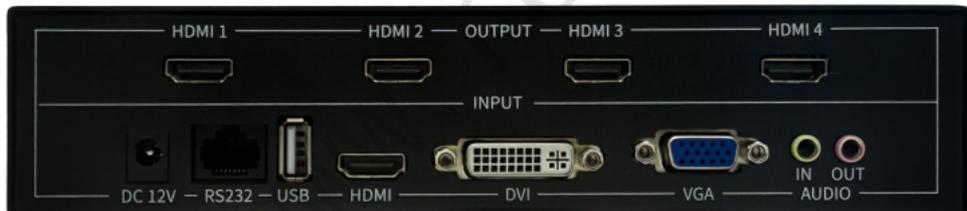# 2K Video Wall Controller 4output

Product Specification

Model: RDTV2K-04

I. Product Overview

The 2K Video Wall Controller supports a maximum resolution of 1920x1080@60Hz HDMI 4:4:4 input and is compatible with HDCP 1.4. It supports routing any input to 4 HDMI outputs. Users can select different video wall modes via the remote control or panel buttons, such as 2×2 video wall mode. It also supports landscape video wall mode.

This 2K TV video wall box 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-channel signal output, can be connected to LCD TVs or other display devices, and can be customized to various video wall modes according to user requirements.

2. The product supports daisy-chaining to achieve a maximum of 255 signal outputs.

3. The product uses a high-definition processing chip, supporting 1080P signal input and output.

4. The product is equipped with infrared remote control and front panel buttons, allowing users to perform one-touch quick control and full-function control via buttons or remote control, offering a simple

and convenient experience. It can also be controlled via RS-232 for central control and expanded functionality.

5. The product supports 1 VGA input, 1 DVI input, 1 USB input, and 1 HDMI input. All input signals can be switched to the large screen for display.

6. Supports audio input and output, and enables synchronized audio output with the corresponding video.

7. Supports 180-degree rotation of any video wall screen.

8. The product features built-in scrolling subtitle functionality, allowing users to adjust subtitle position, scrolling speed, font size, text color, and background color via the RS-232 communication interface using the included control software.

9. The product features built-in image zoom and cropping functionality, allowing users to zoom in, zoom out, and crop the large screen image using the built-in control software or remote control menu.

10. Supports border elimination technology. Without border elimination, the image may appear visually stretched. After border elimination, the image remains distortion-free, stretched, and visually natural and realistic.

11. Supports USB connectivity; simply insert a USB drive to decode and play videos, images, MP3 files, and documents directly; no additional front-end devices are required, making it simple and practical.

12. Supports remote control operation via an infrared remote control, enabling all settings, switching, and adjustment functions of the video wall processor. The remote control features ultra-sensitive design with a remote control range of up to 7 to 10 meters.

III. Technical Specifications

Category	Item	Technical Parameters
Input Signal	HDMI	HDMI 1.4 with embedded audio; Supports 640×480 to 1920×1080@60Hz
	DVI	DVI-I (24+5) interface; Supports 640×480 to 1920×1080@60Hz
	VGA	HD15 connector with integrated 3.5mm audio input; **Note**: Supports 640×480 to 3840×2160@60Hz (*actual resolution depends on cable/display capabilities*)
	USB 2.0	Standard USB-A port; Decodes video/audio/images, plays TXT files; Supports playlist loop, pause, fast-forward
Output Signal	HDMI 1-4	Tiling modes: 1×1, 1×2, 1×3, 1×4, 2×1, 2×2, 3×1, 4×1; Max output: 1920×1080@60Hz

| Category	Item	Technical Parameters
Audio Output	3.5mm Jack	Stereo audio (L/R channels); Sync-switching with video signals
Others	Supply	DC 12V/1.5A (included adapter)
	Consumption	18W (typical)
	Tiling Mode	Quick Quad-Splicing (4-screen max per unit)
	Control	Infrared remote, front panel buttons, RS-232
Physical	Net Weight	1.1kg
	Gross Weight	1.7kg
	Dimensions (L×W×H)	215×161×47mm
Packaging	Box Size (L×W×H)	380×227×102mm
	Contents	1× Main unit, 1× Power adapter (12V/1.5A), 1× Remote, 1× DVI-VGA adapter, 1× Warranty card, 2× Mounting brackets, 6× Mounting screws, 1× Software CD

