

4K60 UHD Video Wall Controller

Product Specification



Model: RDTV4K-R-04

I. Product overview

RDTV4K-R-04 4K60 UHD Video Wall Controller supports maximum 4K@60Hz HDMI inputs with 4:4:4 chroma subsampling and HDCP 2.2 compliance. Any input source can be routed to any of the 4 HDMI outputs. Users can select different splicing modes via remote control or panel buttons, such as 2×2 video wall mode. Supports horizontal and vertical splicing modes.

This 4K Video Wall Controller ideals for home theaters, offices, digital entertainment centers, conference rooms, educational institutions, KTV systems, and other A/V installations.

II. Functional characteristics

- ▶ Supports 1 x HDMI 1.4, 1 x HDMI 2.0 input.
- ▶ Maximum input resolution 4K@60Hz 4:4:4, HDCP 2.2.
- ▶ Support vertical screen splicing function, support 0°, 90°, 180°, 270° signal rotation.
- ▶ Supports 3.5mm analog audio output. Support SPDIF coaxial audio output.
- ▶ Supports adjusting the splicing border fading function and cropping image function to display without black edges.
- ▶ Supports cropping with a black border image.
- ▶ Support intelligent temperature control protection technology to

make the product's heat dissipation performance more stable, reliable and durable.

- ▶ Silent intelligent fan, working without noise.
- ▶ Support USB software upgrade and maintenance.
- ▶ Supports one-Click layout switching.
- ▶ Support IR remote control + key full function setting.

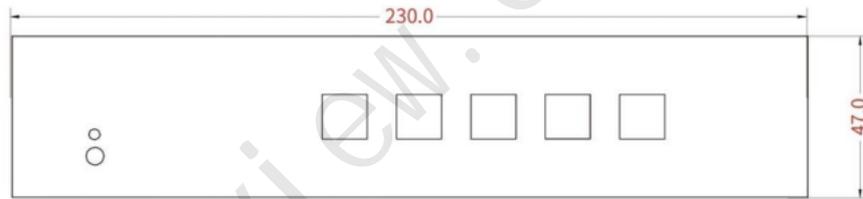
III. Technical parameters

Category	Name	Parameter Description
Input Signal	HDMI 1	<ul style="list-style-type: none"> • HDMI 1.4 with embedded audio • Resolution: 640×480 to 3840×2160@30Hz
	HDMI 2	<ul style="list-style-type: none"> • HDMI 2.0 with embedded audio • Resolution: 640×480 to 3840×2160@60Hz
Output Signal	HDMI 1-4	<ul style="list-style-type: none"> • Tiling Layouts: 1×1, 1×2, 1×3, 1×4, 2×1, 2×2, 3×1, 4×1 • Max Output Resolution: 1920×1200@60Hz
USB	USB 2.0	Firmware upgrade and maintenance
Audio Output	3.5mm Audio	<ul style="list-style-type: none"> • Stereo L/R channel output • Synchronized A/V signal switching

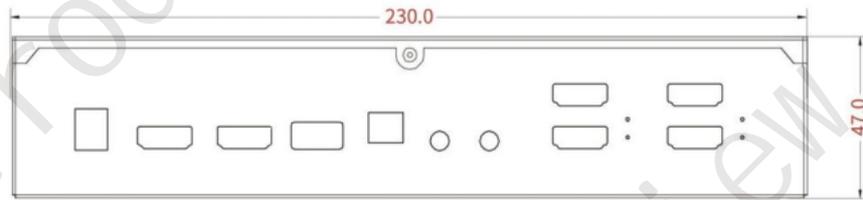
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Category	Name	Parameter Description
Other	Coaxial Audio	SPDIF optical/coaxial audio interface
	Ports	3.5mm IR remote receiver interface
	Power Supply	DC 12V-1.5A
	Power Consumption	12W
	Tiling Mode	Quad Quick-Set Tiling (Simplified 4-screen configuration)
	Control Method	IR remote control / Front-panel keys
Physical Specs	Net Weight	1.1kg
	Gross Weight	1.5kg
	Unit Dimensions	230×172×47mm (L×W×H)
Packaging	Package Dimensions	380×227×102mm (L×W×H)
	Package Contents	1× Main unit, 1× Power adapter, 1× Remote, 1× IR receiver cable, 1× Warranty card, 2× Mounting ears, 6× Fixing screws

