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SC T HKM41E 4×1 HDMI KVM Multiviewer and Seamless Switcher User Manual

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Contents

Introduction

HKM41E is a 4 input HDMI automatic KVM switcher that supports resolution up to 1080p@60Hz 4:4:4. This switcher is designed to control four HDMI sources (PC/NVR/DVR) from an HDMI display, a keyboard and a mouse. It also supports Multiview function which can reproduce all four images in one screen.

Features

- Resolution up to 1080p@60Hz 4:4:4.
- Supports Multiview function, providing different working modes.
- Controlled by panel buttons, keyboard/mouse, IR remote.
- Support mouse roaming, using one display and one keyboard/mouse to control four PC. Just move the mouse across the multi-viewer border, and the mouse immediately switches to the source and take control of the device.

Installation view
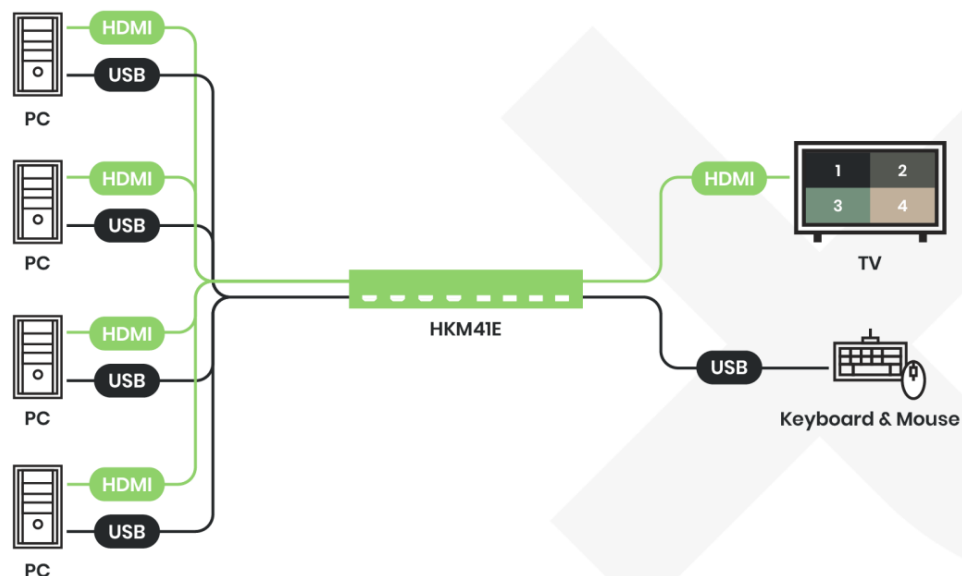
Panel view
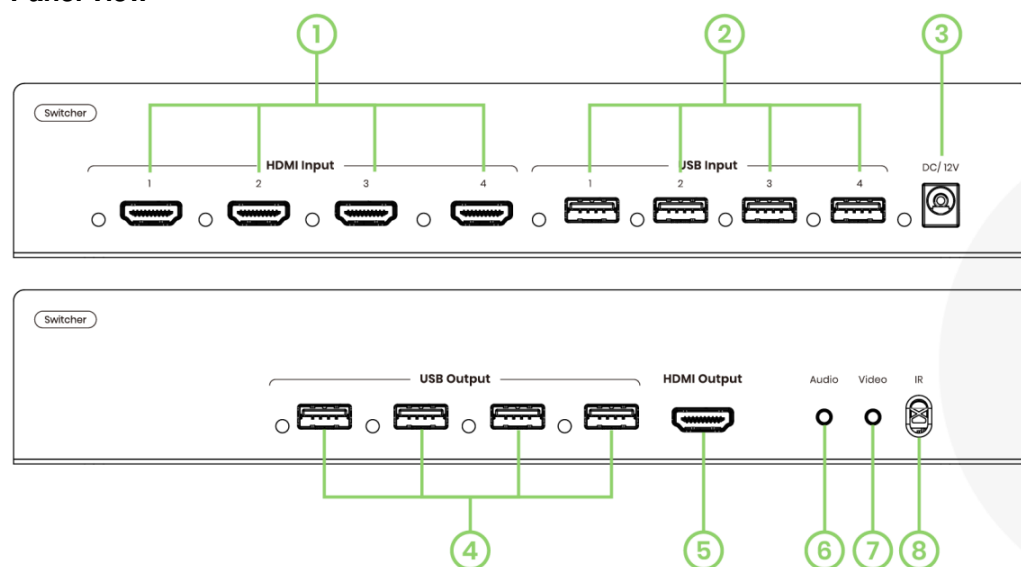
No	Interface	Description
1	HDMI Input	To input up to 4 HDMI sources
2	USB Input	To connect up to 4 USB sources
3	DC/ 12V	To input a DC 12V power
4	USB Output	To connect a keyboard & a mouse
5	HDMI Output	To connect an HDMI display
6	Audio	To mute/unmute audio or select an audio source (see page 6)
7	Video	To select a video mode
8	IR	To receive an IR control signal

