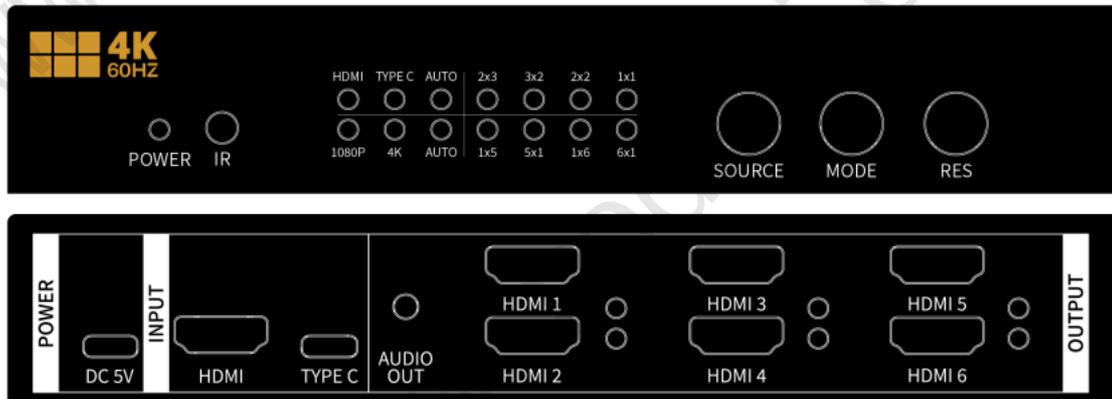


4K TV Video Wall Controller 6output Product Specification



Model: RDTV4K-06C

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., 2×3 tiling) via IR remote or front-panel buttons, supporting dynamic 4-6 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. Features

- ▶ Supports 1 × HDMI input and 1 × Type-C input. Supports automatic input detection and switching.
- ▶ HDMI and Type-C support maximum signal input resolution of 4K@60Hz 4:4:4, and support HDCP 2.2 ultra-high-definition authorized signals.

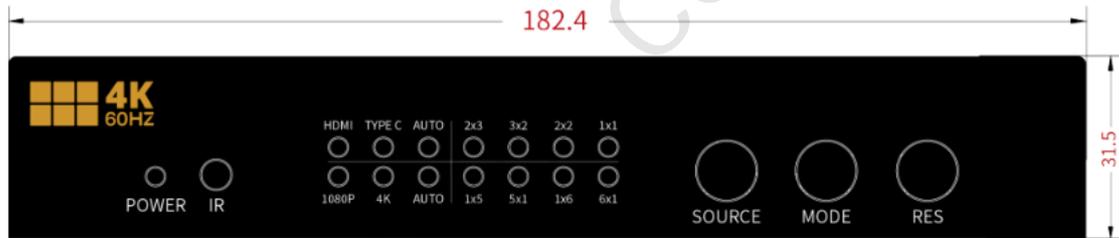
4K TV Video Wall Controller

- ▶ 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, allowing the TV to be flipped and mounted, reducing the gap between TV panels.
- ▶ Supports 3.5mm headphone jack for left and right channel audio output.
- ▶ Supports adjustable bezel blending functionality to enhance the three-dimensional appearance of video walls.
- ▶ Supports higher resolution seamless splicing within 4 screens, such as 1x4 (7680x1080@30) and 4x1 (1920x4320@30) high-resolution pixel-to-pixel splicing display.
- ▶ Supports quick switching between splicing modes.
- ▶ Support IR remote control + key function setting.

III. Technical Specifications

	name (of a thing)	Parameter description
input signal	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
output signal	HDMI 1-6	Max. 4K@30Hz or 1080P@60Hz output, auto-adaptive to displays
audio output	3.5mm Jack	Stereo L/R channel output, A/V sync switching
Other	Supply	DC 5V
	Power Consumption	6W
	splice mode	Simplex Quad Splicing
	control	Infrared remote control, front panel keys
Chassis	Net Weight	0.6Kg
Specifications	Dimensions (L×W×H)	182.4mm x 97.9mm x 31.5mm
Packaging	Gross Weight	0.8Kg
	Dimensions (L×W×H)	242mm×175mm×65mm
Information	list of items	1 x Main unit, 1 x Power adapter, 1 x Remote control, 1 x Product warranty card

