

# 4K Video Wall Controller 4output Product Specification



Model: RDTV4K-04C

## I. Product overview

4K Video Wall Controller delivers ultra-HD signal processing with 4K@60Hz HDMI 4:4:4 input and HDCP 2.2 compliance. It enables flexible signal routing from any source to four HDMI outputs. Users can select customizable video wall layouts (e.g., 2 × 2 tiling) via IR remote or front-panel buttons, supporting dynamic 2-4 screen splicing modes.

This solution is engineered for residential, commercial, and institutional AV environments, including: Home theaters & office conference systems, digital entertainment venues (KTV, multimedia exhibitions), command centers, educational facilities, and broadcast studios.

## II. Functional characteristics

- ▶ Supports 1 x HDMI input, 1 x TYPE-C input. Supports automatic input recognition switching.
- ▶ HDMI, TYPE-C supports maximum signal input resolution of 4K@60Hz 4:4:4 signals and HDCP 2.2 Ultra HD licensed signals.
- ▶ Supports maximum output resolution 4K@30Hz, 1920x1080@60 Output backward compatibility and automatic adaptation to TV and display devices.
- ▶ Supports 0° and 180° signal output rotation, which allows you to flip the TV for assembly and make the TV splicing gap smaller.

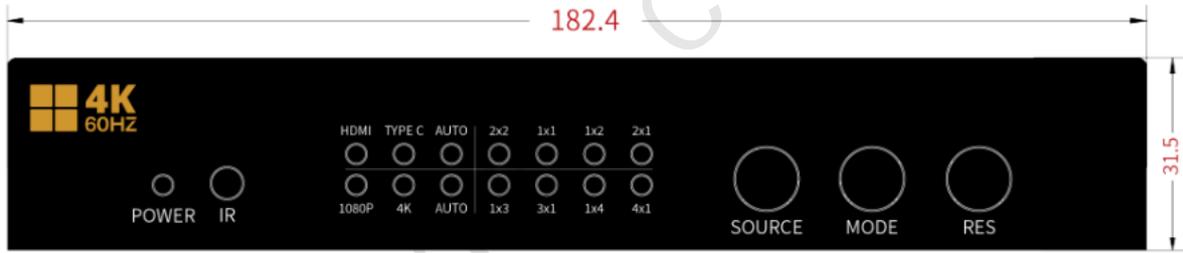
## 4K TV Video Wall Controller

- ▶ Supports left and right channel audio output from a 3.5mm headphone jack.
- ▶ Supports adjusting the splicing border fading function to make the video wall image more three-dimensional.
- ▶ Support higher resolution clear splicing within 4 screens, such as 1x4 (7680x1080@30), 4x1 (1920x4320@30) high resolution point-to-point splicing display.
- ▶ Supports quick splice mode switching.
- ▶ Support IR remote control + key function setting

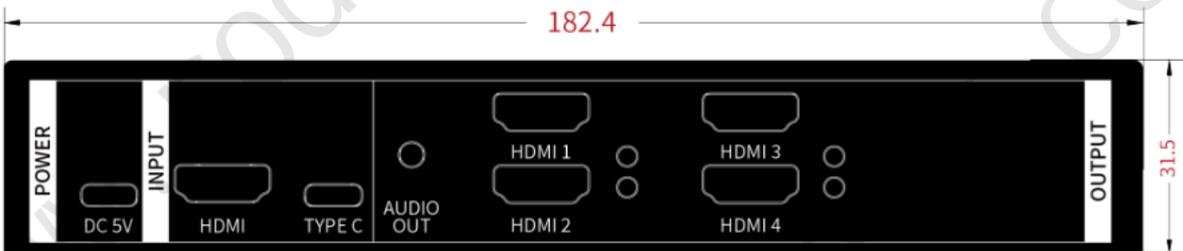
### III. Technical parameters

	name (of a thing)	Parameter description
<b>input signal</b>	HDMI	Max. 4K@60Hz with YCbCr 4:4:4/RGB input, backward compatible
	TYPE-C	Max. 4K@60Hz with YCbCr 4:4:4/RGB input, backward compatible
<b>output signal</b>	HDMI 1-4	Max. 4K@30Hz or 1080P@60Hz output, auto-adaptive to displays
<b>audio output</b>	3.5mm Jack	Stereo L/R channel output, A/V sync switching
<b>Other</b>	Supply	DC 5V
	Power Consumption	4W
	splice mode	Simplex Quad Splicing
	control	Infrared remote control, front panel keys
<b>Chassis</b>	Net Weight	0.6Kg
<b>Specifications</b>	Dimensions (L×W×H)	182.4mm x 97.9mm x 31.5mm
<b>Packaging Information</b>	Gross Weight	0.8Kg
	Dimensions (L×W×H)	242mm×175mm×65mm
	list of items	1 x Main unit, 1 x Power adapter, 1 x Remote control, 1 x Product warranty card