IV. Product Dimensions
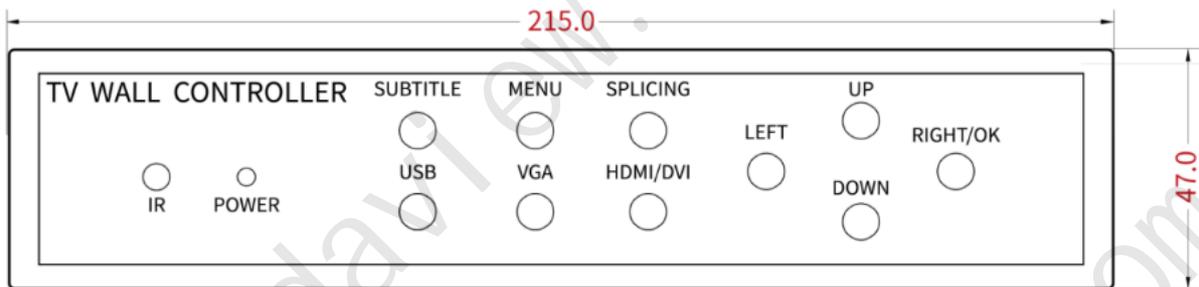
Front panel
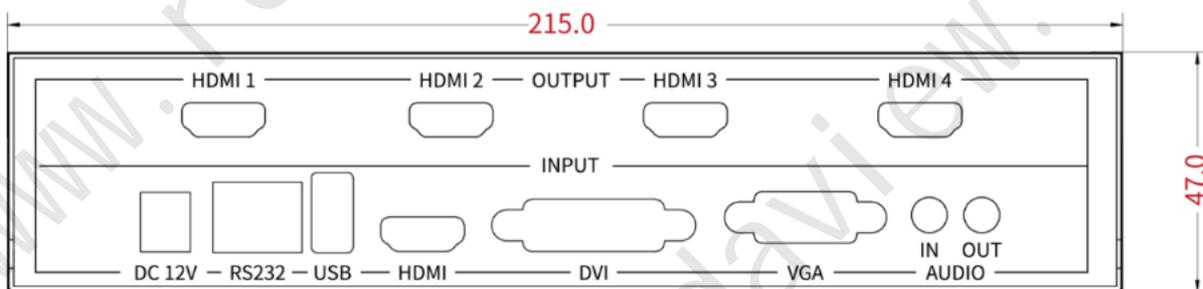
Rear panel

Side panel

V. Panel Buttons and Interface Descriptions

1. Front Panel Button Functions
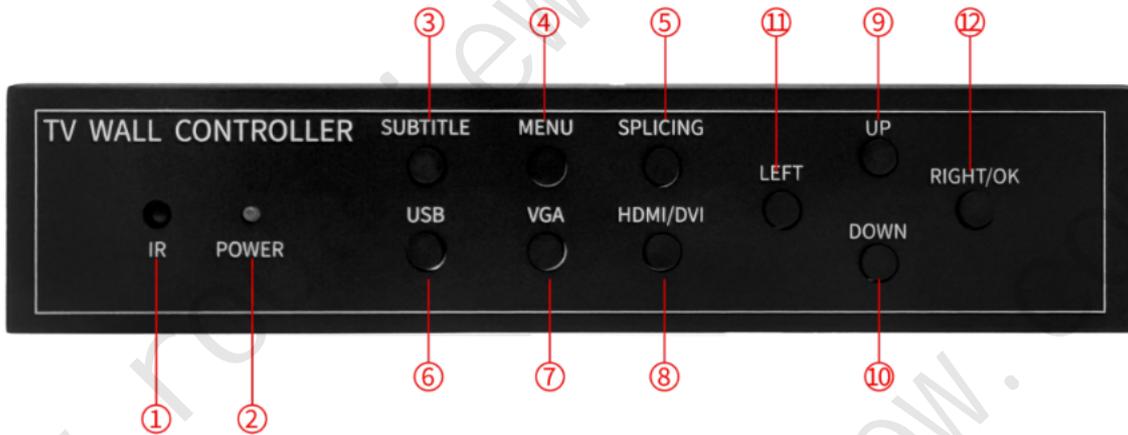
No.	Button	Function Description
1	IR	Infrared Receiver (Receives remote control signals)
2	POWER	Power Indicator (Green LED lit indicates normal operation)
3	SUBTITLE	Subtitle Toggle Button
4	MENU	Menu Navigation Button
5	SPLICING	Tile/Untile Display Button
6	USB	Source Selection: Multimedia Input
7	VGA	Source Selection: VGA Input
8	HDMI/DVI	Source Selection: HDMI/DVI Input
9	UP	Navigation: Up

