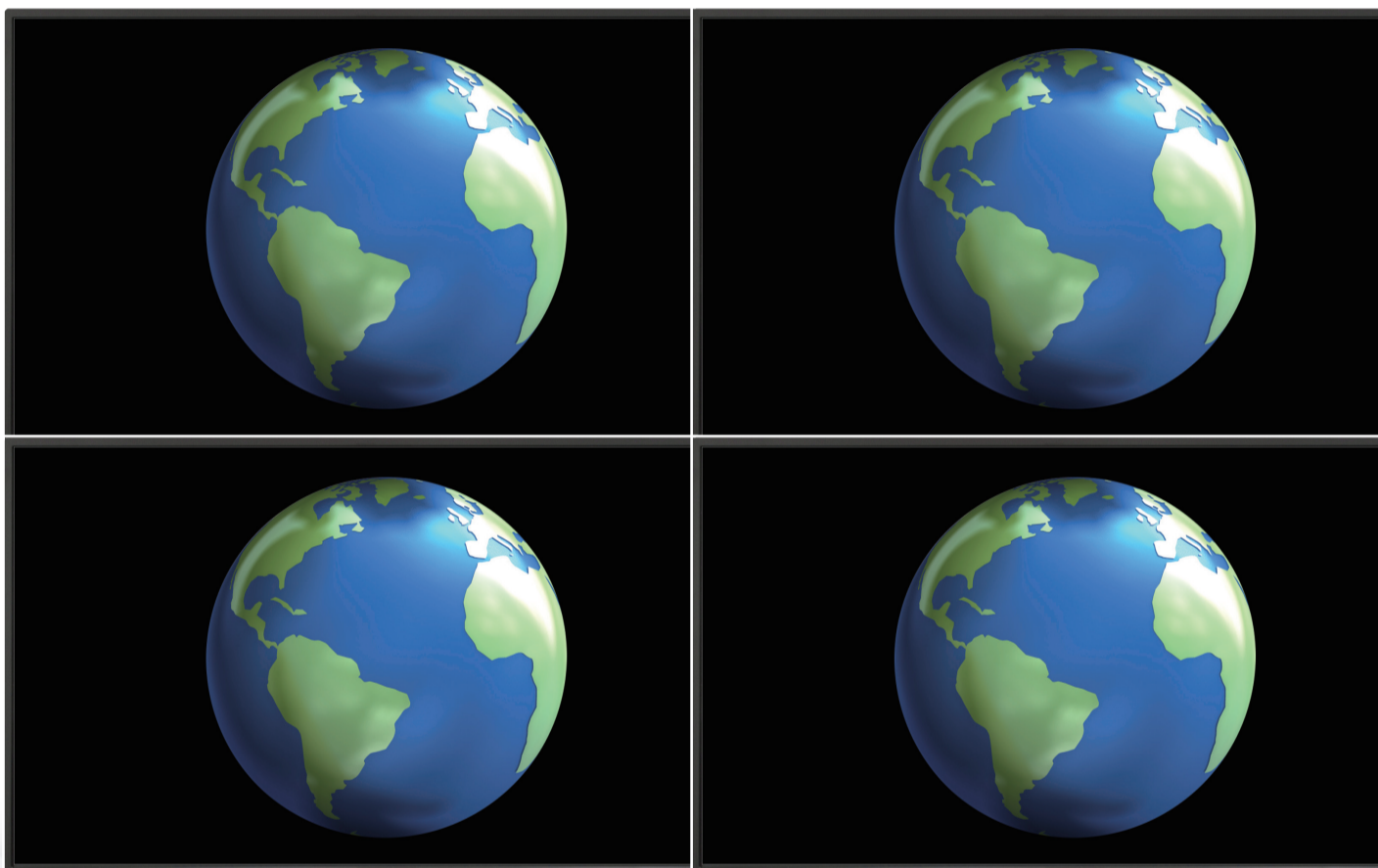


CVW-42AU1

42" Video Wall User manual

Model No.: CVW-42AU1



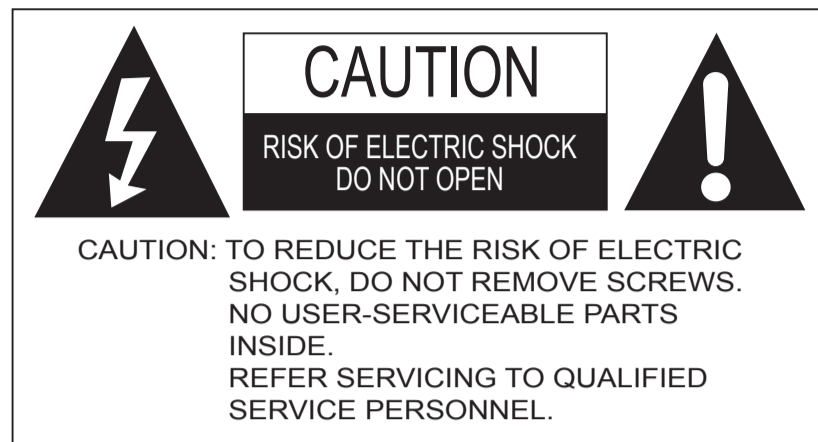
Operation Instructions

Thank you for purchasing this product. For optimal performance and safety, read these instructions carefully. Please keep this manual for future reference.

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Important Information Warning



The lightning flash and exclamation mark are intended to tell which parts inside this product are at risk of electric shock.

Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not place liquid containers (flower vase, cups, cosmetics, etc.) above the set (including on shelves above, etc.).

1. Power Supply

Only operate this product from the type of power supply included in the package. If you are not sure what the voltage is in your home or office please consult your local power provider. Disconnect the product before installation or maintenance.

2. Overloading

Do not overload a wall outlet, extension cord or adapter as this may result in fire or electric shocks.

3. Liquids

This product should not be exposed to any liquid. Also, no containers filled with liquid should be placed on the device.

4. Cleaning