## IV. Product Size



Front panel



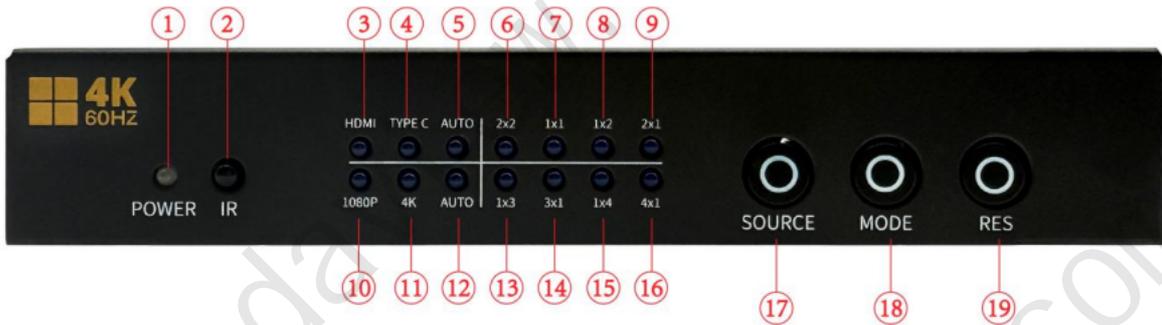
Rear panel



Top panel

## V. Panel Buttons and Port Description

### 1. Front Panel Key Function

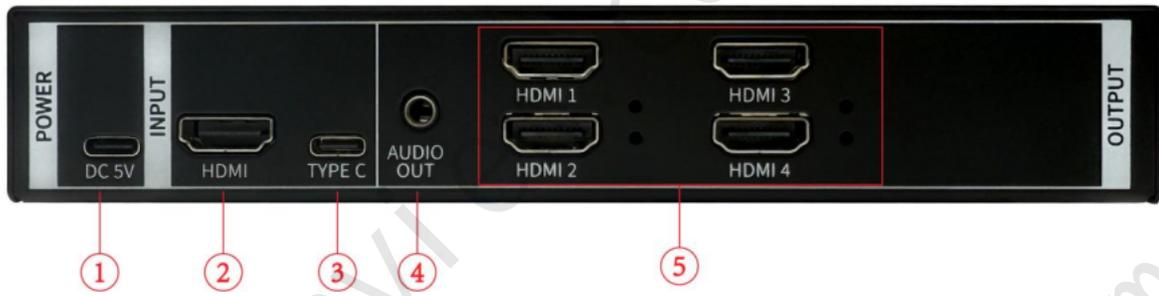


#	Key/LED Name	Function	#	Key/LED Name	Function
1	POWER	System Power Indicator	11	4K	HDMI Output 4K@30Hz Mode LED
2	IR	IR Receiver Status Indicator	12	AUTO	Output Auto-Adjust Mode LED
3	HDMI	HDMI Input Channel LED	13	1x3	1×3 Video Wall Mode LED
4	TYPE C	Type-C Input Channel LED	14	3x1	3×1 Video Wall Mode LED
5	AUTO	Auto Input Detection LED	15	1x4	1×4 Video Wall Mode LED

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6	2x2	2×2 Video Wall Mode LED	16	4x1	4×1 Video Wall Mode LED
7	1x1	1×1 Single Screen Mode LED	17	SOURCE	Input Source Toggle Key
8	1x2	1×2 Video Wall Mode LED	18	MODE	Video Wall Layout Switch Key
9	2x1	2×1 Video Wall Mode LED	19	RES	Output Resolution Toggle Key
10	1080P	HDMI Output 1080P@60Hz Mode LED			

