# Indoor Full Color LED Video Wall

## TV-PH297-YX



## 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

*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, create pictures with different effects.
*With arc lock -6°, -3°, 0°, +3°, +6° arc shape.
*Support 256-level brightness adjustment and white balance custom adjustment.
*Adopt signal folding technology, unit modules do not need to be cascaded, which greatly improves the display performance of the product.
*Adopt large modules, with only 4 modules per cabinet, which reduces internal connections and improves product stability.
*The back cover adopts a U-shaped push-lock design, and the power supply and receiving card can be maintained and replaced without dismantling any components.
*High-end constant current drive chip with built-in PWM can realize high refresh rate, high grayscale high refresh rate, high grayscale 65536 grayscale products. The picture is stable, which can easily meet the requirements of high-end applications such as stage performances and broadcasting.
*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.
*The new structural design meets the requirements of hoisting and stacking. The cabinet is simplified and compatible with various pitches.
*High grayscale and high refresh rate: gray scale 14 bit, refresh frequency>3840Hz;
*Optimize heat dissipation design through PCB circuit,don't need external fans, air conditioners, etc., 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.

## Specification

| Model specification | |
|---|---|
| LED encapsulation | SMD2121 black light |
| Pixel pitch | 2.976mm |
| Resolution | 112896pixels/m² |
| Lamp bead/IC | National star copper wire / high brush |
| 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 |
| Main specification | |
| Best view distance | ≥9m |
| Horizontal view angle | ≥175° |
| Vertical view angle | ≥175° |
| Maintenance method | Rear/back maintenance |
| Control method | Synchronous control |
| Drive device | Constant current |
| Refresh rate | ≥3840Hz |
| Frame rate | ≥60Hz |
| Scanning method | 14S |
| Brightness | 200-800CD/m² |
| Grayscale | 14bit |
| Contrast | ≥10000:1 |
| Attenuation rate (after 3-year work) | ≤15% |
| Brightness adjustment method | Automatic / manual: 1-100% |
| MTBF | ≥20000H |
| Lifespan | ≥100000H |
| Failed rate | ≤1/10000 and no continuous failed pixels |
| Software | Professional LED video wall programming software |
| Storage temperature | -35℃~+85℃ |
| Operating temperature | - 20℃~+40℃ |
| Operating voltage(AC) | 90V-270V(50Hz/60Hz) |
| Average power consumption | ≤193W/m² |
| Maximum power consumption | ≤580W/m² |
| Cabinet specification | Die-casting aluminum cabinet |
| Brightness uniformity | ≥98% |
| IP level | IP5X |