

## HDMI VIDEO WALL

### HDMI 2X2 Video Wall Controller (4K30Hz) With Picture Rotation



Where every Moment comes Alive

# ER2635VW

## Introduction:

The **EiRA ER2635VW 4K 2x2 Video Wall Controller** supports HDMI or DVI input and provides four HDMI outputs. Its primary function is to split a single high-definition HDMI or DVI image into four separate sections and distribute them across four display units such as LCD TVs or rear-projection screens. When connected together, these four displays create a seamless, large-format dynamic video wall. The controller also supports input resolutions up to 1920x1080 and enables vertical screen splicing mode for flexible display configurations.

## Features:

- Supports both HDMI and DVI input with HDCP 1.4/1.3 compliance.
- Enables vertical screen splicing in 1x1, 2x1, 3x1, and 4x1 configurations, and supports 90° and 270° image rotation. *(Input limited to 1920x1080/8-bit for these modes.)*
- Allows 180° rotation of any output image, making it suitable for inverted display installations.
- Features power-off memory, automatically restoring previous settings when restarted.
- Provides four HDMI output ports for multi-display setup.
- Supports RGB 4:4:4 output for high-quality colour reproduction.
- Equipped with RS232 control for professional system integration.
- Offers multiple splicing layouts including 1x1, 1x2, 2x1, 1x3, 3x1, 2x2, 1x4, and 4x1, ensuring flexible and easy plug-and-play operation.
- Supports input resolutions of up to 3840x2160@30Hz, 1920x1080@60Hz, and 1280x720@60Hz.
- Supports output resolutions of 1280x720@60Hz, 1920x1080@60Hz, and 3840x2160@30Hz.
- Incorporates border masking technology that adjusts blanking width at panel edges, minimizing bezel interference and ensuring a smoother, more seamless video wall display.

Specification	Details
HDMI Resolution	Up to 4K/30Hz
Supported Audio Format	Stereo
Audio Sampling Rate	48KHZ, 96KHZ, 192KHZ
Max Bandwidth	340 Mhz
Max Baud Rate	10.2 Gbps
Max Working Current	350mA
Power Adapter	Input: AC (50Hz/60Hz) 100V–240V Output: 12V DC / 1A
Operating Temperature	-10°C to +45°C
Dimensions (L × W × H)	226 × 108 × 24 mm
Weight	517g

Resolution	Input	Output	Total cable length	Cable requirement
4K@30Hz	≤10M	≤10M	≤20M	26AWG
1080@60Hz	≤15M	≤15M	≤30M	24AWG

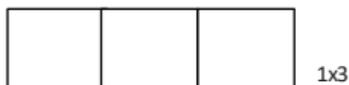
**Tips:** Please buy the right cable as required.

**PS:** The above data are obtained from the laboratory tests.

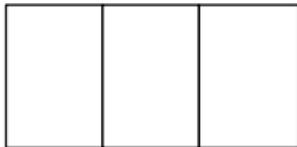
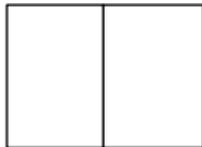
### Ideal Uses:

- Creating **large-scale video walls** in control rooms, retail stores, conference halls, exhibitions, and events.
- Perfect for **digital signage**, advertisements, and product displays.
- Suitable for **monitoring centres** and **security control rooms** requiring multi-screen layouts.
- Enhances **presentations and live events** with immersive, seamless visuals.

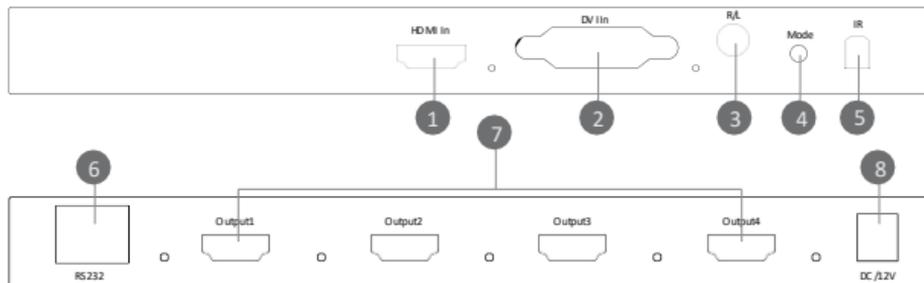
**Multiple Splicing Modes:**  $1 \times 1 / 1 \times 2 / 2 \times 1 / 1 \times 3 / 3 \times 1 / 2 \times 2 / 4 \times 1$



**Vertical Splicing Modes:**  $1 \times 1 / 2 \times 1 / 3 \times 1 / 4 \times 1$  (Remote Controller choose input  $90^\circ$  or  $270^\circ$ )



## Product Interface:



1 : HDMI In -- HDMI input interfaces ;

2 : DVI In -- DVI input interface ;

3 : R/L -- 3.5mm audio output interface ;

4 : Mode -- Mode switching button ;

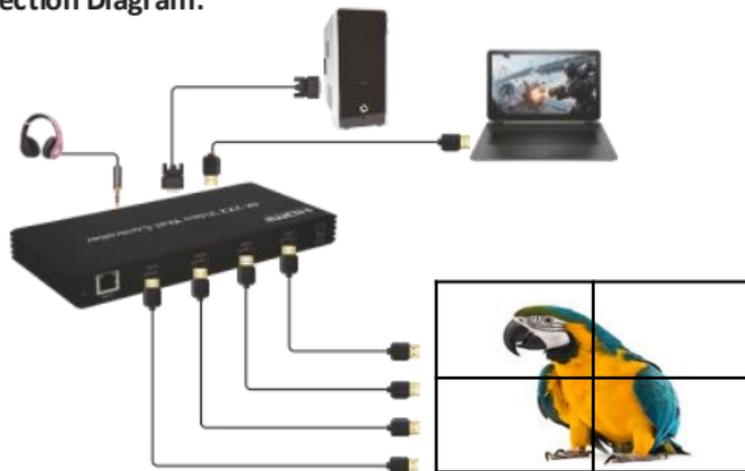
5 : IR -- Infrared reception ;

6 : RS232 -- RS232 interface ;

7 : Output1-4 -- HDMI output interfaces ;

8 : DC/12V -- Power supply ;

## Connection Diagram:



## Remote Control:



Mute : Mute

Input switch:  
HDMI DVI : Input switching selection

Mode : Mode cycle switching

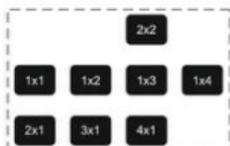
720P 1080P 4K : Output resolution selection

Bezel + Bezel - : Bezel adjustment

180° Flip  
OUT1  
OUT2  
OUT3  
OUT4 : Output 180° Flip

Brightness +  
- : Light adjustment

Contrast +  
- : Contrast adjustment



: 1X1/1X2/2X1/1X3/3X1/2X2/1X4/4X1 mode

Input  
0°  
90°  
180°  
270°

: Input rotation adjustment  
(V ertical screen splicing mode  
choose 90° or 270°)

## Application Industry:



Outdoor Advertisement



Shopping Mall



Surveillance Rooms

## Package Contents:

- 1: 2x2 video wall controller
- 2: Power adapter 12V/1A

1 pc  
1 pc

3: Remote control  
4: User manual

1 pc  
1 pc