Disconnect the product before cleaning. Please wipe the screen gently with a soft cloth. Do not use chemical solvents to clean this product as this will damage the exterior casing, tinted glass and the remote controller.

5. Mounting

Mount this product on a stable, even surface.

6. Cable

Do not intertwine, pull or compress the power cable, otherwise it can wear out and get damaged. When this system is being installed do not place any cable beneath the product, otherwise electric shocks or short circuits could occur.

1. Introduction

This video wall is the best solution for advertise, entertainment and display the information to the public. To attract audience's attention is captured by the bright, moving, constantly changing and relevant messages, Through RS-232 control box, it allows users to control different views from the video wall.

2. Features

- Supports 2x2 , 3x3, 4x4 video wall
- Supports Full HD 1920 x 1080 LCD panel.
- Through RS-232 control video wall.
- Using one single remote control to select different combination to the display.

3. Applications

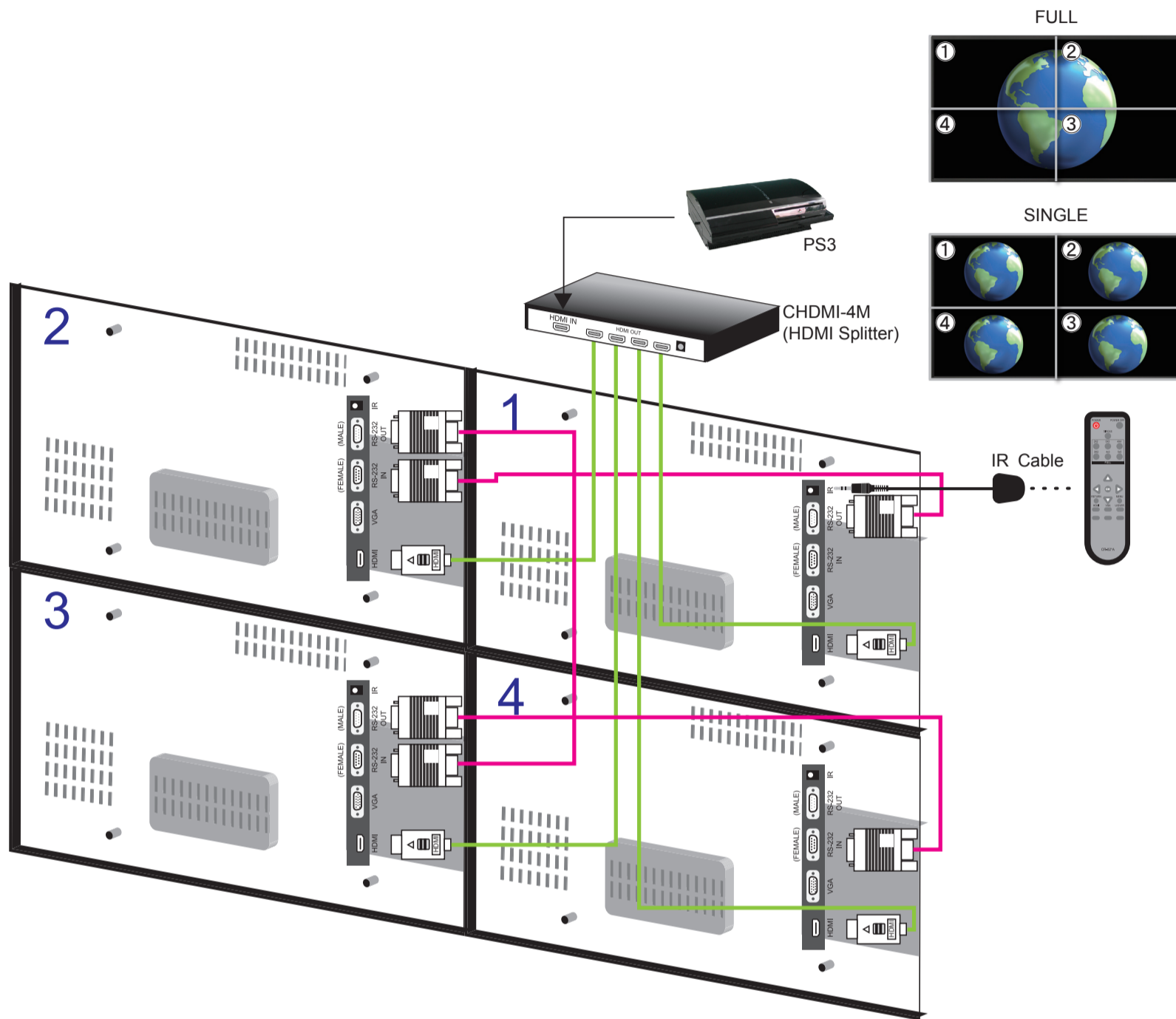
Video Wall systems can operate and apply for public places, Control rooms, Retail Sales Environments, Schools, Hotels and more.