LED Indication

| Interface	LED Status	Description
Power	Green On	Power on
	Green Off	Power off
HDMI Input 1~4	Blue On	HDMI source detected
	Blue Off	No HDMI source
USB Input 1~4	Blue On	Corresponding PC host has been selected for KVM control (single-view)
		When set to control 4 PCs at the same time (4 LEDs on at the same time)
		When mouse position is in the corresponding PC host screen while in mouse roaming mode/multi-view (the USB LED would only be on one at a time, depending on which source the mouse currently on)
	Blue Off	No PC host has been selected for KVM control (single-view)
		Mouse position is not in the corresponding PC host screen while in mouse roaming mode (multi-view)
USB Output 1~4	Blue On	USB device detected (mouse/keyboard)
	Blue Off	USB device not connected

Video Modes

Mode 1

Mode 2
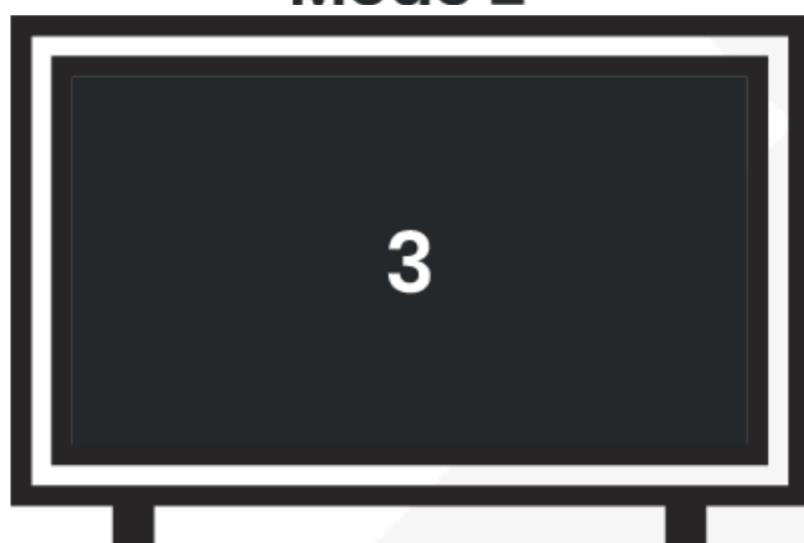
Mode 3
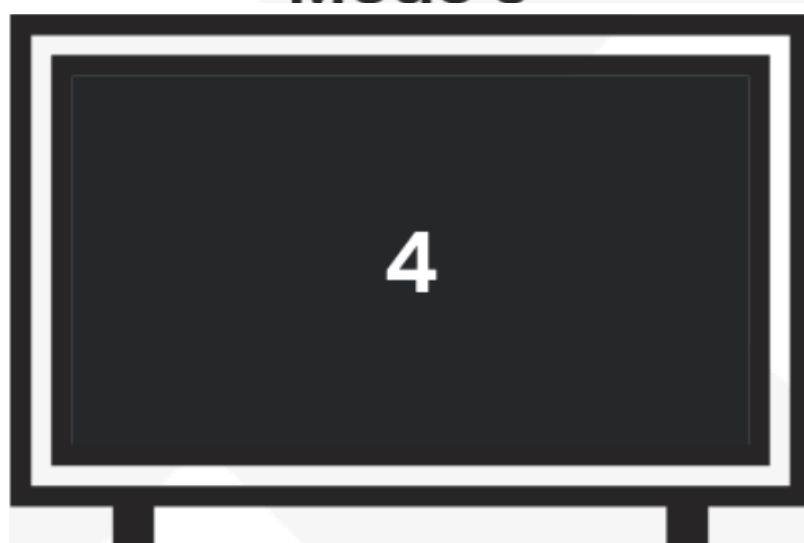
Mode 4
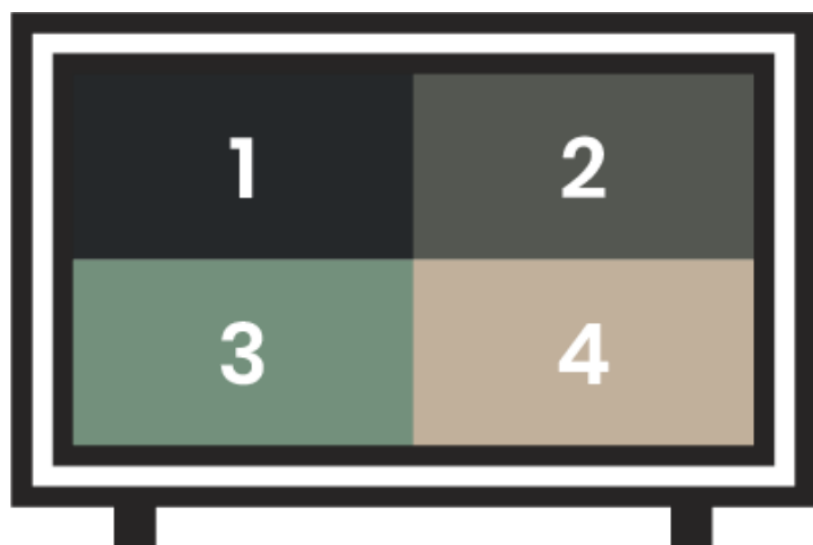
Mode 5
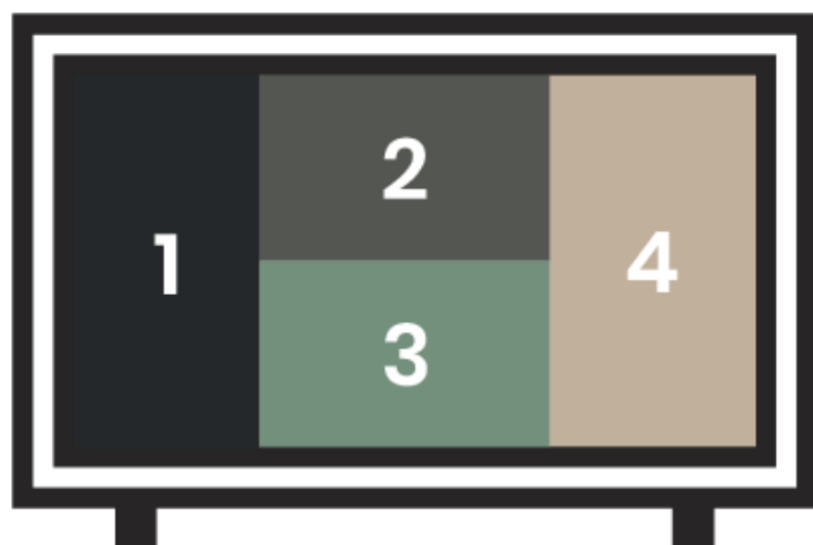
Mode 6
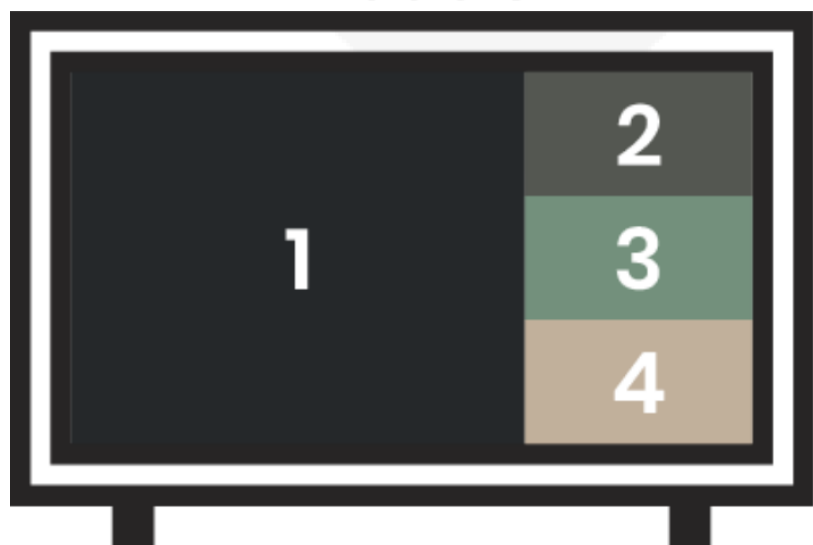
Mode 7
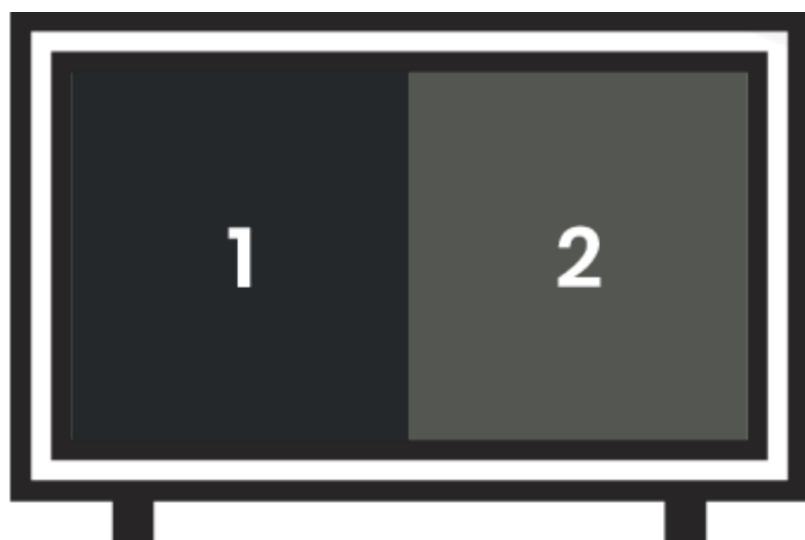
Mode 8
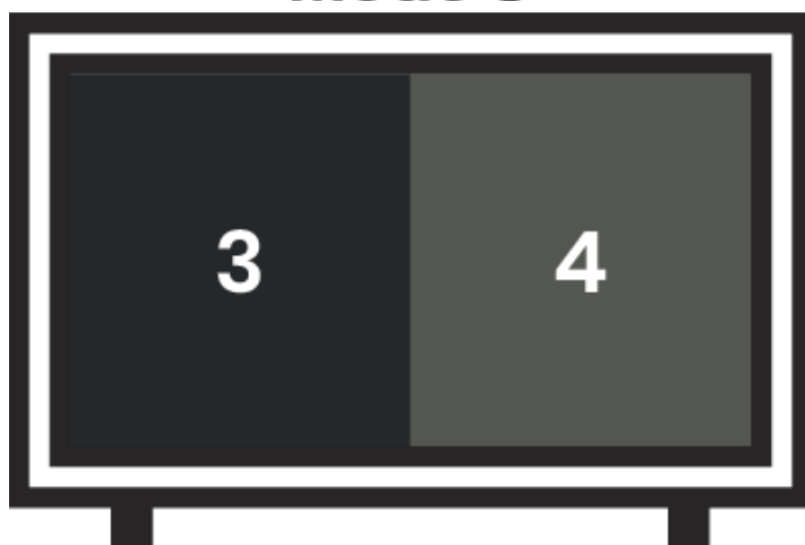
Mode 9

