



4K30 4x1 HDMI Multi-Viewer User's Guide



P/N: QuadView4K

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Important Safety Notices

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device
- Do not expose this unit to rain, heavy moisture, or liquid
- Do not put any items into the device or attempt to modify its operation
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product in a well-ventilated location to avoid damage from overheating
- Shut off power and make sure environment is safe before installation
- Do not plug the HDMI cables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports

Introduction

The 4K30 4x1 HDMI Multi-Viewer allows you to view four HDMI source devices on an HDMI display.

Features

- Simultaneously view four video sources on a display
- Supports Quad, Triple, Dual, and Single/Full screen modes
- Supports seamless switching
- Supported resolutions: 4K @30Hz, 1080p, 720p
- Control methods: Remote control and front panel button
- Simple Plug & Play installation

Package Contents

- 4K30 4x1 HDMI Multi-Viewer
- Power adapter (5V/1A)
- Remote control
- RS232 cable
- User guide

Installation Requirements

1. HDMI source devices (DVD player, set top box, PC, etc.)
2. HDMI display device (SDTV/Monitor, HDTV/Monitor, projector, etc.)

Product Layout

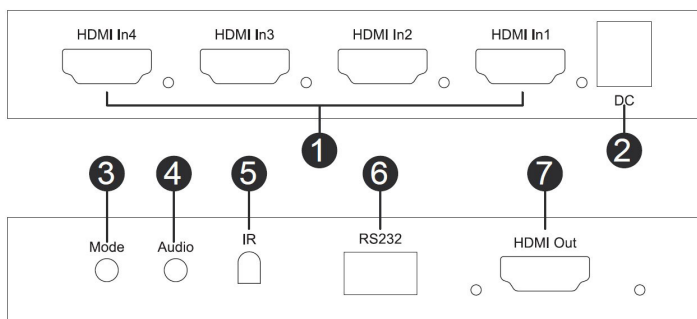


Figure 1: 4K30 Multi-Viewer Layout

1. HDMI Inputs (1-4): Connect to your HDMI sources using HDMI cables (HDMI cables not included)
2. Power Jack: Connect to the included power adapter
3. Video Mode Button: Press to select the video output mode - see Video Mode on page 6 for more information
4. Audio Button: Press to select the audio mode - see Audio Selection Button of page 9 for more information
5. IR Window: Receives IR signals from the included remote control
6. RS232: Connects to your PC's serial port using the included RS232 cable for PC control
7. HDMI Out: Connects to your HDMI display using an HDMI cable (HDMI cable not included)

Hardware Installation

1. Power off all devices including your HDMI source(s) and HDMI display.
2. Connect your HDMI source device(s) to the HDMI In connectors with HDMI cables (HDMI cables not included).
3. Connect your HDMI display to the HDMI Out connector with an HDMI cable (HDMI cable not included).
4. Plug the included power adapter into the Multi-Viewer's power jack, then plug the power adapter into a reliable power outlet.
5. Power on all devices.
6. The Multi-Viewer is ready for use.

Connection Diagram

The diagram shows the typical devices used with the Multi-Viewer.



Figure 2: Connection Diagram

Device Control

Video Mode Button

There are four main modes: Quad, Triple, Dual, Single/ Full Screen. Within each mode there are sub-modes to which you can choose screen positions. Use the video mode button, located on the front panel or included remote control, to select the video sub-mode.

Video Sub-mode Selection Order

1. Single View: Input 1
2. Single View: Input 2
3. Single View: Input 3
4. Single View: Input 4
5. Up/Down Full Screen: Input 1 & Input 2
6. Up/Down Standard Screen: Input 1 & Input 2
7. Up/Down Full Screen: Input 3 & Input 4
8. Up/Down Standard Screen: Input 3 & Input 4
9. Side by Side Full Screen: Input 1 & Input 2
10. Side by Side Standard Screen: Input 1 & Input 2
11. Side by Side Full Screen: Input 3 & Input 4
12. Side by Side Standard Screen: Input 3 & Input 4
13. PIP: Input 1 & Input 2
14. PIP: Input 2 & Input 1
15. PIP: Input 3 & Input 4
16. PIP: Input 4 & Input 3
17. 3 Screens (Portrait): Inputs 1-2-3
18. Quad (1 lg x 3 sm): Input 1 & Input 2, 3, 4
19. Quad (1 lg x 3 sm): Input 2 & Input 1, 3, 4
20. Quad (1 lg & 3 sm): Input 3 & Input 1, 2, 4
21. Quad (1 lg & 3 sm): Input 4 & Input 1, 2, 3

