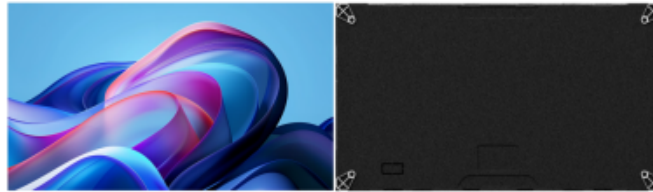




Indoor Full Color LED Video Wall

COB1.56 (TV-COB156)



Description

It has the characteristics of seamless splicing, high contrast, high color gamut, ultra-high color consistency, high grayscale, fast frame change speed, natural color restoration, wide viewing angle, perfect display, long service life, shockproof, anti-collision, moisture-proof, front waterproof and dustproof. It is suitable for use in various harsh environments and has better high and low temperature/humidity storage and application performance.

Features

- *Can be used for real-time monitoring of on-site conditions and playback of various promotional advertisements.
- *Seamless splicing with no visual black seams.
- *Flexible and compact display units, suitable for flat and curved surfaces, allowing for smooth splicing.
- *DC low-voltage power supply, natural heat dissipation, fanless operation, zero noise.
- *Ultra-low out-of-box failure rate, extremely low maintenance and operating costs, and easy unit board replacement.
- *Supports image correction, employing gamma correction technology for point-by-point brightness and color correction.
- *Supports intelligent light control, intelligently adjusting brightness to improve viewing comfort and save energy.
- *Ultra-wide viewing angle, providing a wider viewing range and clear images from any angle.
- *High refresh rate, ensuring smooth and consistent image quality.
- *Delicate and realistic images, maintaining excellent grayscale even in low brightness conditions.
- *Supports ultra-high-definition display, employing unique image enhancement technology to effectively improve image clarity and deliver smooth, ghosting-free high-speed images.
- *The LED display module adopts a plastic-free base shell design. The die-cast aluminum cabinet is in direct contact with the PCB, and the direct contact between the PCB edges and the four sides of the die-cast cabinet improves thermal conductivity. Compared with products with plastic base shells, this better solves the problems of color drift and reduced lifespan caused by heat dissipation.
- *The LED display adopts a non-contact magnetic levitation front maintenance design, allowing for front-side disassembly of modules, adapter boards, and other low-voltage components. Multiple hot-swap tests ensure normal operation.
- *The LED display's color temperature is continuously adjustable from 1000K to 20000K, with multiple white level adjustments including cool, warm, and standard. At a color temperature of 8500K, the color temperature error for the four white level adjustments (100%, 75%, 50%, and 25%) is $\leq 100K$.
- *The LED display screen records the number of times it is turned on and off and its usage duration, with a data retention period of 100 days. It also supports monitoring of on-site temperature and humidity, displaying the data in real-time on the control software, allowing users to easily understand the on-site screen and ambient temperature and humidity data.
- *The LED display screen has a FLASH intelligent storage circuit that can store module calibration data. Replacing a module automatically retrieves the calibration data, with a storage capacity of $\geq 1MB$.
- *The LED display screen features a low blue light mode, with three adjustable blue light output levels (30%, 40%, and 70%) selectable in the control software, effectively reducing the harmful effects of blue light radiation on the eyes.



Indoor Full Color LED Video Wall

COB1.56 (TV-COB156)

Specification

Resolution	409600 pixels /m ²
Lamp beads/IC	COB full flip chip common positive/professional high refresh rate IC
Light point color combination	1R1G1B
Unit board resolution	96*108
Unit board dimension (mm)	150*168.75
Cabinet resolution	384*216
Box dimension (mm)	600*337.5*33
Box weight	≤4.3Kg/pc
Operating voltage	DC+2.8~+3.8V
Physical point spacing	1.5625mm
Optimal viewing distance	≥4.8m
Horizontal viewing angle	≥178°
Vertical viewing angle	≥178°
Maintenance method	Front maintenance
Control method	Synchronous control
Drive devices	Constant current drive
Refresh rate	≥3840Hz
Frame rate	≥60Hz
Scanning method	54S
Brightness	200-800CD/m ² (adjustable)
Grayscale	12/14/16 bit
Contrast	≥100000:1
Decay rate (three years of operation)	≤15%
Brightness adjustment method	0-100% adjustment through supporting software; supports automatic/manual, supports setting brightness timing adjustment
Mean time between failures	≥20000H
Service life	≥100000H
Noise rate	≤1/100000 and no continuous out-of-control points
Ambient temperature	storage temperature: -35 C to +85 C
Operating temperature	-20°C to +60°C
Operating voltage (AC)	90V ~ 270V(50Hz/60Hz)
Average power consumption	≤104W/m ² at 600cd/m ²
Maximum power consumption	≤300W/m ² at 600cd/m ²
Box specifications	Die-cast aluminum housing
Color uniformity	≥99%
Protection level	IP65 Front