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-P3.076-640-800
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 800
Cabinet Resolution (pixels)(W x H)	208 x 260
Pixel Density (pixels/m²)	105625
Dust/Water Resistance	IP65
Input Voltage	100 ~ 240VAC
Input Frequency	50-60 Hz
Max Power Consumption (W/m²)	600
Average Power Consumption (W/m²)	210
Viewing Angle (°)	Horizontal 160° / Vertical 160°
Brightness	> 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)	≥ 100,000 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/PO/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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