

Video Rotating Box

Product Specifications



Model: RDS-5871

I. Product Overview

Video Rotating Box supports supports maximum resolution of 4K@60Hz HDMI 4:4:4 input with HDCP 2.2 compliance. It supports 4K@60Hz output to one HDMI output. Users can select different rotation modes via remote control or buttons. This product is a high-definition image rotation box specifically designed for LCD TVs, ultra-narrow bezel LCD screens, and projectors. When connected to an LCD TV or other display device, it can rotate images to various angles according to user requirements.

II. Features

1. Supports 2×HDMI 1.4 and 2×HDMI 2.0 inputs.
2. Maximum input resolution: 4K@60Hz 4:4:4, HDCP 2.2.
3. Maximum output resolution: 4K@60Hz 4:4:4, HDCP 2.2.
4. Supports signal rotation at 0°, 90°, 180°, and 270°.
5. Supports 3.5mm analog audio output.
6. Supports signal border blanking adjustment and image cropping for black-border-free display.
7. Supports cropping using black-bordered images.
8. Features intelligent thermal control protection for stable, reliable, and durable heat dissipation.

- 9. Features a silent smart fan for noise-free operation.
- 10. Supports quick switching via remote control or physical buttons.
- 11. Enables full remote control operation for portrait rotation box settings, switching, and adjustments.

The ultra-sensitive remote allows direct mode switching using numeric keys 0-9 for convenience.

- 12. Supports video signal windowing functions, including PIP, POP, PBP, and 4P windowing modes.
- 13. Supports 0° landscape and 90° portrait irregular-shaped splicing, enabling combination use to create ultra-large custom wall displays.

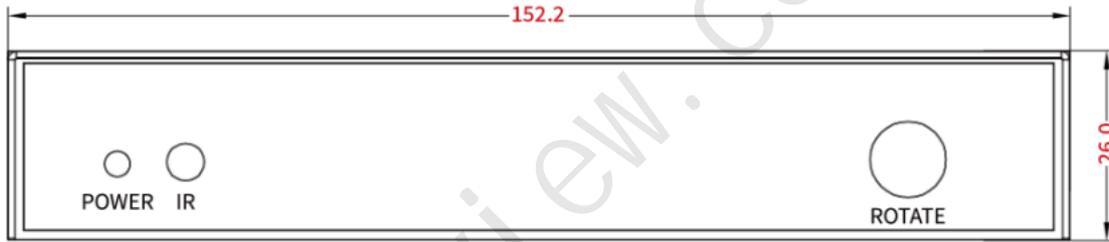
III. Technical Specifications

Category	Name	Specifications
Input Signal	HDMI 1, 2	HDMI 1.4 with embedded audio; Supports resolutions from 640×480 to 3840×2160@30Hz
	HDMI 3, 4	HDMI 2.0 with embedded audio; Supports resolutions from 640×480 to 3840×2160@60Hz

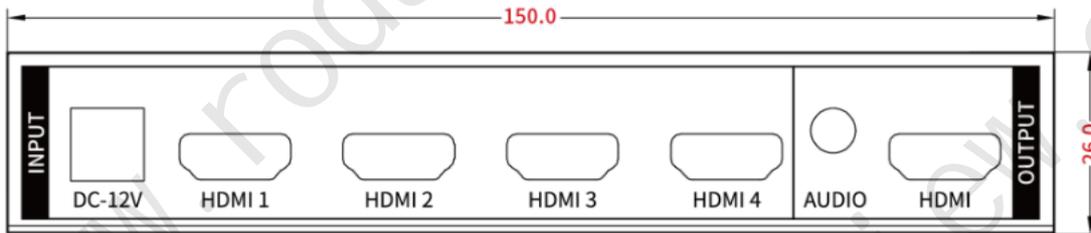
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Output Signal	HDMI	HDMI output resolution supports up to 1920×1200@60Hz
Audio Output	Audio 3.5mm	Audio interface, supports stereo L/R channels, synchronized audio/video signal switching
Other	Power Supply	DC 12V-1.5A
	Power Consumption	8W
	Control Method	IR Remote Control, Front Panel Buttons
Physical Specifications	Net Weight	0.5Kg
	Gross Weight	1.5Kg
	Dimensions	152.2 × 107 × 26 mm (L×W×H)
Packaging Information	Dimensions	240 × 190 × 65 mm (L×W×H)
	Package List	1 × Main Unit; 1 × Power Adapter; 1 × Remote Controller; 1 × Product Warranty Card