IR Controller

If you use the IR remote for the first time or just replace the battery, please set up the IR remote ID as 0 by pressing and , which will match the remote ID with that of HKM41E.

Button	Function
▽	To the previous video (single-view)Sequence: Input 4 → 3 → 2 → 1 → 4 → …
◁	To the previous video (single-view)Sequence: Input 4 → 3 → 2 → 1 → 4 → …
△	To the next video (single-view)Sequence: Input 1 → 2 → 3 → 4 → 1 → …
▷	To the next video (single-view)Sequence: Input 1 → 2 → 3 → 4 → 1 → …
1	Select input 1 as the video source (Mode 1)
2	Select input 2 as the video source (Mode 2)
3	Select input 3 as the video source (Mode 3)
4	Select input 4 as the video source (Mode 4)

5	Quad-view (Mode 5)
6	Quad-view (Mode 6)
7	Quad-view (Mode 7)
8	Dual-view (Mode 8)
9	Dual-view (Mode 9)
0	Select output resolution as 720p@60Hz/ 1080p@60Hz
A	Mute/ unmute audio
B	Auto-switching from Mode 1 ~ 9

Keyboard Hot Key Switching

Hot Key Combination	Function
' * ' + ' F1 '	Control PC 1
' * ' + ' F2 '	Control PC 2
' * ' + ' F3 '	Control PC 3
' * ' + ' F4 '	Control PC 4
' * ' + ' F5 '	Control 4 PCs (mouse/keyboard) at the same time
' * ' + ' F6 '	Mouse Roaming (only in Absolute Mouse Positioning Mode)
' * ' + ' F9 '	Absolute Mouse Positioning Mode (can only be used while controlling PCs)
' * ' + ' F10 '	Relative Mouse Position Mode (can only be used while controlling DVR/NVR)
' * ' + ' 1 '	Select input 1 as the video source (Mode 1)
' * ' + ' 2 '	Select input 2 as the video source (Mode 2)
' * ' + ' 3 '	Select input 3 as the video source (Mode 3)
' * ' + ' 4 '	Select input 4 as the video source (Mode 4)
' * ' + ' 5 '	Quad-view (Mode 5)
' * ' + ' 6 '	Quad-view (Mode 6)
' * ' + ' 7 '	Quad-view (Mode 7)
' * ' + ' 8 '	Dual-view (Mode 8)
* ' + ' 9 '	Dual-view (Mode 9)
' * ' + ' Page Up '	To the next video (single-view)Sequence: Input 1 → 2 → 3 → 4 → 1 → …
' * ' + ' Page Down '	To the previous video (single-view)Sequence: Input 4 → 3 → 2 → 1 → 4 → …
' * ' + ' F7 '	Mute/ unmute audio (see page 6)
' * ' + ' F8 '	Select output resolution as 720p@60Hz/ 1080p@60Hz

Mute/ unmute Audio

By pressing IR button, pressing the audio button on the front panel or '*' +'F7' Hot Key, you can mute/ unmute/switch audio under video mode 1 ~ 9 as below.

