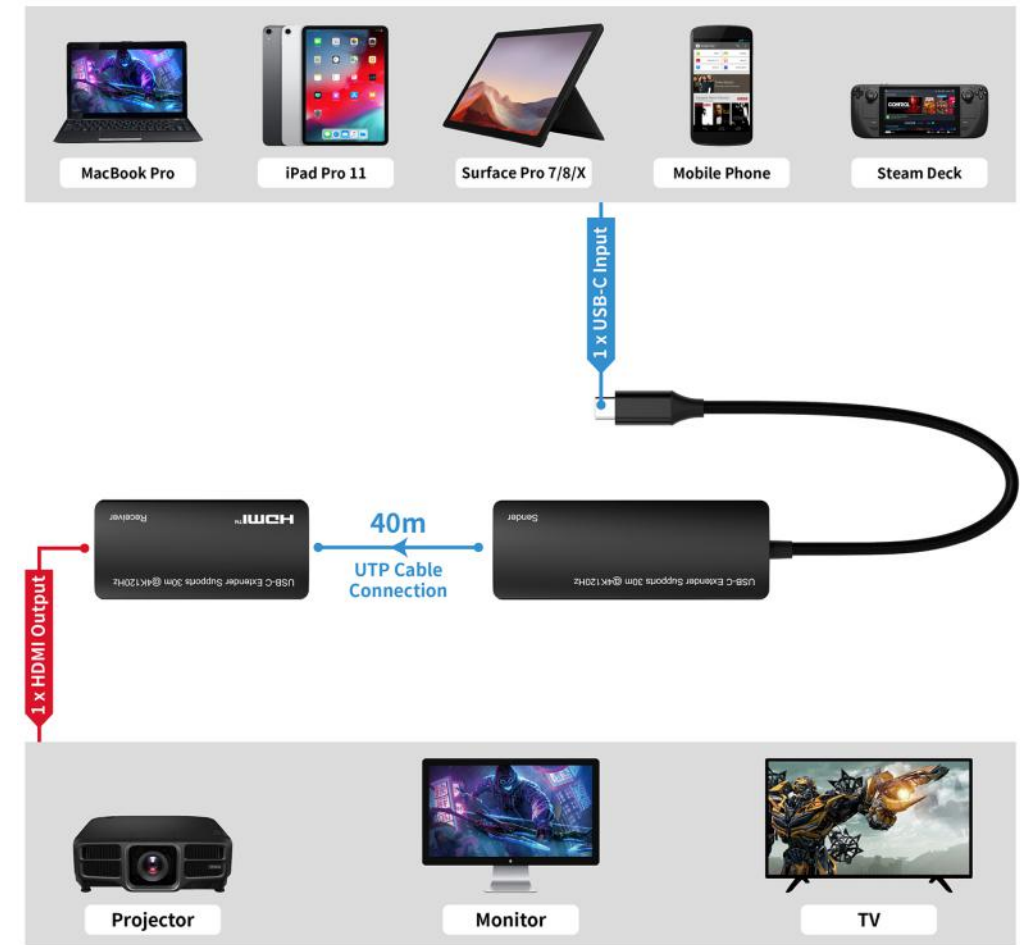


USB-C Extender Supports 30m at 4K@120Hz Over Single UTP  
**P/N: 1PET30CHE**

## Features:

- \* Support USB-C input and HDMI output
- \* Support high resolution up to 4K@120Hz YUV 4:4:4 with DSC function up to 30m (132feet)
- \* Support HDCP 2.3, HDCP 2.2 and HDCP 1.4
- \* Support High Dynamic Range (HDR) video
- \* Support EDID and HDCP bypass
- \* Support digital stream conversion (DSC) function and compatible with the DSC 1.2a
- \* Support highest data transfer rate up to 8Gbps per channel (32Gbps all channels)
- \* TMDS clock can be up to 800MHz
- \* Support 12bit per channel (36bit all channels) deep color
- \* Support uncompressed audio such as LPCM
- \* Support compressed audio such as DTS, Dolby Digital
- \* Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™ and Dolby TrueHD)

## Connection Diagram





SHENZHEN ADDRESS: Block C, Building 2, Saitu Industrial Plant, No. 137, Bulan Road,  
Jihua Street, Longgang District, Shenzhen

PHILIPPINES ADDRESS: Binan City, Laguna, Philippines  
[www.protechet.com](http://www.protechet.com)



 **China Factory**



 **Philippines Factory**