



# TWV4

## LED Video Controller

- Support USB Player
- Support Audio Sync Output
- Seamlessly Switch Any Channel
- Signal Detection Function
- Maximum Output Resolution: 1920\*1080@60Hz, 1920\*1280@60Hz
- 5-Channel Digital-Analog Video Input: 1 HDMI, 1 DVI, 1 VGA, 1 AV, 1 USB, (Optional: 1 WIFI, 1 SDI)
- 4\*RJ45 Gigabit Ethernet Ports
- 1-Channel Digital Video Output: 1 DVI
- Quick Knob Adjustment Settings
- One Key Black Or Freeze
- 10 Mode Saved And Recalled



- **Multiple Video Input** -- TWV4 series uses 5 channels of video input, including 1 composite video AV (CVBS), 1 channel VGA, 1 channel DVI, 1 channel HDMI, 1 channel USB. Basically, the needs for civil and industrial use have been covered. Seamless switching of all video input.
- **Video Output Interface** -- TWV4 series has 1 DVI video output, the port can videos programmed output to LED sending card or display. and has 4 RJ45 network port. The network port is the built-in the Sending Card (TWT·MSD600 or Linsn·TS902 or Huidu·T902) output port.
- **Seamless Switching Of Any Channel** -- TWV4 series Video Controller can also seamlessly switch between any channels, switch quickly.
- **Output Resolution** -- TWV4 series has designed a number of practical output resolutions for users. The widest is 1920 points, the highest is 1280 points. Applicable to a variety of dot matrix displays. Up to 10 output resolutions are available for user selection and can be adjusted point-to-point output.
- **Support Audio Sync Output** -- TWV4 series has 1 channel audio output, audio and video synchronized output.
- **One Key Black Or Freeze** -- TWV4 series has BLACK features, after setting, press the BLACK button directly to achieve black screen or screen freeze.
- **Key Lock Function** -- TWV4 series has key lock function,open Keypad lock , during use,can effectively prevent misuse and other situations,provides a favorable guarantee for the use of the process.
- **Mode Saved And Recalled** -- TWV4 series adopts 10 sets of user presets. Each set of user presets can store all user setting parameters, and can realize parameter backup and on-site calling functions (required to enter system menu enable).

- **Unique Brightness Adjustment Technology** -- TWV4 series has a built-in unique brightness adjustment function, which solves the problem of loss of layering after reducing the brightness, making the color reproduction more realistic.
- **Real-time Storage Technology** -- The ready-to-use technology solves the user's cumbersome setup and manual storage process, that is, the user does not need to perform manual save operation after adjusting or adjusting parameters. TWV4 series automatically stores the user parameters in the EEPROM, even after the power is turned off, The previous parameters remain in the device.
- **ACC ACM Image Filtering** -- TWV4 series uses ACC and ACM image filtering engines. When processing each color, the nonlinear filtering effect minimizes image loss and restores color realism.

## FullcolorLCD Screen

Intuitive LCD Operation Interface, Menu Settings Can Be Adjusted, By Buttons And Knobs

## Menu Operation

OK: Confirmation Button  
ESC: Return Operation Key  
Knob: Adjust Menu Parameters

## Input Signal Source

Selects The Corresponding Input Signal Source: 1 AV, 1VGA, 1 DVI, 1HDMI, 1USB, 1 SDI/1 WiFi (Expand); Can Seamlessly, Switch Between Corresponding Sources

## Function

Part/ Full : Partial Or Full Screen  
Switching Of Display Mode : 10 Sets Of Preset Are Saved And Recalled  
OUT : Set The Corresponding Display Parameters Black : Black Screen Or Picture Freeze

## Power Switch USB Port

USB-B : Connection Sending Card Control USB-A: USB Player



## Power Interface Power Fuse

## Input Signal Source Interface

Each input signal interface corresponds to the input signal of the corresponding device, plug and play, DVI & HDMI is not recommended for hot swap;

## Signal Source Output

Image data and image effects for user output real-time operation and switching;  
**Audio:** Audio output

## Sending Card Installation

Support Sending Card Installations;  
Built\_in LED Sending Card According To Your Requires!

