

NEXIS

4K60 4x1 Multiviewer
Seamless UHD Video Switcher

HM41A



1. Introduction

This 4K60 4x1 Multiviewer Seamless UHD Video Switcher was developed 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 displayer. The user can easily manage each input via the supplied Control Software and create any layout and position of any of the four inputs on a single monitor.

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.

This device can be controlled via front panel buttons, IR remote, RS-232 commands.

2. Features

- ☆ HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- ☆ Support 18Gbps video bandwidth
- ☆ Input and output resolutions support up to 4K@60Hz
- ☆ Support LPCM, AC3, DD+, DTS, DTS-HD, 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 on single screen display mode
- ☆ Fast switching on multiview display mode
- ☆ 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, RS-232 commands
- ☆ Compact design for easy and flexible installation

3. Package Contents

- ① 1 x 4K60 4x1 Multiviewer Seamless UHD Video Switcher
- ② 1 x IR Remote
- ③ 1 x 3pin-3.81mm Phoenix Connector (male)
- ④ 1 x 38KHz IR Wideband Receiver Cable (1.5 meters)
- ⑤ 2 x Mounting Ears
- ⑥ 4 x Machine Screws (KM3*4)
- ⑦ 4 x Rubber Feet
- ⑧ 1 x 12V/2.5A Locking Power Adapter
- 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 4K@60Hz
IR Level	5Vp-p
IR Frequency	38KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8bit
Audio Formats	HDMI: PCM2.0/5.1/7.1CH, Dolby Digital/Plus, DTS, DTS High Res Analog audio [3.5mm L/R]: PCM2.0; SPDIF (OPTICAL): Dolby Digital, DTS 5.1, PCM2.0. Note: It does not support HBR audio.
ESD Protection	Human body model — ±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]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	220mm [W] x 100mm [D] x 30mm [H]
Weight	620g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	10W (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

