

# 4K60 UHD Video Wall Controller

## Product Specification



Model: RDTV4K-60-04C

## I. Product overview

4K UHD Video Wall Controller Supports maximum 4K@60Hz HDMI 4:4:4 Chroma Subsampling input with HDCP 2.2 compliance. Enables any input source routing to quad HDMI outputs. Users select tiling layouts via front-panel buttons or IR remote control, including 2×2 video wall mode. Compatible with both landscape and portrait-oriented tiling configurations.

This 4K Video Wall Controller Provides integrated solutions for: Home Theaters, Digital Signage, Conference Rooms, Educational Facilities, Entertainment Venues, and other AV environments.

## II. Functional characteristics

- ▶ Supports 2×HDMI 1.4, 2×HDMI 2.0 inputs.
- ▶ 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.
- ▶ 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.
- ▶ Supports remote control and one-touch tiling configuration switching.
- ▶ Support IR remote control + key full function setting.
- ▶ Support video signal windowing function, support PIP, POP, PBP, 4P and other windowing modes.

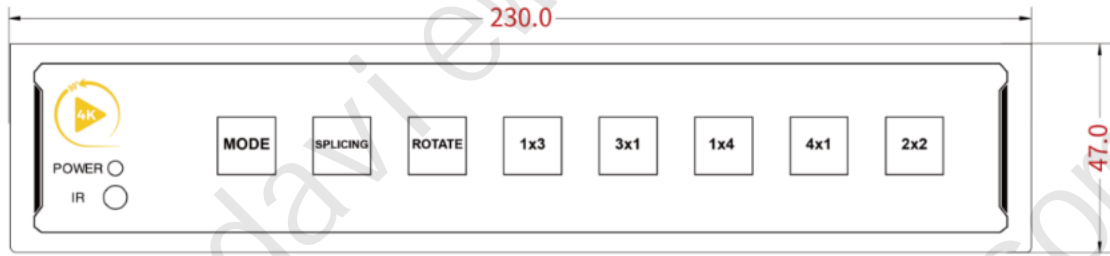
### III. Technical parameters

Category	Name	Description
Input Signal	HDMI 1,2	<ul style="list-style-type: none"> <li>• HDMI 1.4 with embedded audio</li> <li>• Resolution: 640×480 to 3840×2160@30Hz</li> </ul>
	HDMI 3,4	<ul style="list-style-type: none"> <li>• HDMI 2.0 with embedded audio</li> <li>• Resolution: 640×480 to 3840×2160@60Hz</li> </ul>
Output Signal	HDMI 1-4	<ul style="list-style-type: none"> <li>• Tiling Layouts: 1×1, 1×2, 1×3, 1×4, 2×1, 2×2, 3×1, 4×1</li> <li>• Max Output Resolution: 1920×1200@60Hz</li> </ul>
Audio Output	3.5mm Audio	<ul style="list-style-type: none"> <li>• Stereo L/R channel output</li> <li>• Synchronized A/V signal switching</li> </ul>
Other	Power Supply	DC 12V-1.5A
	Power Consumption	12W
	Tiling Mode	Simplified Quad Tiling (Quick 4-screen configuration)

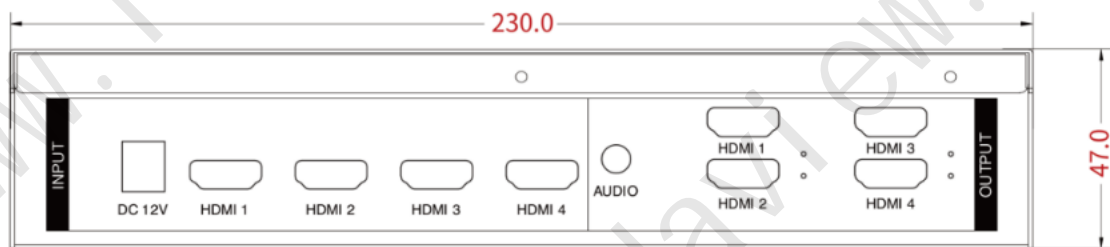
## 4K60 UHD Video Wall Controller

Category	Name	Description
	Control Method	Infrared remote / Front-panel keys
Physical Specs	Net Weight	1.0kg
	Gross Weight	1.5kg
	Dimensions (L×W×H)	230×172×47mm
Packaging	Dimensions (L×W×H)	380×227×102mm
	Package Contents	<ul style="list-style-type: none"><li>• 1× Main unit</li><li>• 1× Power adapter</li><li>• 1× Remote controller</li><li>• 1× Warranty card</li><li>• 2× Mounting ears</li><li>• 6× Fixing screws</li></ul>