4. Specifications

| Model. No | CVW-42AU1 |
|--|---|
| SPECIFICATION | |
| Screen Size (Inches) | 42 |
| Aspect Ratio | 16:9 |
| Contrast Ratio | 3500:1 |
| Viewing Angle Range | 178°/198° |
| Panel Resolution | 1920 x 1080 |
| Response Time (ms) | 8 |
| VIDEO | |
| HDMI Compatibility | 480i/480p/720p/1080i/1080p |
| HDTV Compatibility | Up to 1080P |
| Progressive Scan | Yes |
| Video Noise Reduction | Yes |
| 3D-Y/C Digital Comb Filter | Yes |
| Color Purity Optimizer (3D Color Management) | Yes |
| Motion Pattern Noise Reduction | Yes |
| INPUT/OUTPUT | |
| HDMI Interface | 1 rear |
| RS-232 | 2 rear (1 male for output , 1 female for input) |
| 15 Pin D-Sub (R/G/B PC input) | 1 rear |
| IR Port | 1 rear |
| GENERAL | |
| Power Supply | 100V~240V |
| Power Consumption (W) | 215 |
| On Screen Display Languages | Chinese, English |
| Dimension (H X V X D) mm | 957 x 550 x 83 |
| Package Dimension (H X V X D) mm | 1080 x 690 x 220 |
| Net Weight (Kg) | 21 |
| Gross Weight (Kg) | 23 |

