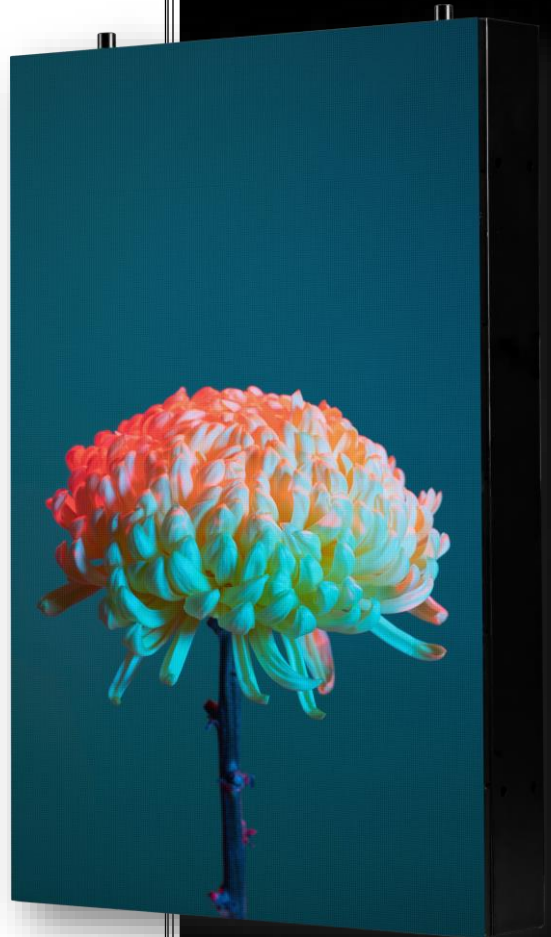




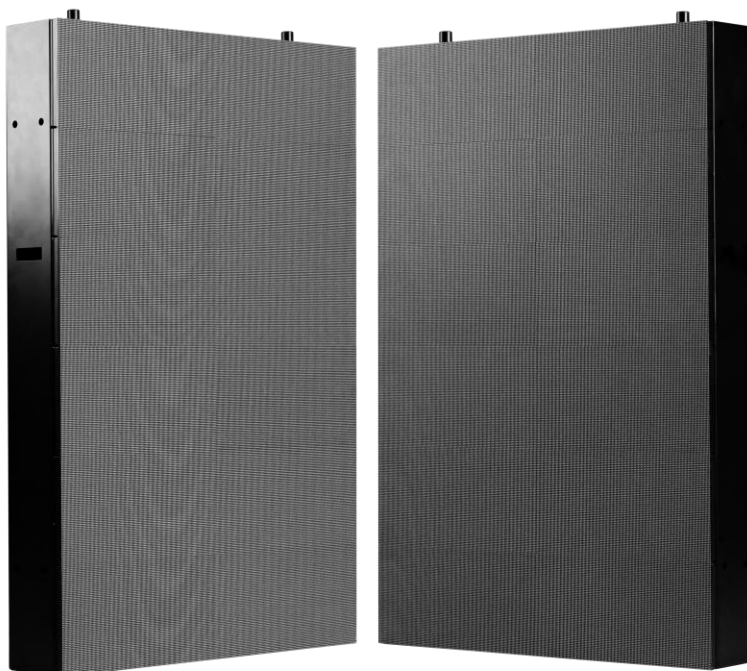
LED SCREEN

P3.076 OUTDOOR



1. FEATURES

- Eliminate color aberration and significantly improve display quality. Supports brightness and chroma calibration for each point.
- The brightness and chroma of each light point are calibrated to effectively remove color aberration, ensuring high brightness and chroma uniformity across the entire screen and enhancing display image quality.
- Seamless image connection, no black screen.
- Supports pre-stored image settings of the receiving card, allowing a designated image to be set as the display's boot-up image, or displayed when the network cable is disconnected or no signal is detected, ensuring no black screen and seamless images.
- Supports 3D functionality, with independent main control and 3D glasses that support 3D functions, providing a vivid cinema-level 3D shock effect.
- Supports mapping function, which identifies the location and routing of the receiving card, making the connection easy.
- Supports firmware program and configuration parameter rereading, allowing rereading and locally saving the firmware program and configuration parameters of the receiving card, avoiding complex operations and improving work efficiency.