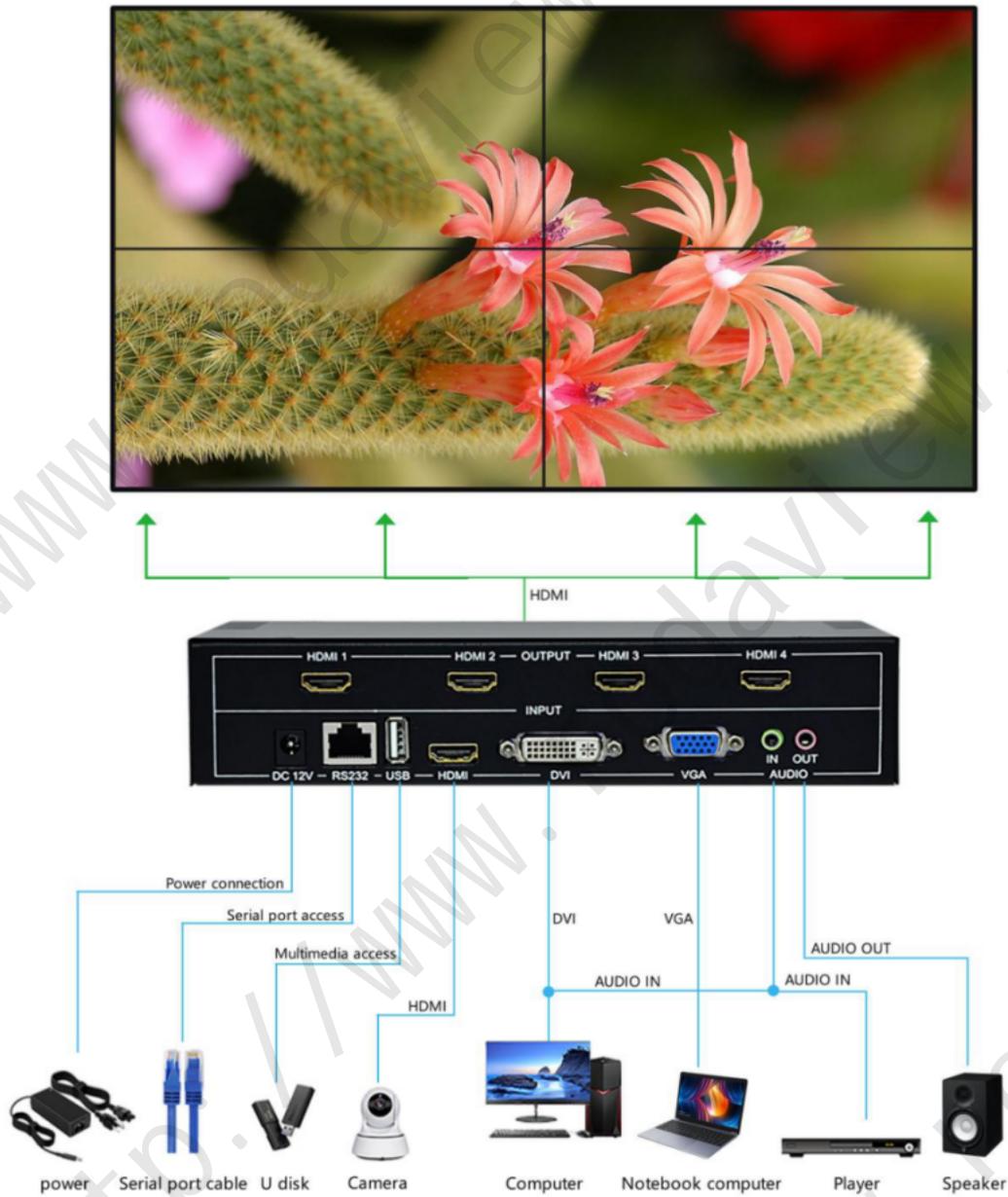| No.	Button	Function Description
10	Down	Navigation: Down
11	LEFT	Navigation: Left
12	RIGHT/OK	Navigation: Right / Selection Confirmation