5. System Installation

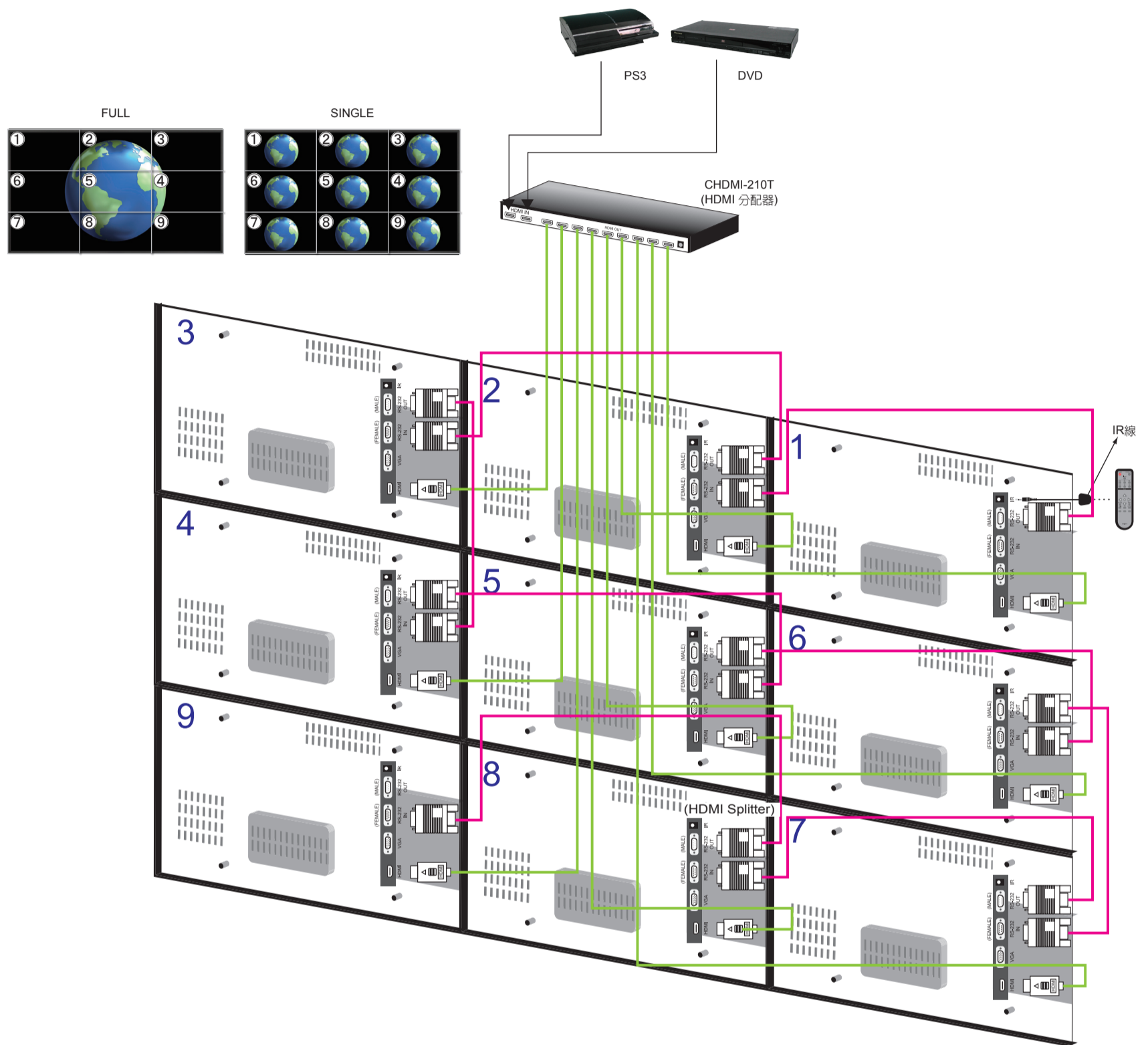
2 by 2 Video Wall installation:



LCD Panel rear side installation instruction

1. Connect the source to the HDMI splitter (CHDMI-4M) input port and the HDMI splitter output ports connected to each monitor's HDMI input port (no need to follow the panel connection sequences).
2. The IR receiver cable need to connect to the first Monitor's IR receiver port (from the rear side, the right top side is the first Monitor). If the user connected to the wrong Monitor, the IR will work abnormal.
3. For 2 by 2 Vide Wall, the package will included 3 sets of RS-232 control cable (DCE to DTE RS-232 control cable), the cables connection sequence as below:
 First RS-232 cable: Connect the DCE of RS-232 to first set of Monitor's RS-232 output port (DTE connector), and connect the DTE of RS-232 to the second set of Monitor's RS-232 input port (DCE connector).
 Second RS-232 cable: Connect the DCE of RS-232 to second set of Monitor's RS-232 output port (DTE connector), and connect the DTE of RS-232 to the third set of Monitor's RS-232 input port (DCE connector).
 Third RS-232 cable: Connect the DCE of RS-232 to third set of Monitor's RS-232 output port (DTE connector), and connect the DTE of RS-232 to the forth set of Monitor's RS-232 input port (DCE connector).
Note: 3 by 3, 4 by 4 and 5 by 5 vice versa.

3 by 3 Video Wall installation:



Different combination will have different sets of accessory

| Video wall Accessory | 2x2 | 3x3 | 4x4 | 5x5 |
|---------------------------|-----|-----|-----|-----|
| Monitor | 4 | 9 | 16 | 25 |
| Power Cord | 4 | 9 | 16 | 25 |
| RS-232 cable (DTE to DCE) | 3 | 8 | 15 | 24 |
| IR cable | 1 | 1 | 1 | 1 |
| Remote Control | 1 | 1 | 1 | 1 |
| CHDMI-4M | 1 | x | x | x |
| CHDMI-210T | x | 1 | x | x |
| CLUX-16E | x | x | 1 | 2 |

6. System Operation

After the system installation is completed, the user can select the desired display combinations with the remote control. For additional information on how to use the remote control please refer to section 9.

