

# eiRa ER2803QKVM HDMI Quad Multi Viewer User Manual

Home » eira » eiRa ER2803QKVM HDMI Quad Multi Viewer User Manual 🖫

# Contents 1 eiRa ER2803QKVM HDMI Quad Multi Viewer 2 Introduction 3 Specifications 4 8 modes for switching 5 Physical interface diagram 6 Application Diagrams 7 The Package Includes 8 FAQ 9 Documents / Resources 9.1 References



# eiRa ER2803QKVM HDMI Quad Multi Viewer



### Introduction

The KVM HDMI 4×1 Quad Multi-viewer represents a cutting-edge solution for seamlessly managing and displaying multiple HD video sources on a single screen. Designed for versatility and performance, this device supports up to four HD digital video signals, allowing users to monitor and switch between different sources effortlessly. With flexible control options including mouse, keyboard, button, and IR remote control, it offers intuitive operation in various environments such as meeting halls and major projects. Its robust and stable performance, coupled with easy installation, makes it an ideal choice for enhancing productivity and efficiency in multi-system setups.

### Features:

- Support 4 HDMI inputs, 1 HDMI output;
- Support 4 channels HDMI signal screen segmentation;
- Support highest resolution up to 4K@30Hz;
- Support resolution 4K,1080P,720P,1024X768,1360X768,etc;
- Support IR control for convenient remote operation;
- Support audio output format: PCM;
- 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;
- Support USB 1.1 Low speed(1.5Mb/s); Full speed(12Mb/s);

# **Specifications**

• HDMI resolution: Supports resolutions up to 4K/30Hz

• Audio format: PCM

• Input cable distance: ≤10 meters using AWG26 HDMI standard cable at 4K/30Hz

Output cable distance: ≤10 meters using AWG26 HDMI standard cable at 4K/30Hz

Max bandwidth: 340MHzMax baud rate: 3.4 x 3Gbps

• Maximum working current: 950 mA

• Power adapter format: Input AC 100V to 240V, 50Hz/60Hz; Output DC 5V 1.5A

Operating Temperature range: -10°C to +45°C

• **Dimensions:** 177 x 58 x 20 mm

• Weight: 224 grams

# 8 modes for switching



Single Screen



Dual Screen (Side by Side)



Dual Screen (Top & Bottom)



Picture in Picture (PiP)



Triple Screen



Quad Screen (One Big & 3 Small)

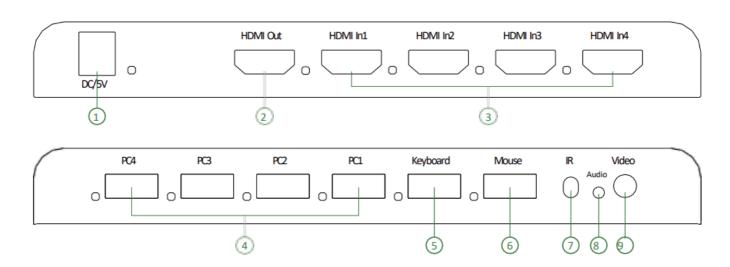


Quad Screen (2 Big & 2 Small)



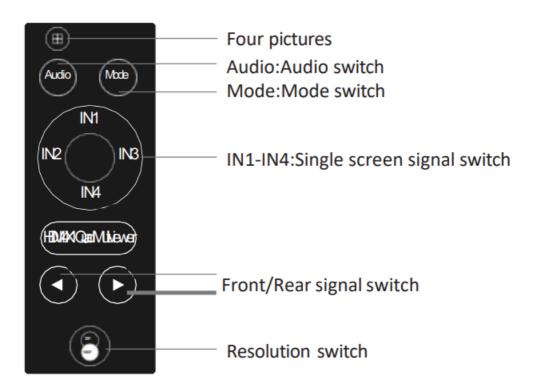
Quad Screen (4 Equal)