IV. Product Dimensions



Front panel



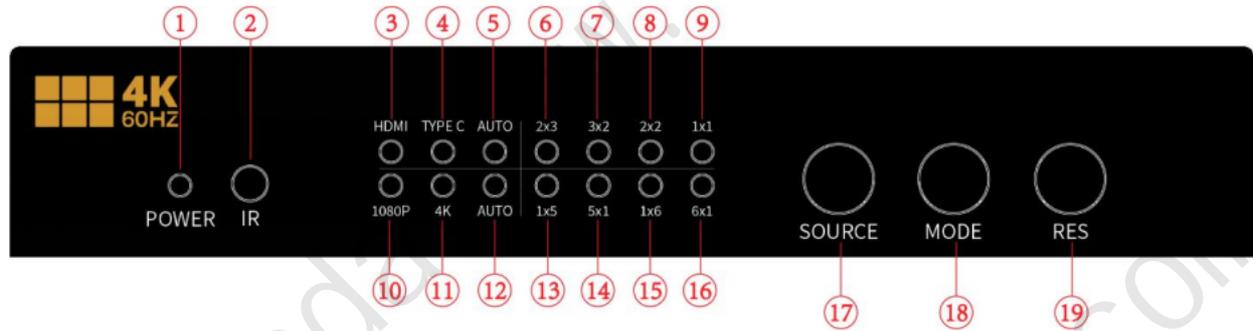
Rear panel



Top panel

V. Panel Buttons and Port Description

1. Front Panel Button Functions

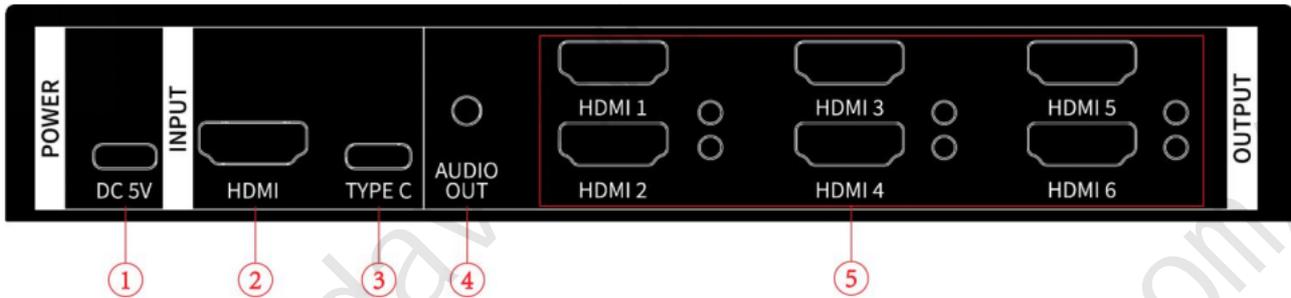


#	Key/LED Name	Function	#	Key/LED Name	Function
1	POWER	System Power Indicator	11	4K	HDMI output 4K@30Hz Mode LED
2	IR	IR Receiver Status Indicator	12	AUTO	Output Auto-Adjust Mode LED
3	HDMI	HDMI Input Channel LED	13	1x5	1×5 Video Wall Mode LED
4	TYPE C	Type-C Input Channel LED	14	5x1	5×1 Video Wall Mode LED
5	AUTO	Auto Input Detection LED	15	1x6	1×6 Video Wall Mode LED

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#	Key/LED Name	Function	#	Key/LED Name	Function
6	2x3	2×3 Video Wall Mode LED	16	6x1	6×1 Video Wall Mode LED
7	3x2	3×2 Single Screen Mode LED	17	SOURCE	Input Source Toggle Key
8	2x2	2×2 Video Wall Mode LED	18	MODE	Video Wall Layout Switch Key
9	1x1	1×1 Video Wall Mode LED	19	RES	Output Resolution Toggle Key
10	1080P	HDMI Output 1080P@60Hz Mode LED			

