



# Indoor Full Color LED Video Wall

## TV-PH297-YM



### Description:

The rental LED video wall business is one of the service industries that have developed vigorously in recent years. The LED video wall is widely used in the stage or background of important events such as TV studios, large-scale performance activities, opening ceremonies of important events, sports competitions, and corporate celebrations. The texts, pictures and videos played on the LED video wall together create a colorful atmosphere, which greatly improves the level of the activity.

### Feature:

- \*Lightweight, ultra-thin and with fast installation design. The installation and dis-assembly of the screen can be completed in a short time.
- \*Support the arbitrary direction of the signal line, and meet the different arrangement and placement of cabinets, to create pictures with different effects.
- \*Equipped with a professional video processor, supporting AV, DP, VGA, DVI, YPBPR, HDMI, SDI and other signals.
- \*Support 256-level brightness adjustment and white balance custom adjustment, so that different batches of screens can be mixed to use.
- \*Signal processing: RTF series products adopt signal folding technology, unit modules do not need to be cascaded, which greatly improves the display performance of the product.
- \*Modules: adopt large modules, with only 4 modules per cabinet, which reduces internal connections and improves product stability. Without opening the cabinet, the module can be directly disassembled from the rear of the cabinet.
- \*Back cover: remove 4 screws, take off the back cover, you can maintain and replace the power supply and receiving card.
- \*Heat sink: the aluminum bottom plate is used to replace the traditional plastic bottom shell, which improves the heat dissipation performance of the product while ensuring the flatness.
- \*IC and driver: high refresh rate and high gray scale of 16384 level. The product uses a high-end constant current driver chip with built-in PWM. In the case of a single receiving card loaded, the display refresh frequency can be 960Hz to 4800Hz and gray level can up to 16bit. The picture is stable, which can easily meet the requirements of high-end applications such as stage performances and broadcasting. The DC power cable adopts American standard cable, and the power input adopts a surface mount socket. The power cable is not easy to loosen, the line loss is minimal during power transmission, and the input voltage is stable.
- \*The new structure design meets the requirements of hoisting and stacking installation, as well as indoor and outdoor requirements. The cabinet design is suitable for multiple pitches of Led screen.
- \*High grayscale and high refresh rate: gray scale 14 bit, refresh frequency>960Hz;
- \*Excellent heat dissipation design and heat dissipation performance, no need for external fans, air conditioners, low noise; light weight of the cabinet, low installation cost; low power consumption of the cabinet, saving operating costs.
- \*Equipped with various specifications of the flight cases, which is convenient for storage and transportation of the cabinets, and has a good protective effect on the LED video wall.
- \*Customize the most appropriate LED video wall leasing solutions according to customer requirements and site environment.

### Specifications:

Model	F2.976
LED encapsulation	SMD2121
Pixel pitch	2.976mm
Resolution	112896 pixels/m <sup>2</sup>
Lamp bead/IC	NATIONSTAR Copper Wire / High Refresh
Pixel composition	1R1G1B
Module resolution	84*84
Module dimension(mm)	250*250
Cabinet resolution	168*168
Cabinet dimension (mm)	500*500
Cabinet weight	9Kg/pc
Operating voltage	DC +4.2V~+5V
Best view distance	≥9m
Horizontal view angle	≥160°
Vertical View angle	≥160°
Maintenance method	Rear maintenance
Graphics card	DVI / HDMI / DP
Video signal	Compatible with PAL / NTSC / SECAM standard, support S-Video; VGA; RGB; Composite Video; SDI; DVI; RF; RGBHV; YUV; YC
Control method	Synchronous control
Drive device	Constant current
Refresh rate	≥3840Hz
Frame rate	≥60Hz
Scanning method	21S
Brightness	200-800CD/m <sup>2</sup>
Grayscale	12/14/16 bit
Contrast	≥10000:1
Attenuation rate (after 3-year work)	≤15%
Brightness adjustment method	Automatic / manual: 1-100%
Computer operating system	WIN98 / 2000 / WIN XP / WIN Vista / WIN7
MTBF	≥10000H
Lifespan	≥100000H
Failed rate	≤1/10000 and no continuous failed pixels
Software	Professional LED video wall programming software
Cabinet specification	Die-casting aluminum cabinet
Brightness uniformity	≥98%
Protection class	IP5X
Operating voltage(AC)	220V±10% / 50Hz or 110V±10% / 60Hz
Average power consumption	≤193W/m <sup>2</sup>
Maximum power consumption	≤580W/m <sup>2</sup>
Storage temperature	-35℃~+85℃
Operating temperature	-10℃~+40℃