## Control Port

Computer RS232 And USB Control With Video Controller

**Video Input**

|                        |  |
|------------------------|--|
| Quantity / Signal Type | 1 Composite Video: PAL, NTSC, PAL-M/N, SECAM           |
|                        | 1 VGA Input: VESA Standard, MAX 1920x1080@60Hz         |
|                        | 1 DVI Input: VESA Standard, MAX 1920x1080@60Hz         |
|                        | 1 HDMI Input: 480i/p, 576i/p, 720p, 1080i/p,           |
|                        | Color Depth 8, 10, 12 Bit                              |
|                        | 1 USB: Support Picture & Video Player                  |
|                        | 1 WIFI (Optional): Standard 802.11n                    |
|                        | 1 SDI (Optional): 1080p 60/50/30/25/24/25(PsF)/24(PsF) |
|                        | 720p 60/50/25/24, 1080i/1035i, 625/525 line            |

|           |   |
|-----------|---|
| Connector | 1 BNC Socket: Composite Video Input         |
|           | 1 15-pin HD Socket: RGB Input               |
|           | 1 DVI-I Socket: DVI Input                   |
|           | 1 HDMI Socket: HDMI Input                   |
|           | 2 BNC Sockets (Optional): Composite Video   |
|           | Input 1 USB Socket: USB input               |
|           | 1 USB-B socket: Sending Card Parameter Sets |

|                  |  |
|------------------|--|
| Resolution Range | 640x480~1920x1080 480i/p, 576i/p, 720p,<br>1080i/p Point-to-point SamplingBlanking |
|------------------|--|

**Video Processing**

|                              |  |
|------------------------------|--|
| Analog Sampling              | 12 Bit Per Color; 13.5 MHz Standard (Video)      |
|                              | 170 MHz Standard (RGB)                           |
| Digital Pixel Data Bit Depth | 8, 10 or 12 Bit Per Channel; 3GHz Standard (SDI) |

**Video Output**

|                        |  |
|------------------------|--|
| Quantity / Signal Type | 1 DVI: VESA                            |
| Connector              | 1 DVI-I(24+5): 1DVI Programming Output |

|   |                |
|---|----------------|
| Resolution After Image<br>Resolution Conversion | 1024×768@60Hz  |
|   | 1280×720@60Hz  |
|   | 1280×1024@60Hz |
|   | 1600×1200@60Hz |
|   | 1920×1080@60Hz |
|   | 1920×1200@60Hz |
|   | 1920x1280@60Hz |

**Network Port Output**

|                      |          |   |
|----------------------|----------|---|
| Signal Type/Quantity | 4 x RJ45 | Gigabit Ethernet ports                      |
|                      |          | Capacity per port up to 650,000 pixels      |
|                      |          | Redundancy between Ethernet ports supported |

**General Specifications**

|                         |  |
|-------------------------|--|
| Power Supply            | Internal 100~<br>240VAC, 50~60Hz   |
| Temperature/Temperature | <b>Storage:</b> T: -40 ~ +70 °C /<br>H: 10% ~ 90%, Non-condensing<br><b>Working:</b> T: 0 ~ +50 °C /<br>H: 10% ~ 90%, Non-condensing |
| Machine Size            | 485mm (Length) x 320 mm (Width) x 69mm (Height)  |
| Packing Size            | 515mm (Length) x 375 mm (Width) x 100mm (Height)   |
| Product Weight          | 4.0kg  |
| Package Weight          | 5.0kg  |
| MTBF                    | 30,000 Hour  |
| Warranty                | 1 Year<br><b>Note:</b> All rated voltages are on average $\pm 10\%$  |

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ADDRESS : 71 BUKIT BATOK CRESCENT #09-04 PRESTIGE CENTRE SINGAPORE 658071  
TEL : +65 9798 4332

