



## Description

It features seamless splicing, high contrast, high color gamut, ultra-high color consistency, high grayscale, fast frame changing speed, natural color reproduction, wide viewing angle, perfect display, long service lifespan and other characteristics. It is shockproof, [crashproof](#), moisture-proof, front waterproof, dust-proof, and is suitable for use in various harsh environments, with better high and low temperature/humidity storage and application performance.

## Feature

- \*The LED display screen adopts CNC one-piece die-cast aluminum cabinet.
- \*The LED display screen module adopts a plastic bottom shell kit design. The die-cast aluminum cabinet is in direct contact with the PCB. The edge of the PCB directly contacts the four sides of the die-cast box to improve the thermal conductivity. Compared with the product with a plastic bottom shell kit, it can better solve the color drift and ensure that the screen body is accelerated due to thermal conductivity. The aging and reduced service life of the screen are reduced. The product surface temperature rises by  $\leq 5^{\circ}\text{C}$  after lighting for 5 minutes under normal video playback, and the temperature rise is  $\leq 10^{\circ}\text{C}$  after lighting for 10 minutes.
- \*The LED display screen adopts a non-contact magnetic suspension front maintenance design. The low-voltage devices such as modules, receiving cards, and power supplies can be disassembled from the front and can work normally after multiple hot plug tests.
- \*The LED display screen switching power supply has PFC function, power factor 0.95, power efficiency  $\geq 91\%$  @  $25^{\circ}\text{C}$ , and has over-current, short-circuit, over-voltage, and under-voltage protection functions.
- \*The refresh rate setting option can be adjusted through the supporting control software.
- \*The color temperature of the LED display screen is continuously adjustable from 100K to 20000K. It can be set to cold, warm, standard and other white field adjustments. When the color temperature is 8500K, the color temperature error of the four-level white field adjustment of 100%, 75%, 50%, and 25% is  $\leq 100\text{K}$ .
- \*In order to effectively improve the stability of signal transmission and DC power supply, the connector of the LED display screen uses a gold-plating process with a gold-plating thickness of  $\geq 50\mu\text{m}$ .
- \*The LED display screen has a record of the number of screen power on and off and the length of use, as well as monitoring feedback of the temperature and humidity on site, and forms a data storage cycle of 100 days. The data can be extracted on the control software side to ensure that users understand the on-site screen and the use environment in real time.
- \*The LED display screen has a FLASH intelligent storage circuit that can store module calibration data. The calibration data can be automatically read back when the module is replaced. The storage capacity is  $\geq 1\text{MB}$ .



# Indoor Full Color LED Video Wall

## TV-COB156-Y

- \*The LED display screen meets the EMCCLASSB anti-interference capability and requires stable operation without interference from external radio frequency electromagnetic fields.
- \*The LED display screen has a low blue light mode. You can choose 30%, 40%, and 70% in the control software to adjust the blue light output of the display screen, effectively reducing the damage of blue light radiation to the eyes.
- \*High protection: shockproof, collision-proof, moisture-proof, front waterproof, and dustproof.
- \*High adaptability: suitable for use in various harsh environments, with better high and low temperature/humidity storage and application performance.
- \*High reliability: extremely low bad pixel rate during long-term use. Even if individual bad pixels occur, the module can be directly replaced and returned to the factory for repair, eliminating the trouble of users having to constantly repair the lights during long-term use.
- \*It can be used to monitor and display the on-site situation in real time and play various promotional advertisements.
- \*The product is seamlessly spliced, and there is no visual black seam when splicing.
- \*The display unit is flexible and compact, flat, curved, and smoothly spliced.
- \*DC low-voltage power supply, natural heat dissipation, no fan, and zero noise at work.
- \*Ultra-low out-of-box failure rate, extremely low maintenance and use costs, and the unit board is very easy to replace.
- \*Supports picture correction, using gamma correction technology to achieve point-by-point brightness and color correction.
- \*Supports intelligent light control, can intelligently adjust the brightness, improve the comfort of the picture, and save energy.
- \*Ultra-wide viewing angle display, the display has a larger visual range, and the picture is still clear at any angle.
- \*With ultra-high refresh rate, good picture continuity, and high picture smoothness.
- \*The picture is delicate and realistic, and the grayscale is still excellent under low brightness.
- \*Supports ultra-high-definition display, adopts unique picture quality enhancement technology, effectively improves image clarity, and high-speed picture is smooth without ghosting.

## Specification

<b>Model</b>	COB1.56
<b>Pixel pitch</b>	1.5625mm
<b>Resolution</b>	409,600 pixels/m <sup>2</sup>
<b>Lamp bead/IC</b>	COB Full inverted common cathode /professional high refresh IC
<b>Pixel composition</b>	1R1G1B
<b>Module resolution</b>	96*108
<b>Module dimension(mm)</b>	150*168.75
<b>Cabinet resolution</b>	384*216
<b>Cabinet dimension(mm)</b>	600*337.5
<b>Cabinet weight</b>	≤4kg/pc
<b>Operating voltage</b>	DC +3.8V
<b>Best viewing distance</b>	≥4.8m
<b>Horizontal view angle</b>	≥178°
<b>Vertical view angle</b>	≥178°
<b>Maintenance method</b>	Front maintenance
<b>Graphics card</b>	DVI/HDMI/DP
<b>Video signal</b>	Compatible with PAL/NTSC/SECAM format, support S-Video; VGA; RGB; Composite Video; SDI; DVI; RF; RGBHV; YUV; YC, etc.
<b>Control mode</b>	Synchronous control
<b>Drive device</b>	Constant current drive
<b>Refresh rate</b>	≥3840Hz
<b>Frame rate</b>	≥60Hz
<b>Scanning method</b>	54S
<b>Brightness</b>	200-1200CD/m <sup>2</sup> (adjustable)
<b>Grayscale</b>	12/14/16bit
<b>Contrast</b>	≥100000:1
<b>Attenuation rate (after 3-year work)</b>	≤15%
<b>Brightness adjustment method</b>	0-100% adjustment through supporting software; supports automatic/manual, supports setting brightness timing adjustment
<b>Computer operating system</b>	WIN98/2000/WIN XP/WIN Vista/WIN7
<b>MTBF</b>	≥20000H
<b>Lifespan</b>	≥150000H
<b>Failed rate</b>	≤1/1000000 and no continuous failed rate



# Indoor Full Color LED Video Wall

## TV-COB156-Y

<b>Software</b>	Professional LED video wall system programming software
<b>Working humidity</b>	10%RH to 90%RH
<b>Operating temperature</b>	-20°C ~ +60°C
<b>Operating voltage(AC)</b>	90V ~ 270V(50Hz/60Hz)
<b>Average power consumption</b>	$\leq 230\text{W}/\text{m}^2$ (When the brightness is $600\text{CD}/\text{m}^2 \leq 104\text{W}/\text{m}^2$ )
<b>Maximum power consumption</b>	$\leq 700\text{W}/\text{m}^2$ (When the brightness is $600\text{CD}/\text{m}^2 \leq 310\text{W}/\text{m}^2$ )
<b>Cabinet specification</b>	Die-cast aluminum cabinet
<b>Brightness uniformity</b>	$\geq 99\%$
<b>Protection class</b>	Front IP65