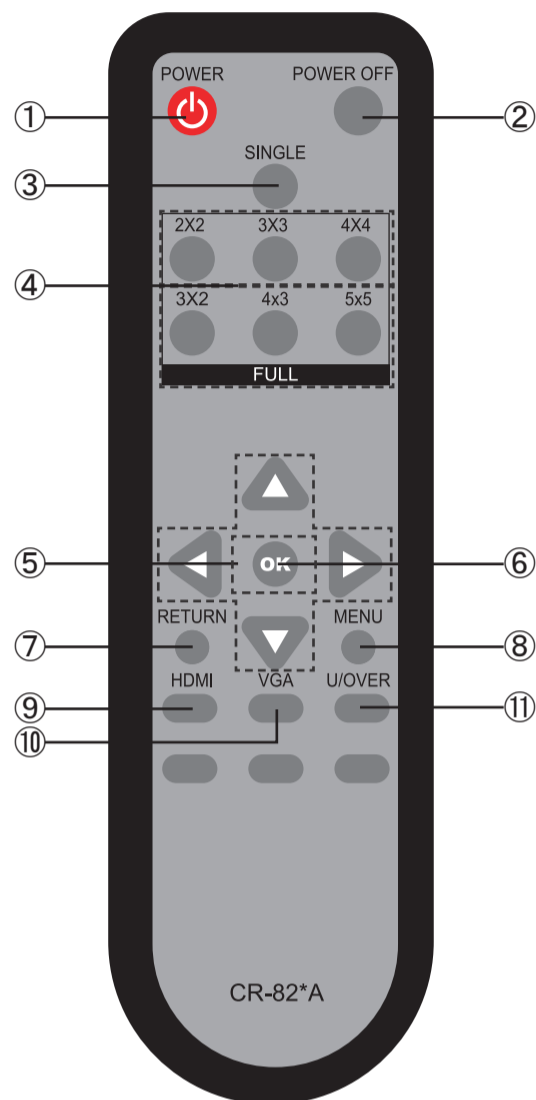
7. RS-232 Commands

| CVW-42AU1 | | PC Control Interface | |
|-----------|------------|----------------------|------------|
| PIN | Assignment | PIN | Assignment |
| 1 | NC | 1 | NC |
| 2 | TxD | 2 | RxD |
| 3 | RxD | 3 | TxD |
| 4 | NC | 4 | NC |
| 5 | GND | 5 | GND |
| 6 | NC | 6 | NC |
| 7 | NC | 7 | NC |
| 8 | NC | 8 | NC |
| 9 | NC | 9 | NC |

RS-232 Protocol:
 Baud Rate: 19200bps
 Data bit: 8 bits
 Parity: None
 Stop Bit: 1 bit
 Flow Control: None

| COMMAND | ACTION |
|---|------------------------|
| 0x23 0x53 0x30 0x30 0x30 0x23 | POWER OFF |
| 0x23 0x53 0x30 0x30 0x31 0x23 | POWER ON |
| 0x23 0x43 0x30 0x30 0x30 0x23 | UNDER SCAN |
| 0x23 0x43 0x30 0x30 0x31 0x23 | OVER SCAN |
| 0xEF 0x06 0xD2 0xC0 0x20 0x00 0x04 0xEE | No Scanning |
| 0xEF 0x06 0xD3 0xC0 0x20 0x01 0x04 0xEE | Display Scan 1/4 Part |
| 0xEF 0x06 0xD8 0xC0 0x20 0x01 0x09 0xEE | Display Scan 1/9 Part |
| 0xEF 0x06 0xDF 0xC0 0x20 0x01 0x10 0xEE | Display Scan 1/16 Part |
| 0xEF 0x05 0xD7 0xC0 0x22 0x07 0xEE | HDMI |
| 0xEF 0x05 0xD0 0xC0 0x22 0x00 0xEE | PC |

8. Remote Control



- ① POWER: Turn the system on.
- ② POWER OFF: Turn the system off.
- ③ Single: Press to display independent images
- ④ FULL: This option allows one input source to be shown on all four displays.
- ⑤ REPEAT: This option allows one input source to be repeated four times on a 2x2 video wall.
Note: 3x3 and 4x4 video walls have additional combinations.
- ⑥ ▲ / ▼ / ◀ / ▶: After entering the menu press up/down/left/right to setup each LCD panel.
- ⑦ OK: Enter into factory mode.
- ⑧ RETURN: Press to go back to the previous setting.
- ⑨ MENU: Press to enter each LCD TV menu.
- ⑩ HDMI: Press to select HDMI input.
- ⑪ VGA: Press to select VGA input.
- ⑫ U/OVER: Press to select OVER SCAN or UNDER SCAN the image.
Note: Item 3, 4 and 11 only functional when HDMI input.

