

iSwitch 402KVM

4K60 4x2 Multiviewer with KVM

Datasheet V1.0



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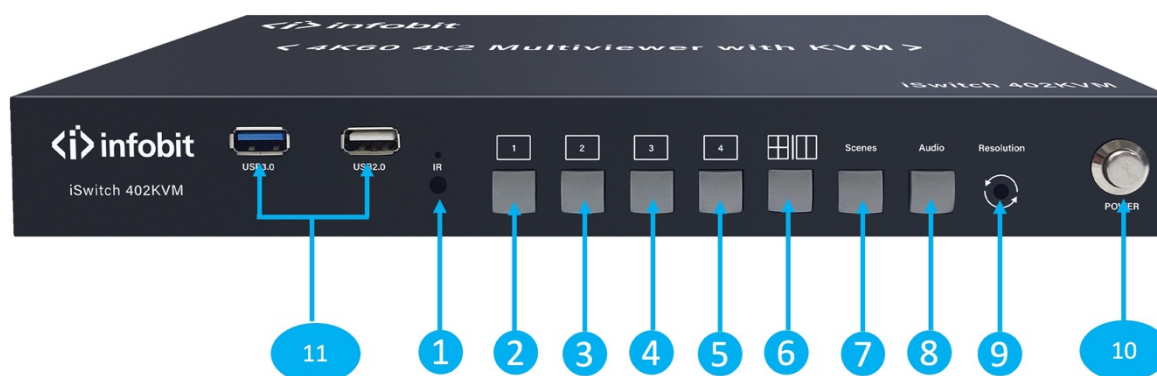
1. OVERVIEW

As a user-friendly 4K60Hz multiviewer processor with KVM switch, the **iSwitch 402KVM** is designed to display 4 channels 4K60Hz video sources on one 4K@60Hz display, the positions and sizes of each input window can be adjusted arbitrarily. With the built-in KVM feature, the user can control 4x PCs with a set of keyboard and mouse. The **iSwitch 402KVM** adopts cutting-edge pure-hardware structure design, which means there is no need for computer and control software. It can be controlled by front panel buttons, IR remote control, USB mouse & keyboard. The intuitive OSD interface ensures easy and fast setup for users of all technical levels.

2. FEATURES

- 4xHDMI 2.0 inputs, 2xHDMI 2.0 outputs, 1xHDMI 2.0 loop out, all up to **4K@60Hz 4:4:4**.
- Display and control 4 input sources with only one set of mouse and keyboard.
- Play-and-Play, no need control software, just power up and operate it.
- Adjust inputs window size and switch signals by mouse and keyboard.
- The position and size of the 4 input windows can be adjusted **arbitrarily**.
- Multiple display layouts include quad-view, triple-view, dual-view and full view.
- Quad-view for 2 duplicate outputs or dual-view for 2 different outputs.
- External USB devices like printer, webcam, microphone, speakerphone can be shared by 4 PCs device at the same time via front USB ports.
- Each video window support freely overlay, resize, moving and overlap.

