# Outdoor Full Color LED Video Wall

## TV-OM667-BX



## Description

Outdoor LED video walls are widely used in finance, taxation, industry and commerce, post and telecommunications, sports, advertising, factories and mines, transportation, education systems, stations, docks, airports, shopping malls, hospitals, hotels, banks, securities markets, construction markets, auction houses, industrial enterprise management, and other public places. They support media display, information dissemination, traffic guidance, and creative display applications.

## Features

*The LED display screen supports rapid content switching and real-time updates, providing efficient dynamic information dissemination capabilities.

*The main light-emitting component is LED chips, which are mercury-free and environmentally friendly.

*It features energy-saving and environmentally friendly characteristics, supports all-weather operation, and can adapt to various harsh outdoor environments, possessing anti-corrosion, waterproof, moisture-proof, lightning-proof, and shockproof features.

*It has high photoelectric conversion efficiency, achieving efficient light output with low power consumption. Operating voltage is 2-4.2V, and operating current is 0.02-0.03A.

*It features seamless splicing and a high refresh rate, resulting in a delicate image display.

*It records the number of times the LED display screen is turned on and off and the usage time, with a data retention period of 100 days. It also supports monitoring of on-site temperature and humidity, displaying data in real-time on the control software, allowing users to easily understand the on-site screen and environmental temperature and humidity data.

*The LED display color uniformity is within ±0.001Cx,Cy.

*The LED display screen's color temperature is continuously adjustable from 100K to 20000K, with multiple white level adjustments including cool, warm, and standard. At a color temperature of 8500K, the color temperature error for four white level adjustments (100%, 75%, 50%, and 25%) is ≤100K.

*The LED display screen's PCB uses surface immersion gold treatment, with a board thickness ≥1.2mm, copper thickness ≥1 ounce, and TG ≥150℃.

*To ensure effective signal transmission and DC power supply stability, the gold plating thickness of the LED display screen is ≥50μm.

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## Specification

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|---|---|
| **Module specifications** | |
| **LED Packaging Form** | SMD2727 |
| **Physical Pitch** | 6.67mm |
| **Resolution** | 22500 pixels /m² |
| **LED Chip/IC** | High-quality domestic copper wire/High Refresh Rate |
| **Light Emitting Point Color Combination** | 1R1G1B |
| **Module Resolution** | 48×24 |
| **Module Dimensions (W×H) (mm)** | 320×160 |
| **Cabinet Resolution** | 144×144 |
| **Cabinet Dimensions (W×H) (mm)** | 960×960 |
| **Cabinet Weight** | ≤45Kg/m² |
| **Operating Voltage** | DC+3.8V~+5V |
| **Main specifications** | |
| **Optimal Viewing Distance** | ≥20m |
| **Horizontal Viewing Angle** | ≥170° |
| **Vertical Viewing Angle** | ≥170° |
| **Maintenance Method** | Rear maintenance |
| **Graphics Card** | DVI/HDMI/DP |
| **Video Signal** | Compatible with PAL/NTSC/SECAM standards, supports S-Video; VGA; RGB; CompoSiteVideo; SDI; DVI; RF; RGBHV; YUV; YC, etc. |
| **Control Method** | Synchronous control |
| **Drive Device** | Constant current |
| **Refresh Rate** | ≥4200Hz |
| **Frame Rate** | ≥60Hz |
| **Scanning Method** | 6S |
| **Brightness** | ≥4000cd/m² (adjustable) |
| **Grayscale/Color** | 281 trillion |
| **Contrast Ratio** | ≥10000 : 1 |
| **Degradation Rate (3 Years of Operation)** | ≤15% |
| **Brightness Adjustment Method** | Software 0 to 255 stepless adjustment |
| **Computer Operating System** | WIN98/2000/WINXP/WINViSta/WIN7 |
| **Mean Time Between Failures (MTBF)** | ≥20000H |
| **Lifespan** | ≥100000H |
| **Noise Ratio** | ≤1/100000 and no continuous loss of control points |
| **Software** | Professional LED display system program compilation software |
| **Ambient Temperature** | Storage temperature: -35℃~+85℃, operating temperature: -20℃~+50℃ |
| **Ambient Humidity** | 10%~80% non-condensing |
| **Operating Voltage (AC)** | 220V±10%/50Hz or 110V±10%/60Hz |
| **Average Power Consumption** | ≤270W/m² |
| **Peak Power Consumption** | ≤900W/m² |
| **Installation Enclosure Specifications** | Standard sheet metal enclosure |
| **Color Uniformity** | ≥99% |
| **Protection Rating** | Front IP65/ Rear IP54 |