Mode	"A" IR button/ front panel audio button/ '*' +'F7' Hot Key Function
Mode 1	Mute/ unmute Input 1 audio
Mode 2	Mute/ unmute Input 2 audio
Mode 3	Mute/ unmute Input 3 audio
Mode 4	Mute/ unmute Input 4 audio
Mode 5	Select Input 1/ 2/ 3/ 4/ mute
Mode 6	Select Input 1/ 2/ 3/ 4/ mute
Mode 7	Select Input 1 / 2/ 3/ 4/ mute
Mode 8	Select Input 1/ 2/ mute
Mode 9	Select Input 3/ 4/ mute

Caution

- This product is designed for indoor applications. If it is desired for outdoor use, please install additional equipment for waterproof protection and surge protectors to prevent damages caused by lighting.
- Do not put anything on the power and system cables; place them where they cannot be stepped on. Please be sure there is nothing resting on any cables.
- Avoid using this product close to water places, or near high temperature devices such as radiators, stoves, etc.
- Shut down the power supply and unplugged all equipment immediately if:
    - water or any kind of liquid has been spilled into the product;
    - the product has been damaged by external force;
    - the product does not operate normally as this manual indicates;
    - Please contact us for further repair if above conditions happen.
- Using certified Premium HDMI cable to transfer high-resolution video is recommended.
- Seamless switching is supported only when switching between Mode 1 ~ 4.
- There is no constraint border when using mouse roaming function.
- When input video resolution is 800 x 600, output picture will be with black border on the left and right side of the screen.
- The sequence of the HDMI input should be matched along with the USB input (HDMI 1 corresponding with HDMI 1 source, etc.)
- While setting up HKM41E, please use the keyboard to get full access of all functions.
- When using DVR/NVRs as sources, must switch to Relative Mouse Position Mode, in this mode HKM41E doesn't support mouse roaming.
- When using PCs as sources , must switch to Absolute Mouse Position Mode in this mode HKM41E supports mouse roaming.
- The mouse roaming could not work under Relative Mouse Position Mode, so using DVR/NVR as sources could not active mouse roaming, but it can still be controlled by using keyboard hot keys.
- If HKM41E uses both PCs and NVR/DVRs as sources, the connected mouse/keyboard won't operate normally due to the restrictions of Absolute/Relative Mouse Position Modes.

What's in the Package

No	Item	Qty
1	HKM41E	x 1
2	IR01 (IR Remote)	x 1
3	12V 2A Power Adapter	x 1
4	Accessory	x 1

Specification

No	Item	Qty
1	HKM41E	x 1
2	IR01 (IR Remote)	x 1
3	12V 2A Power Adapter	x 1

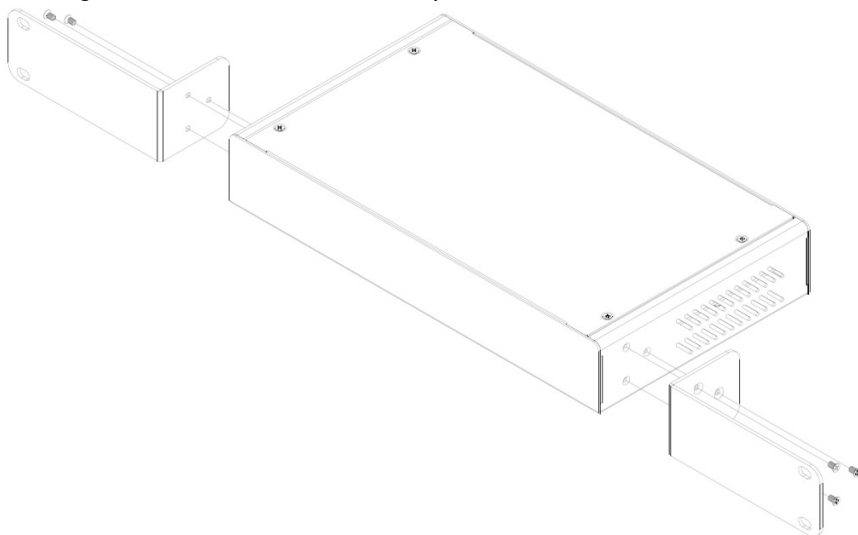| ITEM NO.	HKM41E
Support	
Input Video Resolution	1080p@60Hz
Output Video Resolution	1080p@60Hz
Audio Format	PCM2.0
Multi-view working modes	Normal View: display 1 input Dual View: display 2 inputs Quad View: display 4 inputs
Control Interface	Panel Buttons IR RemoteKeyboard/Mouse (with Hot Key)
Seamless switching	Yes
Boundless switching	Yes
Ports & Interfaces	
Video Input	4 x HDMI Type A
Video Output	1 x HDMI Type A
USB Input	4 x USB Type A
USB Output	4 x USB Type A
Power	
Power Supply	12V 2A
Power Consumption	5W
Ambient Temperature	
Operation	-40 to 70℃
Storage	-40 to 85℃
Humidity	Up to 95%
Physical Characteristics	
Dimensions	257 x 153 x 44 mm
Weight	1318.2g