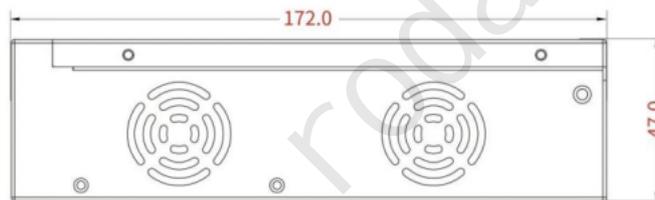
IV. Product Size



Front panel



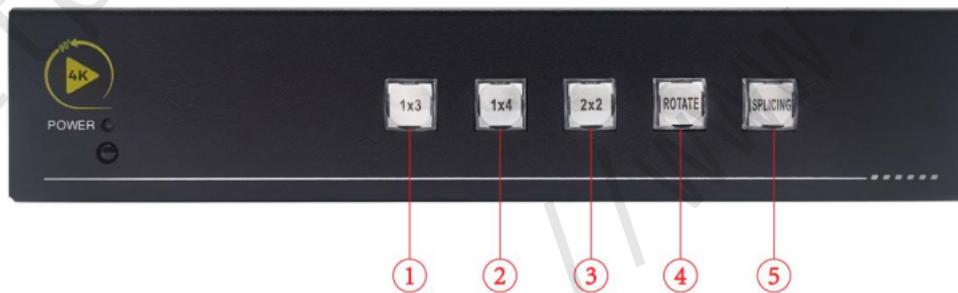
Rear panel



Side panel

V. Description of panel keys and ports

1. Front Panel Key Function



No.	Button Name	Function Description
1	1×3	Activates 1x3 Portrait Tiling Layout
2	1×4	Activates 1x4 Portrait Tiling Layout
3	2×2	Activates 2x2 Square Tiling Layout
4	ROTATE	Rotates Input Signal (0°, 90°, 180°, 270°)
5	SPLICING	Engage/Disengage Video Wall Mode

2. Rear Panel Port Description



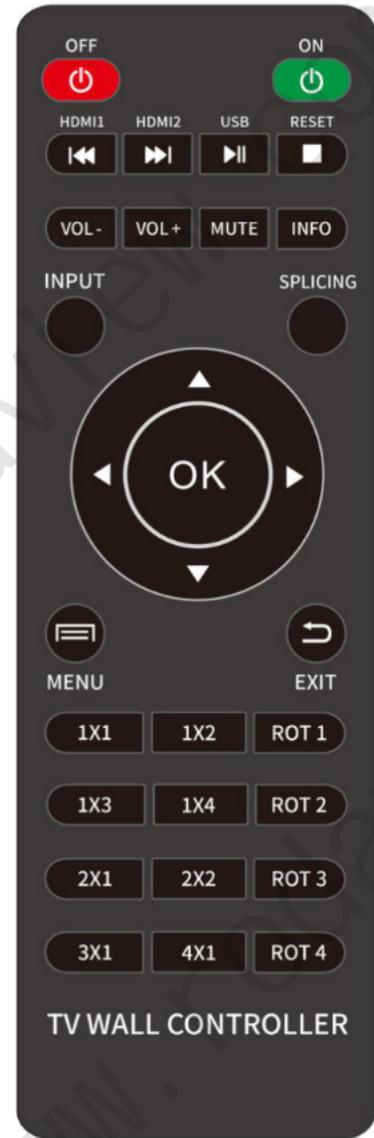
Interface Type	No	Port	Description
INPUT	1	DC 12V	12V DC power input
	2	HDMI 1	HDMI 1.4 Input: 4K@30Hz signal with embedded audio
	3	HDMI 2	HDMI 2.0 Input: 4K@60Hz signal with embedded audio
	4	USB	USB 2.0 port for firmware upgrade & maintenance

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OUTPUT	5	SPDIF	Coaxial S/PDIF Output: Digital audio signal transmission
	6	AUDIO	3.5mm Analog Audio Output: Stereo L/R channel, A/V synchronous switching
	7	IR-Rx	3.5mm IR Receiver Input: Remote control signal interface
	8	HDMI 1-4	HDMI 1-4 outputs

VI. Remote Control Key Description

OFF	Standby
ON	Power On
HDMI 1	HDMI 1 channel
HDMI 2	HDMI 2-channel
USB	One-Click Firmware Upgrade
RESET	Factory Reset
VOL-	Volume-
VOL+	Volume +
MUTE	Audio Mute
INFO	Display Status Info
SPLICING	Splicing/Disassembly
INPUT	Signal Source Selection
MENU	menu
EXIT	Return / Exit
OK	Confirm / Enter
1X1	1X1 splicing mode
1X2	1X2 splicing mode
1X3	1X3 splicing mode
1X4	1X4 splicing mode
2X1	2X1 splicing mode
2X2	2X2 splicing mode
3X1	3X1 splicing mode
4X1	4X1 splicing mode
ROT 1	Output 1: 180° Signal Rotation
ROT 2	Output 2: 180° Signal Rotation
ROT 3	Output 3: 180° Signal Rotation
ROT 4	Output 4: 180° Signal Rotation



VII. Connection Schematic



VIII. Splice mode preview

Horizontal splicing mode



2x2



2x1



3x1



4x1



1x2



1x3



1x4

Vertical screen splicing mode



1x2



2x2



1x3



1x4

IX. the product physical picture

front view



back view



left view



right view

