

CQ4110K

4K60 4-Input HDMI / USB KVM Multi-Viewer Switch

4 HDMI + 4 USB Inputs, 4K60 Output, Multi-View, PIP, Cross-Screen KVM, RS-232

Product Overview

PANIO CQ4110K combines four HDMI inputs and four USB host connections into a single-screen KVM multi-view system. It supports full-screen, 2-split, 3-split, 4-split, and picture-in-picture layouts for centralized viewing and control of multiple computers.

The HDMI output supports up to 4K@60Hz. Input 1 supports up to 3840×2160@60Hz, while inputs 2–4 support up to 3840×2160@30Hz. Mouse cross-screen switching, zero-second source switching, RS-232 control, scene storage, audio separation, and screen rotation provide flexible operation.

Diagram



Product Features

- **4-Port HDMI + USB Inputs:** Supports four HDMI signal inputs and four USB host connections.
- **4K60 Ultra HD Output:** Supports output resolutions up to 3840×2160@60Hz.
- **Multi-View Display Modes:** Built-in full-screen, 2-split, 3-split, 4-split, and PIP layouts.
- **Mouse Cross-Screen Switching:** Move the mouse across split-screen boundaries to control other computer hosts.
- **Zero-Second Fast Switching:** Changes signal sources without a black screen.
- **Screen Rotation:** Supports 90°/180° full-screen rotation and 180° rotation for individual windows in 4-split mode.
- **Flexible Control Methods:** Button, hotkey, remote control, mouse cross-screen switching, and RS-232 commands.
- **Audio / Video Separation:** Built-in 3.5 mm audio output supports connection to external speakers.
- **Scene Storage:** Stores up to four custom scenes for quick recall without reconfiguration.
- **Adjustable Screen Layout:** Reposition windows in split-screen mode without reconnecting signal sources.

Specification

Parameter	Specification
Model	CQ4110K
Product Type	4K HDMI KVM multi-computer centralized manager
Input	4 × HDMI; 4 × USB
Output	1 × HDMI; 2 × USB for mouse / keyboard; 1 × 3.5 mm audio
Input Resolution	HDMI input 3: up to 3840×2160@60Hz; inputs 1 2 4: up to 3840×2160@30Hz
Output Resolution	4K60, 4K30, 1080p, 720p
Presentation Mode	Full screen; 2-split; 3-split; 4-split; 1-large + 1-small PIP; 1-large + 2-small PIP
Transmission Distance	Standard HDMI cable: input and output each up to 5 m; use an extender beyond this length
Control Method	Remote control, button, hotkey, USB mouse cross-screen switching, RS-232 command
Power	DC 12V 2A

Interface & System Architecture

Interface	Description
HDMI Inputs	4 × HDMI signal inputs: 1 × HDMI 2.0 and 3 × HDMI 1.4
USB Host Inputs	4 × USB host connections for four computers
HDMI Output	1 × HDMI output with resolutions up to 4K@60Hz
USB HID Outputs	2 × USB ports for keyboard and mouse
Audio Output	1 × 3.5 mm audio output for external speakers
Control Interfaces	Buttons, hotkeys, remote control, USB mouse cross-screen switching, and RS-232

Display & KVM Functions

- **Flexible Multi-View Layout:** Display one, two, three, or four HDMI sources on one monitor, including 1-large + 1-small and 1-large + 2-small PIP modes.
- **Centralized KVM Control:** Use keyboard, mouse, hotkeys, remote control, or RS-232 to switch and operate connected computer hosts.

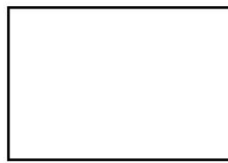
Mechanical & Connection

Parameter	Specification
Dimensions	223 × 92 × 44 mm (L × W × H)
Weight	800 g
Power Input	DC 12V 1.5A
HDMI Cable Limit	Standard HDMI cable: input and output each up to 5 m
HDMI Cable Requirement	Use a 4K HDMI cable for signal connection

Package Contents & Cable Notes

- **CQ4110K:** 1 unit
- **DC 12V 1.5A Power Adapter:** 1 unit
- **Remote Control:** 1 unit
- **User Manual:** 1 unit
- **Remote Battery:** Not provided

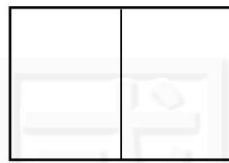
Segmentation MODE



will separately display each input



dual view(PIP;the smaller picture is on the right bottom)



Dual view



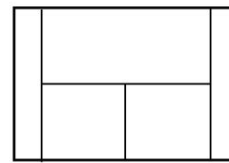
will display 3 pictures(one big plus two small)



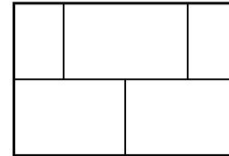
Quad view



dual view(PIP;the smaller picture is on the left top)



display 3 inputs(one up plus two below, the below two zoom out)



will display 3 inputs, one up and two below, the below two with original size

Advanced Display Functions

- **Quick Switching:** Features 0-second switching with no black screen when changing signal sources.
- **Mouse Cross-Screen Switching:** Move the mouse seamlessly between split-screen windows to control other computer hosts.
- **Screen Rotation:** Supports 90° and 180° full-screen rotation, plus 180° rotation for individual windows in 4-split mode.
- **Undistorted Dual View:** Maintains a 16:9 aspect ratio without distortion in dual-split display mode.
- **Scene Saving:** Stores up to four custom scenes for quick recall without reconfiguration.

Installation Recommendations

- Use a 4K cable for signal connection.
- Use the original certified USB cable.
- Avoid using uncertified switchers, distributors, converters, or similar devices.
- Use the original certified adapter to maintain quality and stability.
- Connect all four USB and HDMI cables correctly; incorrect or incomplete connections may cause keyboard and mouse malfunctions.

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