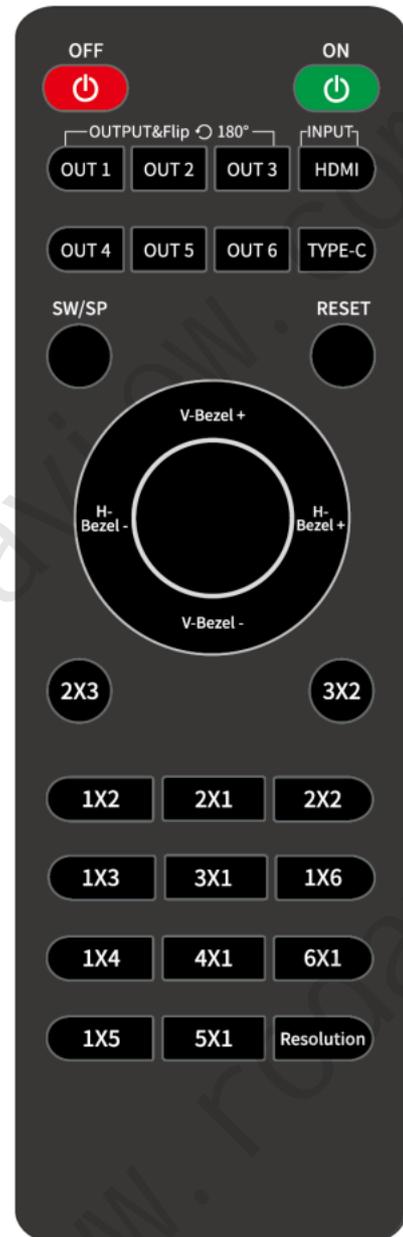
2. Rear panel port description



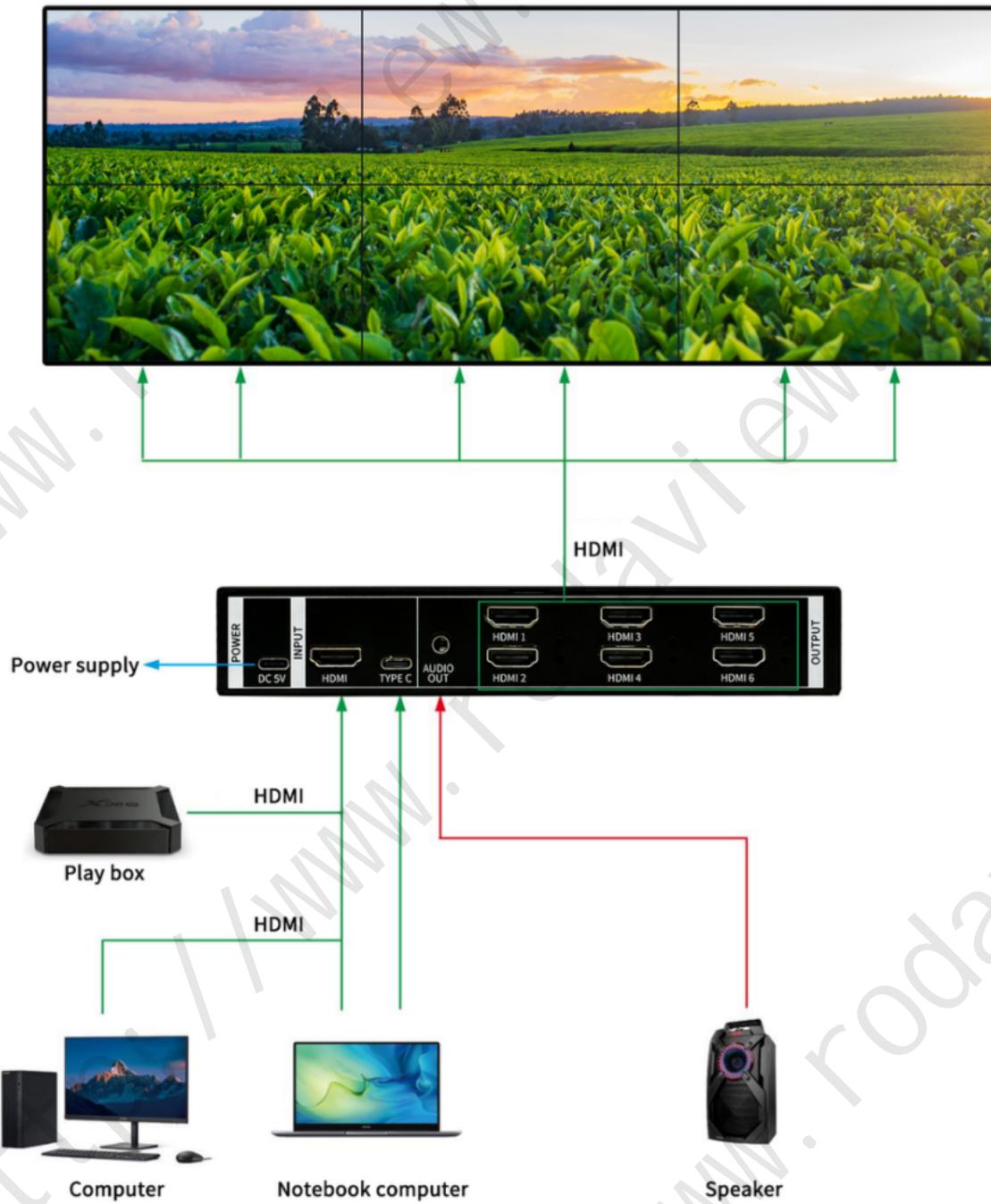
Serial	Interface Name	Description
1	DC 5V	Power Supply 5V Input
2	HDMI	HDMI signal input
3	Type C	Type-C signal input
4	AUDIO	3.5mm audio output
5	HDMI 1-6	HDMI 1-6 signal output

