

# 4K Video Wall Controller 4output Product Specification



Model: RDTV4K-04

## I. Product Overview

The 4K Video Wall Controller supports a maximum resolution of 4K@60Hz HDMI 4:4:4 input and is compatible with HDCP 2.2. It supports routing any input to 4 HDMI outputs. Users can select different splitting modes via the remote control or panel buttons, such as 2×2 video wall mode. It supports both landscape and portrait splitting modes.

This 4K Video Wall Controller provides a solution for home, office, digital entertainment, centers, meeting rooms, schools, KTV, and other audio-visual applications.

## II. Features

1. This product is a high-definition video wall processor specifically designed for LCD TVs, ultra-narrow bezel LCD screens, and projectors. It supports 4 HDMI signal outputs per unit, connecting to LCD TVs or other display devices, and can be customized to various video wall modes according to user requirements.
2. The product supports cascading, enabling up to 255-channel signal output.
3. The product employs high-definition processing chips, supporting 1080P and 4K signal input and output.
4. The product is equipped with infrared remote control and front panel

buttons, allowing users to quickly control the video wall processor with a single button or via remote control for full functionality, offering a simple and convenient experience while enabling further functional expansion.

5. The product supports 2 HDMI inputs and 1 DP input, with all input signals capable of being switched to the large screen for video wall display.
6. Supports audio input and output, and enables synchronized audio output with the corresponding video.
7. Supports arbitrary screen rotation at 90°, 180°, and 270 degrees, as well as left/right mirroring and up/down mirroring.
8. Supports edge blending technology. Without edge blending, images may appear visually stretched; after edge blending, images remain distortion-free, stretched, and visually natural and realistic.
9. Supports remote control operation. The infrared remote control can perform all settings, switching, and adjustment functions of the video wall processor. The remote control features an ultra-sensitive design, allowing direct mode switching using the digital keys 0-9., offering convenience and ease of use.
10. Supports window mode, displaying 1P, 2PLR, 2PTR, and PIP 4P modes, and supports arbitrary splicing and display of multiple input signals in window mode.

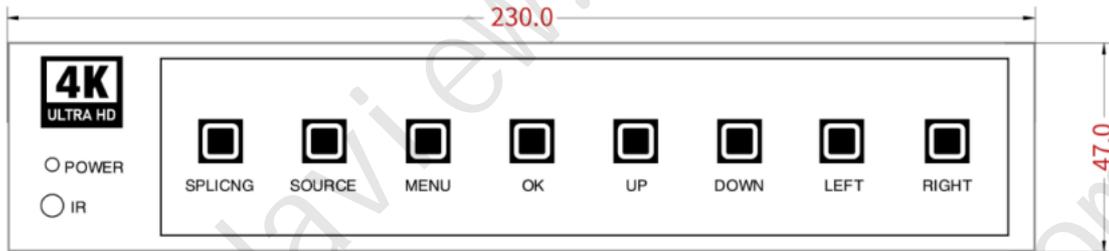
11. Supports intelligent temperature control protection technology, ensuring stable, reliable, and long-lasting heat dissipation performance.
12. Supports black border cropping technology, enabling black borders around the image to be displayed without black borders.

### III. Technical Specifications

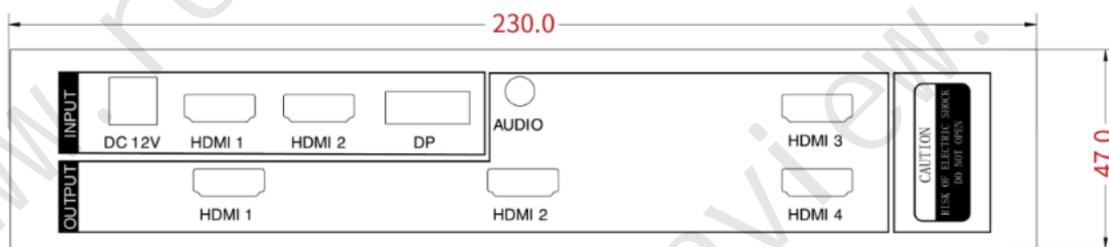
	Name	Parameter Description
Input Signal	HDMI 1	HDMI1.4 Embedded Audio; Supports 640×480 to 3840×2160@30Hz
	HDMI 2	HDMI2.0 Embedded Audio; Supports 640×480 to 3840×2160@60Hz
	DP	DP1.2 DP Embedded Audio; Supports 640×480 to 3840×2160@60Hz
Output Signal	HDMI1-4	Supports 1×1, 1×2, 1×3, 1×4, 2×1, 2×2, 3×1, 4×1 splicing modes; Max HDMI output resolution: 1920×1200@60Hz
Audio output	Audio 3.5mm	Audio interface; Supports stereo L/R channel, synchronized A/V signal switching
Other	Power Supply	DC 12V - 3A