2、 Rear Panel Port Description
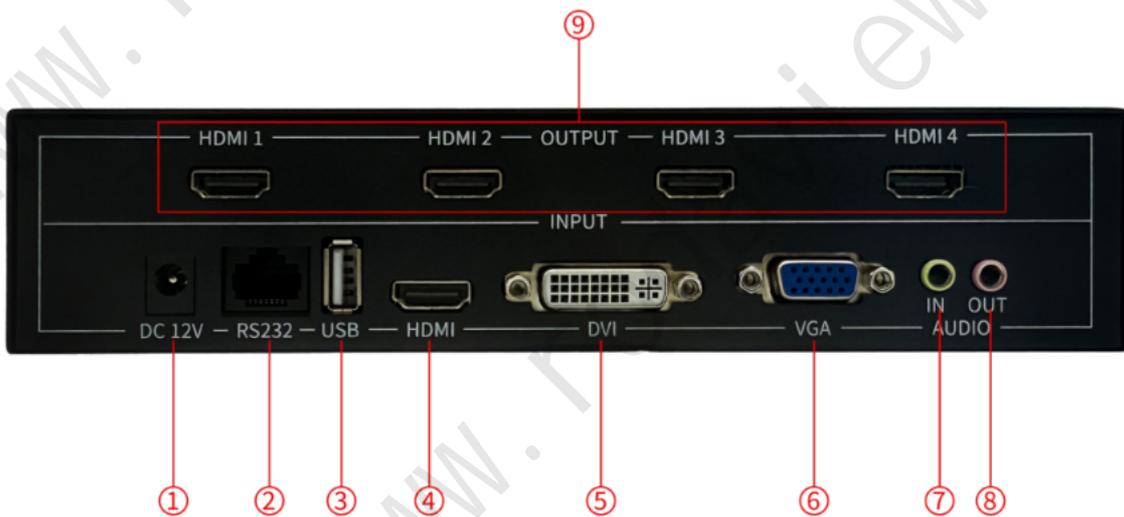
Section	No.	Interface	Function Description
INPUT	1	DC 12V	12V DC Power Input
	2	RS-232	Serial Control Input
	3	USB	USB 2.0 Host Port
	4	HDMI	HDMI Video/Audio Input (1080p@60Hz)

Section	No.	Interface	Function Description
	5	DVI	DVI-D Digital Video Input
	6	VGA	VGA Analog Video Input
	7	AUDIO-IN	3.5mm Stereo Audio Input
OUTPUT	8	AUDIO-OUT	3.5mm Stereo Audio Output (Line-level)
	9	HDMI 1-4	HDMI Output Ports 1 to 4 (Video Wall Tiling)

VI. Remote Control Key Description

OFF	Power Off
ON	Power On
PC	PC Signal/Playback
HDMI	HDMI Signal/Pause
DVI	DVI Signal/Stop
🔉	Volume Down
🔊	Image Rotation
🔄	Volume Up
SW/SP	Split / Merge
INPUT	Switch Signal Source Menu
←	Left menu options
→	Right menu options
↑	Up menu option
↓	Down menu option
OK	Confirm
MENU	Menu options/Return to
EXIT	Exit Options
MUTE	Mute Option
UPGRADE	Software Upgrade

VII. Connection Diagram

VIII. Splicing Mode Preview

2x2

2x1

3x1

1x2

4x1

1x3

1x4

IX. Product Physical Diagram

Front View

Rear View

Left/Right View