# Physical interface diagram

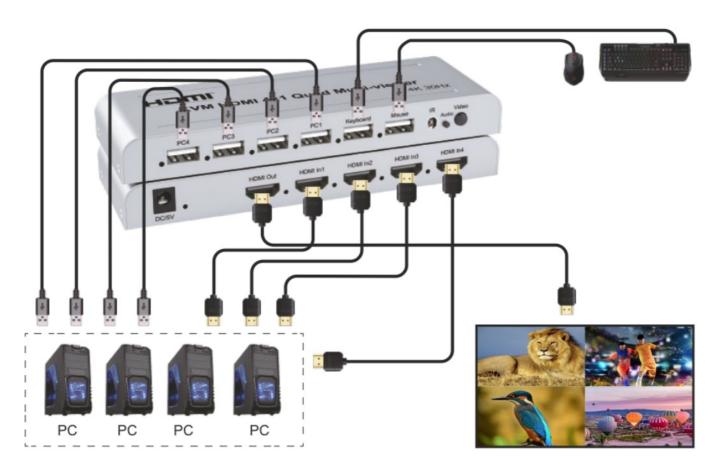


- 1. DC/5V DC 5V power port
- 2. HDMI Out HDMI output port
- 3. HDMI In1-4 HDMI input port
- 4. PC4-1 PC input port
- 5. Keyboard Keyboard port
- 6. Mouse Mouse port
- 7. IR Infrared receiving port
- 8. Audio Audio switch
- 9. Video Video switch

### Remote control instructions:



# **Application Diagrams**



# KVM (mouse and keyboard) connection operation:

- 1. Connect PC1-PC4 ports on the multi-viewer and signal source (such as USB port on the computer) with 4 USB 2.0 cable.
- 2. Connect to Keyboard/Mouse ports on the multi-viewer with USB mouse and keyboard.

3. KVM synchronization function mode, click'\*'+'A' to enter the synchronization mode, andthe 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 '\*'+'A' or enter other switching modes to exit.

### 4. KVM function switch:

```
• PC1: click "*'+'F1"
```

- PC3: Click "\*"+"F3"
- PC2: click '\*'+'F2'
- PC4: Click '\*'+'F4'
- 5. **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 multi-viewer 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" Quad multiviewer mode
- '\*'+'6' One big and three small mode;
- ""+", Four pictures-H mode;
- '\*'+'8' Three small mode;
- '\*'+'9' Pictures in pictures mode;
- '\*'+'F5': Left and right dual picture mode(ln1/ln2);
- '\*'+'F6': Left and right dual picture mode (In3/In4);
- '\*' + '**F7**': Switch output resolution (4K/1080P/720P);
- '\*'+'Pgup': Up and down dual picture mode(In1/In2);
- '\*'+'PgDn': Up and down dual picture mode(In3/In4);
- '\*' +'F9': Mouse absolute coordinate mode (PC);
- '\*'+ 'F10': Mouse Relative Coordinate Mode (NVR)

### **Note**

If the mouse through function cannot be used, Please confirm that it is mouse absolute coordinate mode (\* + F9).

# The Package Includes

- 1. KVM HDMI 4×1 quad multi-viewer / 1PC
- 2. Power adapter / 1PC
- 3. A type USB cable / 4PCS

- 4. Remote control / 1PC
- 5. User manual / 1PC

# **FAQ**

# **Frequently Asked Questions**

- Q: How can I switch between different input modes?
  - **A**: Use the remote control provided with the HDMI Quad Multi-Viewer to switch between different input modes. Refer to the remote control instructions section in the user manual for details.
- Q: What is the default input port when the multi-viewer is powered on?
  - A: The default input port when the multi-viewer is powered on is PC1. You can switch between different PCs using the remote control or the specified key combinations.



# **Documents / Resources**



eiRa ER2803QKVM HDMI Quad Multi Viewer [pdf] User Manual ER2803QKVM HDMI Quad Multi Viewer, ER2803QKVM, HDMI Quad Multi Viewer, Multi Viewer

# References

• User Manual

### Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.