	Power Consumption	30W
	Splicing Mode	Simple Quad Splitting
	Control Method	IR Remote Control, Front Panel Buttons
Physical Specifications	Net Weight	1.4Kg
	Gross Weight	1.9Kg
	Dimensions (L×W×H)	230×172×47mm
Packaging information	Dimensions (L×W×H)	380×227×102mm
	Packing List	Host ×1; Remote Control ×1; Power Adapter ×1; User Manual ×1 set; Product Warranty Card ×1; Mounting Brackets ×2; Mounting Screws ×6

## IV. Product Dimensions



Front panel



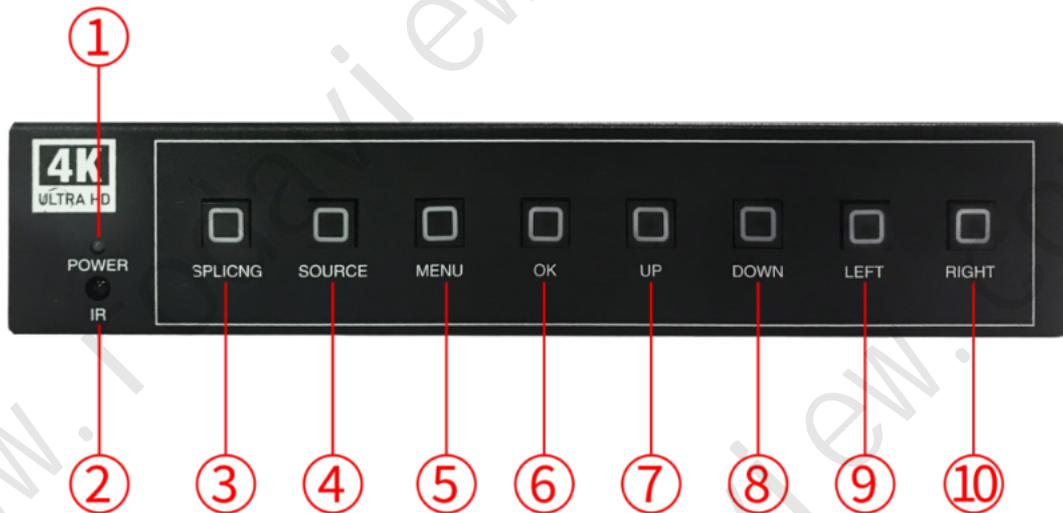
Rear panel



Side panel

## V. Panel Buttons and Port Description

### 1. Front Panel Button Functions



No.	Key Name	Description	No.	Key Name	Description
1	POWER	Indicator (Green light: normal operation)	6	OK	Confirm
2	IR	Infrared receiver (Receives IR signals)	7	UP	Up
3	SPLICING	Splicing/Desplicing	8	DOWN	Down
4	SOURCE	Source switching	9	LEFT	Left
5	MENU	Menu/Back	10	RIGHT	Right

## 2、 Port Description



Section	No.	Interface	Description
INPUT	1	DC 12V	DC 12V Power Input
	2	HDMI 1	HDMI 4K@30Hz Signal Input
	3	HDMI 2	HDMI 4K@60Hz Signal Input
	4	DP	DP 4K@60Hz Signal Input
OUTPUT	5	AUDIO	3.5mm Audio Jack (L/R Channel Output)
	6-9	HDMI 1-4	HDMI 1-4 Output



## VII. Connection Diagram



## VIII. Splice Mode Preview

### Horizontal splicing mode



2x2



2x1



3x1



4x1



1x2



1x3



1x4

### Vertical screen splicing mode



1x2



2x2



1x3



1x4

### Horizontal splicing mode



2x2



2x1



3x1



4x1



1x2



1x3



1x4

### Vertical screen splicing mode



1x2



2x2



1x3



1x4

## IX. Window mode preview

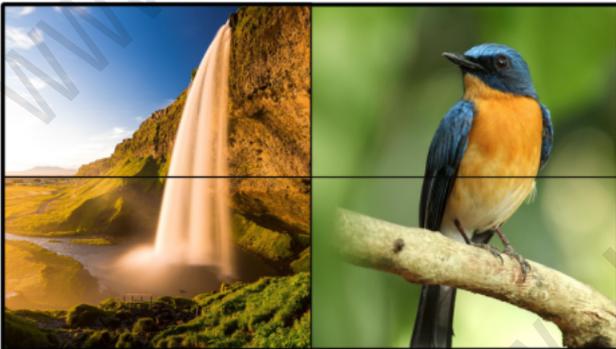
**PIP**



**POP**



**PBP**



**4P**



## X.Product Physical Diagram

### Front View



### Rear View



### Left/Right View

