



**User Manual**  
**BL-VW22-4K60-A**  
**4K HDMI Video Wall Processor**

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**Version: VP-VW22\_2020V1.0**

## Statement

Thanks for purchasing this product, please read this user manual carefully before using this product. The functions described in this version are updated till October, 2020. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

## Safety Precaution

- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

## After-sales Service

We provide limited warranty for the product within three years.

## Product Introduction

Thanks for choosing the 4K HDMI Video Wall Processor. The unit supports 1 HDMI input and 4 HDMI outputs. HDMI input supports resolutions up to 4Kx2K@60Hz 4:4:4 and output resolution is fixed to be 1920x1080p@60Hz. It supports 9 video wall modes, which can be selected via front panel button and IR remote.

## Product Features

- HDMI input up to 4Kx2K@60Hz 4:4:4.
- HDCP 2.2 and 1.x compliant.
- Four HDMI output resolution fixed to be 1920x1080p.
- Built in automatic up & down-scaling to 1080p output.
- Controlled by front panel button and IR remote.
- Nine video wall modes(1x1, 1x2, 1x3, 1x4, 2x1, 3x1, 4x1, 2x2, 2x2 Rotation) selectable.
- Cascadable for larger system.
- Mute & Unmute optional for audio output.

## Package Contents

- |                           |                             |
|---------------------------|-----------------------------|
| ▪ 1x Video Wall Processor | ▪ 1x Power Adaptor (12V DC) |
| ▪ 2x Mounting Ears        | ▪ 2x Mounting Screws        |
| ▪ 1x IR Remote            | ▪ 4x Plastic Cushions       |
| ▪ 1x User Manual          |                             |

## Specifications

<b>Video Input</b>	
Input	(1) HDMI IN
Input Connector	(1) 19-pin type-A female HDMI
Resolution	Up to 4K@60Hz 4:4:4
<b>Video Output</b>	
Output	(4) HDMI OUT
Output Connector	(1) 19-pin type-A female HDMI
Resolution	1920x1080p@60Hz
<b>General</b>	
HDMI input Version	Up to HDMI 2.0b
HDCP input Version	Up to HDCP 2.2
Audio Format	Supports PCM2.0
Power Supply	Input: 100VAC~240VAC, 50/60Hz; Output: 12VDC 1A
Power Consumption	11W (Max)
Operation Temperature	-5 to +55°C (+23° to +131°F)
Storage Temperature	-25 to +70°C (-13° to +158°F)
Relative Humidity	10% to 90%, Non-condensing
Dimensions (W*H*D)	210mm x 18mm x 110mm
Net Weight	550g

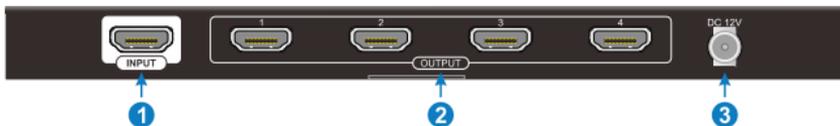
## Panel Description

### ▪ Front Panel



1. **Power LED:** The LED illuminates green when power is applied.
2. **IR:** Built-in IR sensor to receive IR signal.
3. **Audio:** Press the button to turn on/off audio output.
4. **Mode:** Press the button to toggle video wall modes.

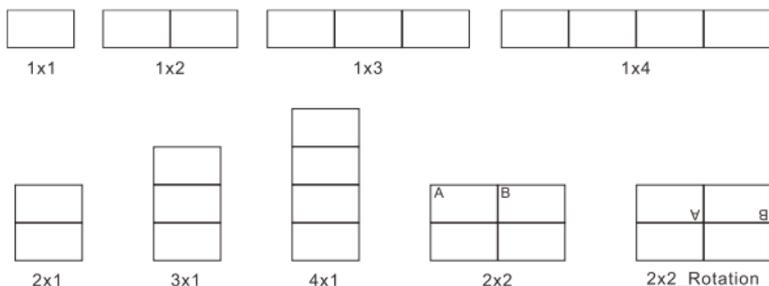
### ▪ Rear Panel



1. **Input:** Type-A female HDMI input port to connect HDMI source device.
2. **Output:** Four type-A female HDMI output port to connect to the video display device.
3. **DC 12V:** DC connector for the power adapter connection.

## Video Wall Modes

User can press the button on the front panel or IR remote to toggle 9 video wall modes.



## IR Remote

The video wall processor has a built-in IR sensor to receive IR control signal from IR remote.

① Standby button:

Press it to enter/ exit standby mode.

② Mute button:

Press it to enter/ exit audio mute mode.

③ OSD button:

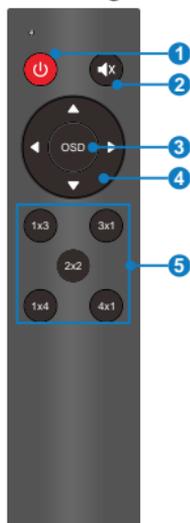
Press it to show/ hidden OSD.

④ Video wall mode select button:

Press them to select video wall mode.

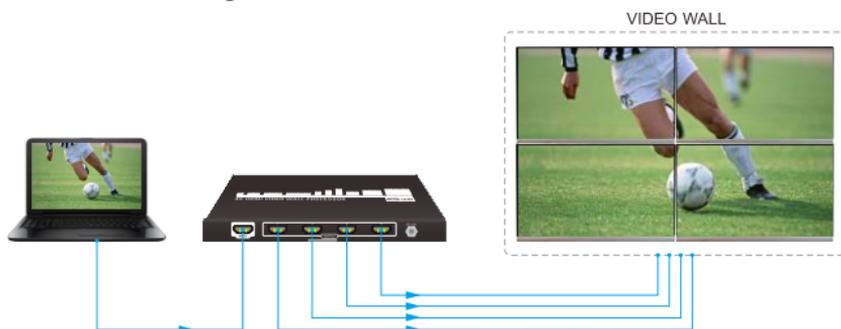
Navigation buttons for previous/ next mode.

2x2 button will toggle between 2x2 mode and 2x2\_Rotation mode.



## Connection Diagram

- Normal Usage



- Cascade Usage