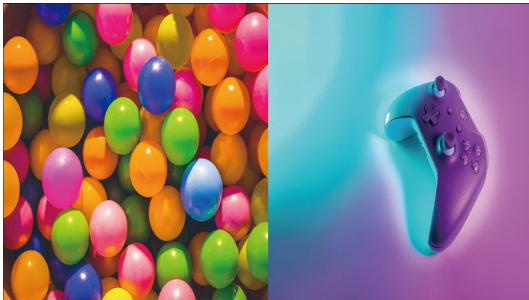
- 22. Quad "H": Input 1, Input 2& 3, Input 4
- 23. 2x2 Standard Quadview: Input 1/ Input 2 & Input 3/ Input 4

Video Sub-Modes

Single Screen



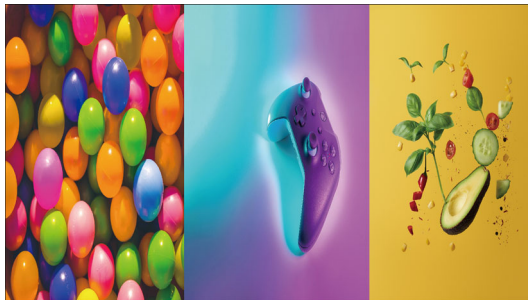
Left and Right Dual



Up and Down Dual



3x1 Mode



One Large and Three Small



Four "H" Mode



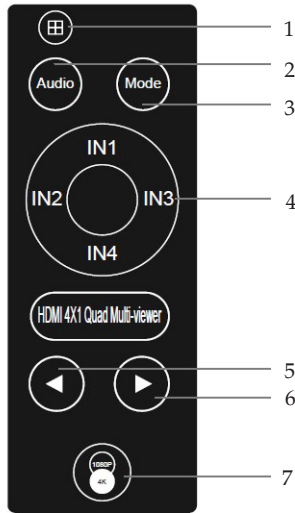
Standard Quadview Mode



Audio Selection Button

Use the Audio button, located on the front panel, to select the audio mode in order: Input 1, Input 2, Input 3, Input 4, Mute.

Remote Control



1. Four Pictures: Press to select quadview mode
2. Audio: Press to select audio mode, in order - Input 1, Input 2, Input 3, Input 4, Mute
3. Mode: Press to select between the different video modes - see page 6 for more information
4. Input 1-4: Press to select an input device to display in single screen mode
5. Back Button: Press to select the previous input source
6. Next Button: Press to select the next input source
7. Resolution Button: Press to select resolution output, in order - 720p, 1080p, 4K30

RS232 Control

Connect the 4K 4x1 Multi-Viewer to a PC using an RS232 cable.

COM Port Setting

Baud Rate: 9600

Parity: None

Data Bits: 8

Stop Bits: 1

RS232 Command List

Use any RS232 terminal program of your choice, such as Hyperterminal or RS232 control.

Video Mode	Command
Left/Right Dual Screen: Input1, Input2	G44g
Left/Right Dual Screen: Input3, Input4	G42g
Up/Down Dual Screen: Input1, Input2	G45g
Up/Down Dual Screen: Input3, Input4	G46g
Single Screen: Input 1	G19g
Single Screen: Input 2	G1Bg
Single Screen: Input 3	G11g
Single Screen: Input 4	G15g
Quad View +	G40g
Quad View H	G41g
3 Screens: Input 1, Input 2, Input 3	G04g
Quad 1 Large & 3 Small: Input 1	G5Ag
Quad 1 Large & 3 Small; Input 2	G4Cg
Quad 1 Large & 3 Small: Input 3	G52g
Quad 1 Large & 3 Small: Input 4	G4Bg
PIP	G03g
Output Resolution Switching 1080p /720p	G02g

Specifications

Resolution	4K30Hz, 1080p, or 720p
Audio Format	PCM2
HDMI Cable Length	Up to 10 meters
Bandwidth (max)	340MHz
Operating Current	0.6A
Power Adapter	Input: 100V-240VAC, 50-60 Hz Output: DC 5V/1A
Operating Temperature	32-113 F (0-45 C)
Dimensions	4.8"x 4.0"x0.8" (121x102x19 mm)
Weight	0.48 lbs (220g)

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