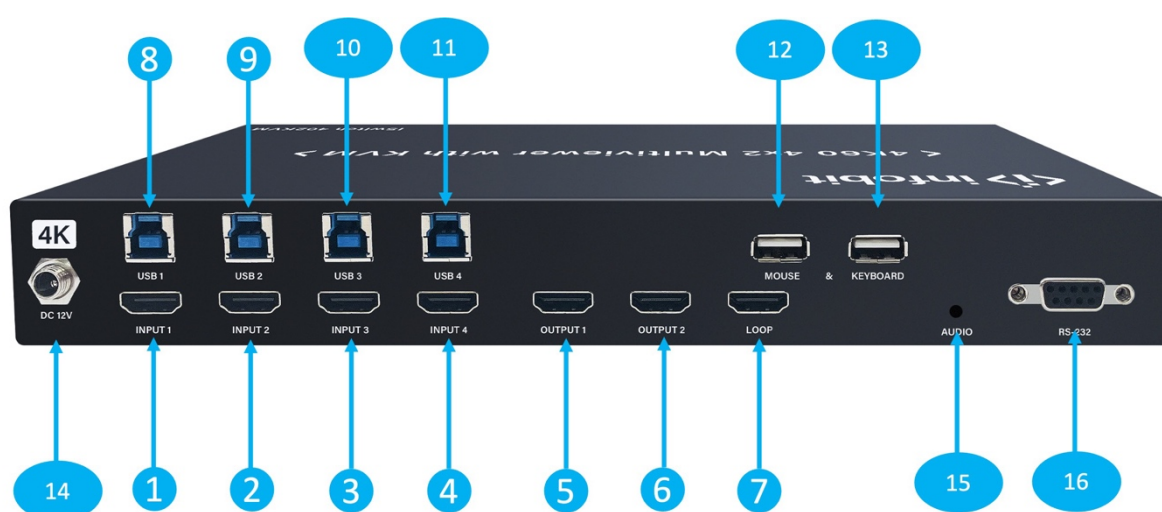
3. FRONT PANEL



No.	Name	Function
1	IR Receiver	Receive signals from the IR remote control.
2	1	Short press the button to select input 1 on full screen. Long press it for 3 seconds to select input 1 as loop out.
3	2	Short press the button to select input 2 on full screen. Long press it for 3 seconds to select input 2 as loop out.
4	3	Short press the button to select input 3 on full screen. Long press it for 3 seconds to select input 3 as loop out
5	4	Short press the button to select input 4 on full screen. Long press it for 3 seconds to select input 4 as loop out.
6		Switch between the Quad-view mode and Dual-view mode. Quad-view mode for 2 duplicate outputs Dual-view mode for 2 different outputs
7	Scenes	Select preset scenes from M1, M2 and M3.
8	Audio	Switching embedded audio among 4 HDMI inputs.
9	Resolution	Press the button to switch output resolution.
10	Power	Power ON/OFF switch.

11	USB	External USB device can be shared by 4 inputs at the same time via these 2 USB ports.
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4. REAR PANEL



No.	Menu	Function
1	Input 1	HDMI input interface 1, resolution up to 4K60hz
2	Input 2	HDMI input interface 2, resolution up to 4K60hz
3	Input 3	HDMI input interface 3, resolution up to 4K60hz
4	Input 4	HDMI input interface 4, resolution up to 4K60hz
5	Output 1	HDMI output interface 1, resolution up to 4K60hz
6	Output 2	HDMI output interface 2, resolution up to 4K60hz
7	LOOP	HDMI loop out interface, resolution up to 4K60hz

8	USB 1	USB/BM input interface 1, connect it with PC input 1 for KVM control
9	USB 2	USB/BM input interface 2, connect it with PC input 2 for KVM control
10	USB 3	USB/BM input interface 3, connect it with PC input 3 for KVM control
11	USB 4	USB/BM input interface 4, connect it with PC input 4 for KVM control
12	MOUSE	Connect this USB interface with Keyboard/Mouse for KVM control.
13	KEYBOARD	Connect this USB interface with Keyboard/Mouse for KVM control.
14	DV12V	Power supply interface, DC 12V 2A
15	Audio	HDMI audio de-embedding output via this 3.5mm analog audio jack.
16	RS232	Third party central control via this RS232 interface.

5. SPECIFICATION

Model	iSwitch 402KVM
Name	4K60 4x2 Multiviewer with KVM
Inputs	4 x HDMI, 4 x USB/BM, 1 USB2.0+1 USB3.0
Outputs	2 x HDMI, 1 x HDMI LOOP out
Audio Output	1 x 3.5mm
Input resolution	3840x2160@60Hz, 4:4:4
Output resolution	3840X2160@60Hz, 3840X2160@30Hz, 1920X1200@60Hz, 1920X1080@60Hz, 1920X1440@60Hz, 2048X1152@60Hz, 2560X1080@60Hz, 2560X1440@60Hz, 2560X1600@60Hz, DCI 3840X2160@30Hz, DCI 3840X2160@60Hz.
Display mode	Quad/Triple/Dual/Full-view mode (for 2 duplicate outputs) Dual/Full view modes (for 2 different outputs)
Front Panel Buttons	1/2/3/4: Short press the number button 1/2/3/4 to select input 1/2/3/4 in full screen. Long press the number button 1/2/3/4 to select the input 1/2/3/4 to loop out. : Quad view mode for 2 duplicate outputs or Dual view mode for 2 different outputs Scenes: Select preset scenes from M1, M2 and M3. Audio: Select embedded audio from 4 HDMI inputs Resolution: Press the button to select output resolution. ON/OFF: Power on/off switch. USB: External USB device can be shared by 4 input PCs
IR	1 x IR remote control
USB	2 x USB/AM for mouse and keyboard
RS232	Command for third party control system
Power	DC 12V 2A
Power consumption	22W

Operating Temperature	-20°C ~ 60°C
Operating Humidity	10~90% RH
Dimensions	280x127x35 mm (L x W x H)
Weight	1Kg

6. DIAGRAM