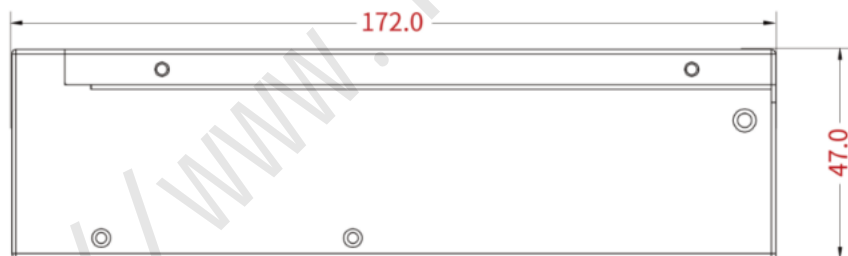
## IV. Product Size



Front panel



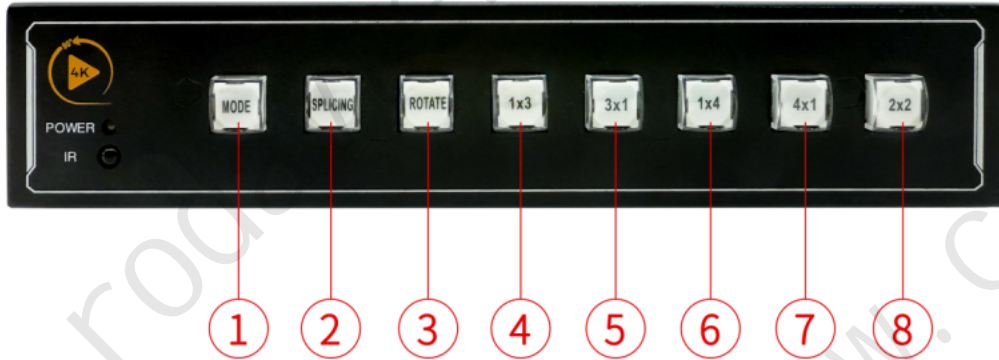
Rear panel



Side panel

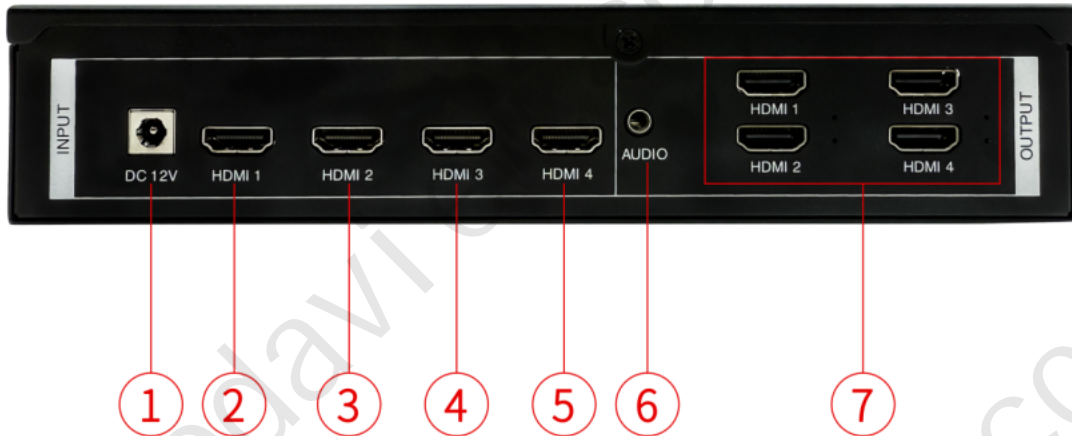
## V. Description of panel keys and ports

### 1、 Front Panel Key Function



No.	Button	Function Description
1	MODE	Windowing mode selection (PIP/POP/PBP/Quad-view)
2	SPLICING	Toggle video wall mode (engage/disengage multi-screen tiling)
3	ROTATE	Signal rotation control (0°, 90°, 180°, 270° orientation adjustment)
4	1×3	1×3 portrait tiling layout (vertical 3-screen array)
5	3×1	3×1 landscape tiling layout (horizontal 3-screen array)
6	1×4	1×4 portrait tiling layout (vertical 4-screen array)
7	4×1	4×1 landscape tiling layout (horizontal 4-screen array)
8	2×2	2×2 matrix tiling layout (square video wall configuration)

## 2、Rear Panel Port Description



Category	No.	Port	Description
INPUT	1	DC 12V	12V DC power input
	2	HDMI 1	HDMI 1.4 Input: 4K@30Hz signal with 4:4:4 chroma sampling
	3	HDMI 2	HDMI 1.4 Input: 4K@30Hz signal with 4:4:4 chroma sampling
	4	HDMI 3	HDMI 2.0 Input: 4K@60Hz signal with 4:4:4 chroma sampling
	5	HDMI 4	HDMI 2.0 Input: 4K@60Hz signal with 4:4:4 chroma sampling
OUTPUT	6	AUDIO	3.5mm Audio Output: Stereo L/R channel output, A/V synchronous switching
	7	HDMI 1-4	Quad HDMI Output Group: Up to 1920×1200@60Hz



## 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

## VIII. Windowed mode preview

**PIP**



**POP**



**PBP**



**4P**



## IX.the product physical picture

### front view



### back view



### Left/Right View

