

NEXIS

**4K60 4x1 Seamless UHD Video
& USB 3.0 KVM Switcher
with Multiviewer Control**

HK41A



1. Introduction

This 4K60 4x1 Seamless UHD Video & USB 3.0 KVM Switcher was designed for the purpose of supporting higher output resolution (4K@60) for multiple sources on a single screen. It can combine up to four video signals onto a single UHD or HD display. The user can manage each input, and create combinations of the four inputs on a single display, as well as adjust the position of any input.

This product supports 8 display modes, within the mode range, users can freely switch 4-channel HD input signals. It can realize single screen display and multiview display on a single screen.

This device supports full range of input video resolutions up to 4K@60 (RB) and audio RCA /Optical de-embedding supported for external audio distribution systems.

Besides, the switcher can transmit USB 3.0 signal up to 5Gbps for KVM function. It also supports direct switching through buttons on the front panel, IR remote, and hotkey through keyboard/mouse connected to the special USB port. It provides a wide compatibility choice for different operating systems, such as Windows, Mac OS and Linux, no driver required and simple plug and play.

This device can be controlled via front panel buttons, IR remote, keyboard/mouse hotkeys, OSD menu navigation, Controller software, RS-232 commands.

2. Features

- ★ HDCP 2.2 and HDCP 1.x compliant
- ★ Support 18Gbps uncompressed video bandwidth
- ★ Input and output resolutions support up to 4K2K@60Hz 4:4:4, as specified in HDMI 2.0b
- ★ Support LPCM, DD+, DTS audio pass-through, up to 7.1 audio channel
- ★ Seamless switching between input channels and combined multiple images on single UHD monitor
- ★ Up to 8 display modes: Single, PIP, PBP (1), PBP (2), Triple (1), Triple (2), Quad (1), Quad (2)

- ★ Seamless switching in single screen display mode
- ★ Fast switching in multiview display mode
- ★ Using only 1 set of keyboard, mouse and monitor to control 4 computers
- ★ Built-in 3-port USB 3.1 Gen 1 hub with SuperSpeed 5Gbps data transfer rates, allowing you to share USB peripherals like printer, scanner, webcam and hard disk between computers
- ★ Support multimedia, wireless keyboards and mouse
- ★ Audio de-embedding via analog and optical fiber audio ports
- ★ Support volume control and independent audio selection
- ★ Support OSD navigation for advanced setting
- ★ EDID management
- ★ Control via front panel buttons, IR remote, keyboard/mouse hotkeys, OSD menu navigation, Controller software, RS-232 commands
- ★ Compact design for easy and flexible installation

3. Package Contents

- ① 1 x 4K60 4x1 Seamless UHD Video & USB 3.0 KVM Switcher
- ② 1 x IR Remote
- ③ 1 x 3pin-3.81mm Phoenix Connector (male)
- ④ 1 x Fixed Frequency 38KHz IR Receiver Cable (1.5 meters)
- ⑤ 2 x Mounting Ear
- ⑥ 4 x Machine Screw (KM3*4)
- ⑦ 4 x USB Cable (USB 3.0 AM to BM, 1.8 meters)
- ⑧ 1 x 12V/2.5A Locking Power Supply
- ⑨ 1 x User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz 4:4:4
IR Level	5Vp-p
IR Frequency	Fixed frequency 38KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
Audio Formats	HDMI: PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, DTS, DTS-96/24, DTS High Res, DSD Analog audio [3.5mm L/R]: PCM2.0 SPDIF (OPTICAL): Dolby Digital/Plus, DTS 5.1, PCM2.0 Note: It does not support HBR audio.
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Input ports	4 x HDMI IN [Type A, 19-pin female]
Output ports	1 x HDMI OUT [Type A, 19-pin female] 1 x L/R OUTPUT [RCA] 1 x OPTICAL OUTPUT [S/PDIF]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack] 4 x USB 3.0 HOST [USB Type B] 2 x USB 2.0 DEVICE [USB Type A] 3 x USB 3.0 DEVICE [USB Type A]

Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	220mm [W] x 100mm [D] x 44mm [H]
Weight	443g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	18.48W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)

5. Application Example