VI. Remote Control Key Description

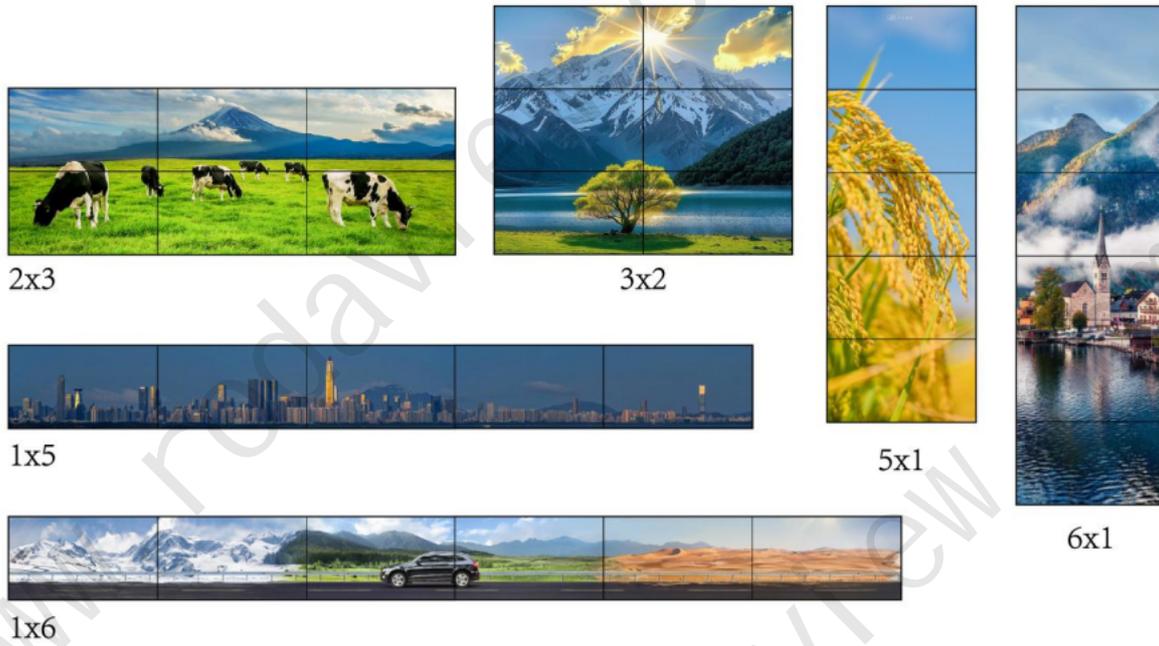
OFF	Standby
ON	Power On
OUT1-6	HDMI1-6 output port signal flip
HDMI	Quick Switch for HDMI Input
TYPE C	TYPE-C input source quick
SW/SP	Quick Switching/Single Display
RESET	System Reset
V-Bezel+	Vertical Seam Hiding +
V-Bezel-	Vertical Seam Hiding -
H-Bezel+	Horizontal Seam Hiding +
H-Bezel-	Horizontal 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.Splicing Mode Preview



IX.Product Physical Diagram