2. SPECIFICATION

| | |
|---|---|
| Model | TCO-P3.076-640-960 |
| LED Module Specifications | |
| LED Lamp Type | SMD 1515 |
| Pixel Pitch (mm) | 3.076 |
| Module Size (mm)(W x H) | 320 x 160 |
| Module Resolution (pixels)(W x H) | 104 x 52 |
| Scan Mode | 13 |
| Color Temperature | 3000-9500K |
| LED Cabinet Specifications | |
| Cabinet Size (mm)(W x H) | 640 x 960 |
| Cabinet Resolution (pixels)(W x H) | 208 x 312 |
| Pixel Density (pixels/m ²) | 105625 |
| Dust/Water Resistance | IP65 |
| Input Voltage | 100 ~ 240VAC |
| Input Frequency | 50-60 Hz |
| Max Power Consumption (W/m ²) | 600 |
| Average Power Consumption (W/m ²) | 210 |
| Viewing Angle (°) | Horizontal 160° / Vertical 160° |
| Brightness (nits) | > 5500 nits and ≤ 6000 nits (High brightness) |
| Gray Scale | 65536 levels per color |
| Contrast Ratio | 6000:1 |
| Bit Depth | 16 bits |
| Refresh Rate | 1920 - 3840 Hz |
| Frame Rate | 60 Hz |
| LED Lifespan (50% Brightness) | ≥ 100000 hours |
| Brightness Control Modes | Manual / Automatic / Programmable |
| Operating Temperature | -30°C to 60°C |
| Humidity | 10%-90% RH non-condensing |
| Maintenance Access | Front-Back |

2. SPECIFICATION

Video Processor Specifications

| | |
|---|---|
| Color Processing | Faroudja® Real Color®True for color processing, Faroudja® DCDi for de-interlacing, Faroudja® TrueLife™ for video enhancement |
| Dual-Screen Modes | Three custom modes with one-button switching, flexible PIP/PBP (Picture-in-Picture/Picture-by-Picture) display |
| Seamless Switching | Fade-in and fade-out transitions |
| Mode Switching | One-key switching and preselection with toggle |
| Control Methods | Panel buttons and PC software for flexible, convenient operation |
| Card Support | Supports one built-in sending card |
| 6 input signals and 2 outputs with multiple resolutions | 1024 × 768_60Hz / 75Hz, 1280 × 1024_60Hz / 75Hz, 1366 × 768_60Hz, 1440 × 900_60Hz, 1536 × 1536_60Hz, 1920 × 1080p_50Hz / 60Hz |
| Control Terminal | RS232 |
| Input Voltage | 100-240VAC 50 / 60Hz |
| Max Power Consumption | ≤25W |
| Ambient Temperature | 0-45°C |
| Ambient Humidity | 15-85% |

LED Cabinet Accessories Specifications

| | |
|-------------------------|--|
| Max Load per Card | 512 x 512 pixels; supports up to 24 parallel RGB data sets |
| Interface Type | Uses 12 standard HUB75 interfaces, ensuring high stability and reliability, suitable for various scenarios |
| Max Load | 512 x 512 pixels |
| Input Voltage | DC 3.3V ~ 5.0V |
| Rated Power Consumption | 2,5W |

2. SPECIFICATION

| | |
|------------------------------------|--|
| Operating Temperature | -20°C to +70°C |
| Storage Humidity | 10% RH to 90% RH non-condensing |
| Storage Environment Temperature | -25°C to +125°C |
| Sending Card Specifications | |
| Max Load per Device | 1920 × 1200 @ 60Hz, stackable via UART interface for unified control |
| Video Input Support | DVI and HDMI high-definition video input |
| Audio Support | One audio input |
| Network Output | Four-way network output ports |
| USB Control Interface | Stackable for unified control across multiple units |
| Max Supported Resolution Load | 2048 × 1152 or 1920 × 1200 |
| Input Resolution Options | 1920 × 1200 2048 × 1152 2560 × 960 |
| Supported Resolution | 2048 × 1152 1920 × 1200 2560 × 960 |
| Pixel Capacity | 2.3 million pixels |
| Control Method | USB Interface |
| Video Input Interfaces | HDMI / DVI |
| Audio Interface | HDMI / 3.5mm |
| Video Format | RGB, YCrCb4:2:2, YCrCb4:4:4 |
| Output Interface | 4 Ethernet ports |
| Power Consumption | 16W |
| Power Supply | 100-240V, 50 / 60Hz |
| Input Voltage | 200-240Vac, 47-63Hz |
| Protection Features | Low voltage, overload, short circuit |
| Max Output Power | 200W |
| Operating Temperature | -30°C to +60°C |

2. SPECIFICATION

Battery Specifications

| | |
|---------------------|--|
| Power Factor | 0,50@230Vac |
| Storage Temperature | -40°C to +100°C, 20-95% RH |
| Insulation Voltage | I/P-O/P: 3.0KVac |
| Safety Standards | GB4943, UL60950-1, EN60950-1 |
| Isolation Voltage | I/P-FG: 1.5KVac; O/P-FG: 0.5KVac, 1 minute |
| Cooling System | Passive (cold) |
| EMC Standards | GB9254, EN55022 |
| Protection Time | 50ms for protection, 20ms for overload |
| Leakage Current | 0.30mA@230Vac |

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