HƆMI®

HIGH-DEFINITION MULTIMEDIA INTERFACE

USER MANUAL

KVM HDMI 4x1 Quad Multi-viewer
(4K@60Hz)

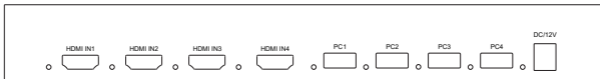**Enjoy the vivid world!**

INTRODUCTION

     KVM HDMI 4x1 Quad Multi-viewer is a high performance with four HD screen segmentation. It can display 4HD digital video signal on the same screen, and has a variety of video segmentation. The control methods of the switch is flexible, it can be switched via button and IR control. It's a very practical and stable switch and easy to install, can be used in the major projects, meeting halls and other places.
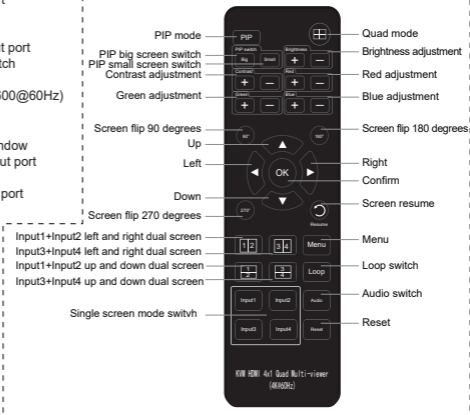

Features:

* Support 4 HDMI inputs, 1 HDMI output ;
* Support 4 channels HDMI signal screen segmentation ;
* Support input highest resolution up to 4K/30Hz;
* Support Output resolution 4K@60Hz, 4K@30Hz, 1080P@60Hz, 2560x1600@60Hz;
* Support IR control ;
* Support audio output format: PCM2.0 ;
* Support 24/30/36 bit deep color;
* Support standard AWG26 cable, input up to 15 metres ,output up to 15 metres ;
* Supports 1 way mouse and keyboard to control 4 ways PC host ;
* USB supports Windows、Linux、 MAC OS and Android operation system,etc;
  Plug and play;
* Supports USB 2.0 Low speed(1.5Mb/s); Full speed(12Mb/s) ;

Operating and Connecting

ON / OFF RS232 Keyboard Mouse USB1 USB2 HDMI OUT A.B.C.D Audio Video IR

HDMI IN1 HDMI IN2 HDMI IN3 HDMI IN4 PC1 PC2 PC3 PC4 DC/12V

ON/OFF --- Power switch
RS232 --- RS232 port
Keyboard --- Keyboard port
Mouse --- Mouse port
USB1-2 --- USB port
HDMI OUT --- HDMI output port
A/B/C/D --- Resolution switch
 (A:1080P; B:4K@60Hz;
  C:4K@30Hz; D:2560x1600@60Hz)
Audio --- Audio switch
Video --- Video switch
IR --- Infrared receiving window
HDMIIN1-IN4 --- HDMI input port
PC1-PC4 --- PC input port
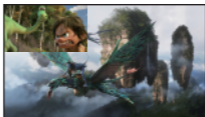DC/12V --- DC 12V power port

Remote control instructions:

PIP mode — PIP
Quad mode
PIP big screen switch — Big
Brightness adjustment
PIP small screen switch — Small
Contrast adjustment
Red adjustment
Green adjustment — Green
Blue adjustment

Screen flip 90 degrees — 90°
Screen flip 180 degrees — 180°
Up
Left — OK — Right
Confirm
Down
Screen resume — Resume
Screen flip 270 degrees — 270°

Input1+Input2 left and right dual screen — 1 2
Input3+Input4 left and right dual screen — 3 4
Menu — Menu
Input1+Input2 up and down dual screen
Input3+Input4 up and down dual screen
Loop switch — Loop

Input1 Input2 Audio
Single screen mode switvh
Input3 Input4 Reset
Audio switch
Reset

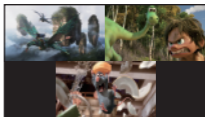KVM HDMI 4x1 Quad Multi-viewer
(4K@60Hz)

Application diagrams

8 modes for switching:
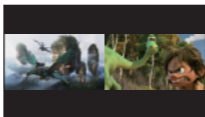

Single screen

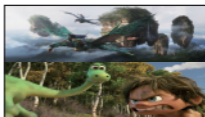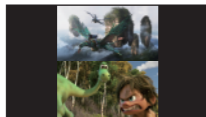Picture in Picture

Three pictures

Left and right dual picture
----stretch

Left and right dual picture
----proportional ratio

Up and down dual screen
----stretch

Up and down dual screen
----proportional ratio

Four pictures

KVM (mouse and keyboard) connection operation:

1.1: Connect PC1-PC4 ports on the switcher and signal source (such as USB port on the computer) with 4 USB 2.0 cable .

1.2: Connect to Keyboard/Mouse ports on the switcher with USB mouse and keyboard .

2.1: KVM synchronization function mode, click'*'+'0' to enter the synchronization mode, and the 4 LEDs on the 'PC1-PC4' port will all light up, then the mouse and keyboard can control the PC on the 4 ports at the same time (Such as a computer); if you want to exit the synchronization function, click '*'+'0' or enter other switching modes to exit.

2.2: Kvm function switch:

PC1: click '*'+'F1'   PC2: click '*'+'F2'
PC3: Click '*'+'F3'   PC4: Click '*'+'F4'

2.3: Mouse through mode: Click '*'+'S' to move the mouse through PC1-PC4.

Note: The Keyboard/Mouse port is connected to the mouse and keyboard. After the switch is powered on, it is connected to the 'PC1' port by default. When the LED of that PC port is on, it is switched to the corresponding PC. It takes a certain amount of time (usually a few seconds, depending on the operating system) when each PC port is connected to the signal source for the first time, and the control can be quickly switched after connection.

Keyboard hotkey:

'*'+'1': Choosing HDMI IN1 signal;   '*'+'2': Choosing HDMI IN2 signal;
'*'+'3': Choosing HDMI IN3 signal;   '*'+'4': Choosing HDMI IN4 signal;
'*'+'5': Switching to quad multiviewer mode ;   '*'+'F7': PIP mode ;

Specifications：

HDCP version	HDCP 1.4
Color format	RGB 4:4:4; YUV 4:4:4; YUV 4:2:2
Audio format	Stereo
Max bandwidth	600MHz
Max baud rate	6x3Gbps
Maximum working current	0.8 A
Power adapter format	Input AC (50 hz, 60 hz) 100V to 240V; Output: 12V DC
Operating Temperature range	(10 ~ + 45 ℃)
Dimension	258x154x37(mm)
Weight	1239g

The Package includes:

1. KVM HDMI 4x1 quad multi-viewer	1PC		4. Remote control	1PC
2. 12V/ 2A power adapter	1PC		5.User manual	1PC
3. 1.5m A type USB extension cable	4PCS			