Installation Guide

Stand-alone
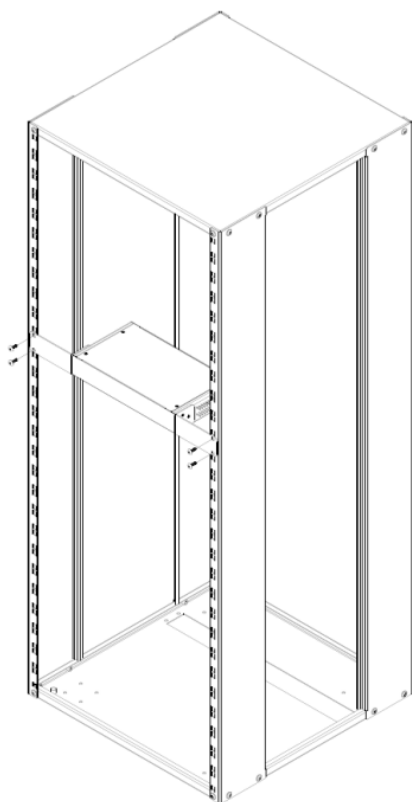Use rubber pads on the bottom of the products, preventing it from slippery.
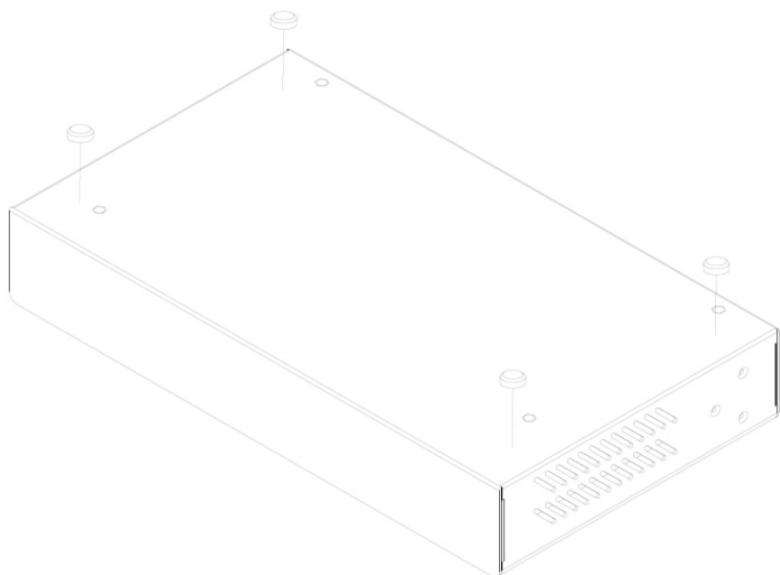
Use in a Cabinet

Fix angle irons on both sides of the products

Fix in a cabinet

Documents / Resources

SC8T HDMI Switcher Series **User Manual** Model : HKM41E 4 x 1 HDMI KVM Multiviewer & Seamless Switcher	**[SC T HKM41E 4x1 HDMI KVM Multiviewer and Seamless Switcher](#)** [pdf] User Manual HKM41E, 4x1 HDMI KVM Multiviewer and Seamless Switcher, HKM41E 4x1 HDMI KVM Multiviewer and Seamless Switcher, HDMI KVM Multiviewer and Seamless Switcher, KVM Multiviewer and Seamless Switcher, Multiviewer and Seamless Switcher, Seamless Switcher, Switcher