IV. Product Dimensions



Front panel



Rear panel



Top panel

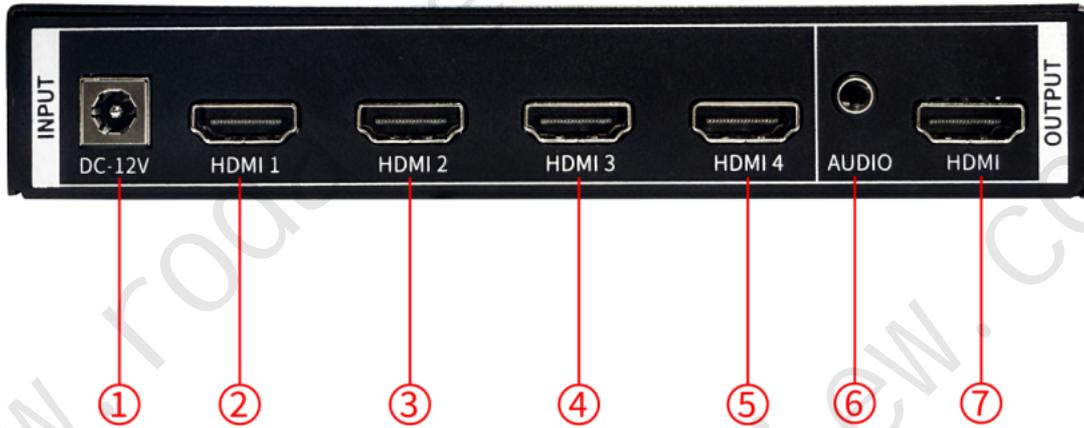
V. Panel Buttons and Port Descriptions

1. Front Panel Button Functions



No.	Button Name	Description
1	POWER	Indicator light (Green light on indicates normal operation)
2	IR	Infrared (Receives infrared signals)
3	ROTATE	Rotate signal by 0°, 90°, 180°, or 270°

2. Rear Panel Port Descriptions



INPUT	1	DC 12V	12V DC Power Input
	2	HDMI 1	HDMI 4K@30Hz Signal Input
	3	HDMI 2	HDMI 4K@30Hz Signal Input
	4	HDMI 3	HDMI 4K@60Hz Signal Input
	5	HDMI 4	HDMI 4K@60Hz Signal Input
OUTPUT	6	AUDIO	3.5mm Audio Jack (Stereo L/R Channel Output)
	7	HDMI	HDMI 4K@60Hz Output