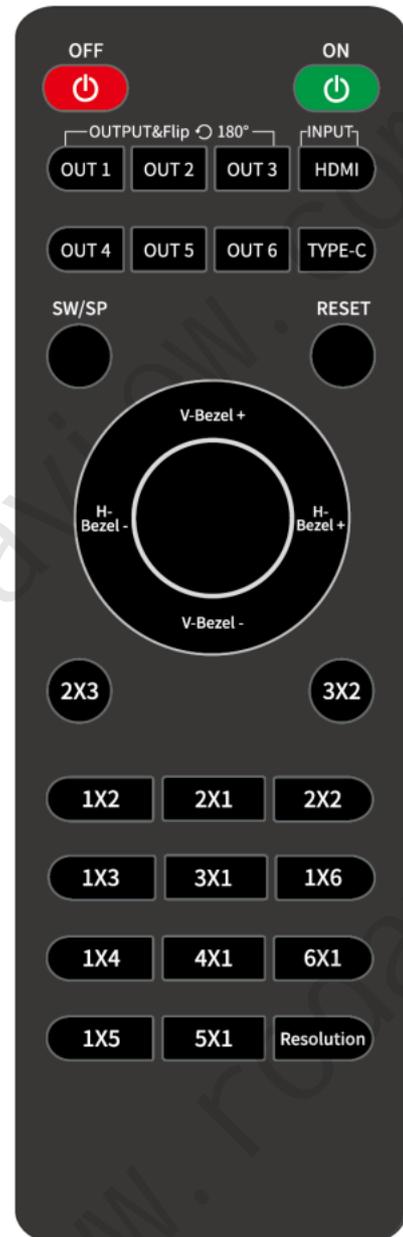
## 2. Rear Panel Port Description



serial number	interface name	clarification
1	DC 5V	Power supply 5V input
2	HDMI	HDMI signal input
3	TYPE C	TYPE-C signal input
4	AUDIO	3.5mm audio output
5	HDMI1-4	HDMI1-4 signal output

## VI. Remote Control Key Description

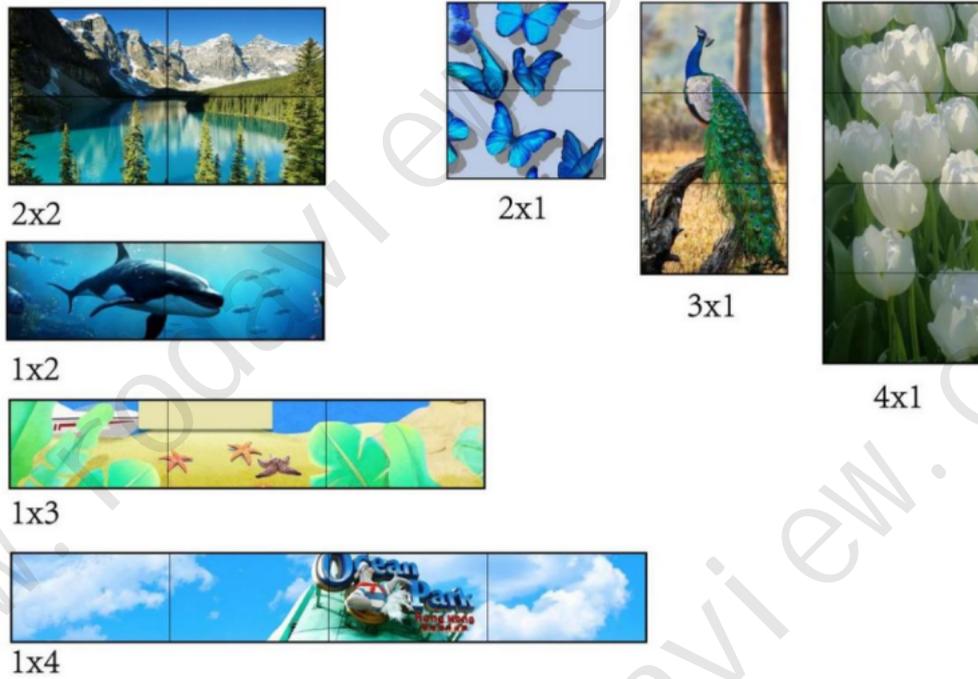
OFF	Standby
ON	Power On
OUT1-6	HDMI1-6 output port signal flip
HDMI	Quick Switch for HDMI Input
TYPE C	TYPE-C input source quick
SW/SP	Quick Switching/Single Display
RESET	System Reset
V-Bezel+	Vertical Seam Hiding +
V-Bezel-	Vertical Seam Hiding -
H-Bezel+	Horizontal Seam Hiding +
H-Bezel-	Horizontal Seam Hiding-
2x3	2X3 splicing mode
3X2	3X2 splicing mode
1X2	1X2 splicing mode
2x1	2X1 splicing mode
2X2	2x2 splicing mode
1X3	1X3 splicing mode
3X1	3X1 splicing mode
1X6	1x6 splicing mode
1x4	1x4 splicing mode
4X1	4X1splicing mode
6X1	6X1 splicing mode
1x5	1X5 splicing mode
5X1	5X1 splicing mode
Resolution	Output Resolution Mode



## VII. Connection Diagram



## VIII. Splice Mode Preview



## IX. Product physical picture