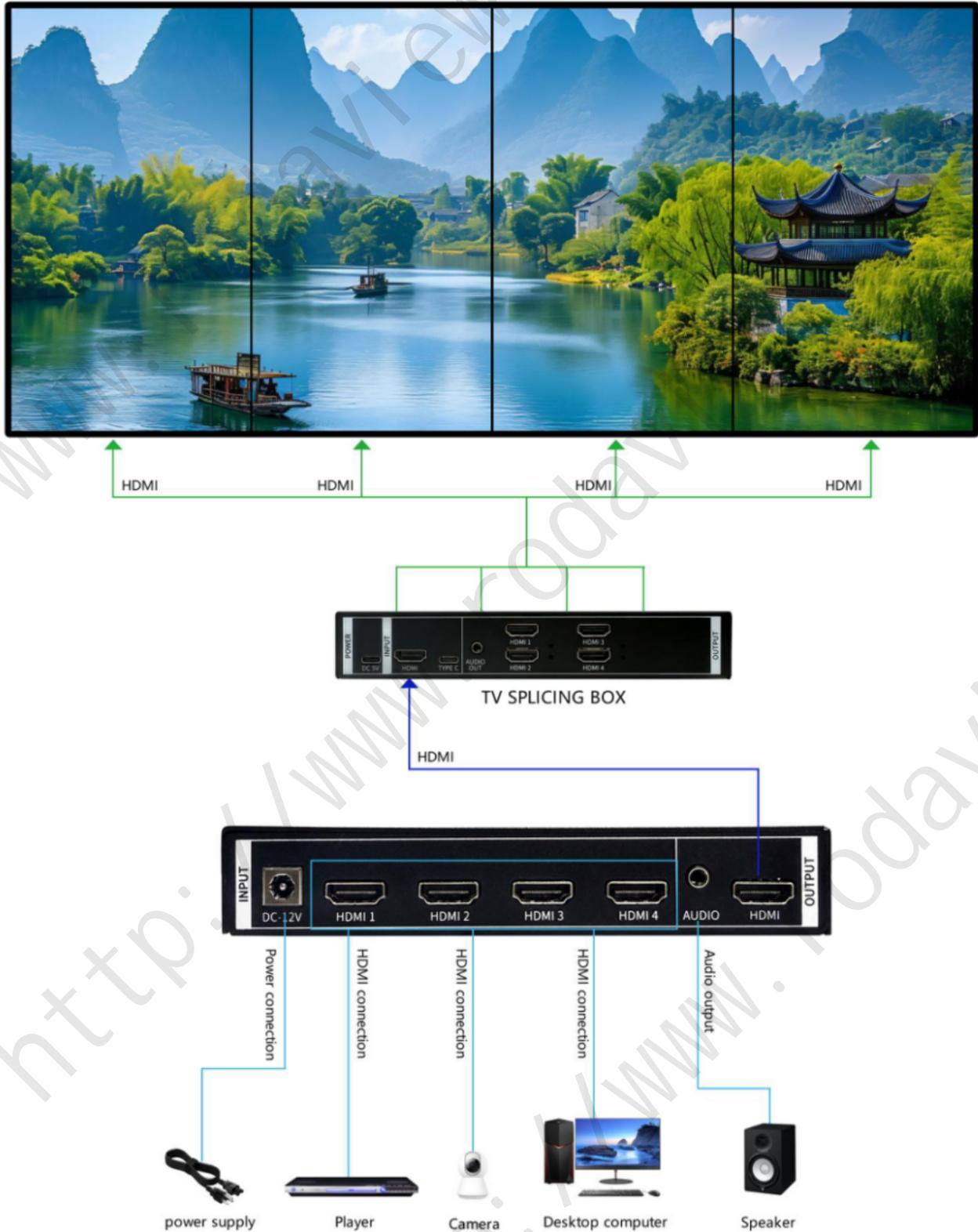
VI. Remote Control Button Guide

OFF	Power On	
ON	Switch to DP Signal	
DP	Switch to HDMI 1 Signal	
HDMI	Switch to HDMI 2 Signal	
DVI	Volume Down	
	Rotate Image	
	Volume Up	
	-	
SW/SP	Open Input Source Menu	
INPUT	Move Left (Menu)	
←	Move Right (Menu)	
→	Move Up (Menu)	
↑	Move Down (Menu)	
↓	Confirm / Enter	
OK	Open Menu / Return to Previous	
MENU	Exit / Cancel	
EXIT	Mute / Unmute	
MUTE	No Function	
UPGRADE	Recall Preset Mode	
Number Keys 1-9	Power On	

VII. Connection Diagram



VIII.Schematic Diagram of Splicing Mode



IX. Window Mode Preview

PIP



POP



PBP



4P



X. Product Actual Photos

Front view



Rear view



Left/Right View

