

LED SCREEN P5.33 OUTDOOR



TWT Applied Technology and Services Pte Ltd

FEATURES

- Eliminates color aberration and significantly improves screen quality. Supports brightness and chromatic calibration of each pixel.
- The brightness and chromaticity of each light point are calibrated to effectively eliminate color aberrations, ensuring high uniformity in the brightness and chromaticity across the entire screen and enhancing the display image quality.
- Provides seamless image connection with no black screen. It supports the preset image settings of the receiving card, allowing a designated image to be set as the boot screen image.
- When the network cable is disconnected or there's no signal, it ensures that the display does not go black and maintains a seamless image.
- Supports 3D functionality with independent master control and 3D glasses compatibility, allowing for vivid, cinema-level 3D effects.
- Also supports mapping functions, which allow easy identification of the receiving card's position and routing, simplifying connections.
- Furthermore, it supports firmware programs and configuration parameter re-reading, enabling the re-reading and local storage of the receiving card's firmware programs and configuration parameters, avoiding complex operations and enhancing work efficiency.

DETAILS IMAGES





Model	TCO-P5.33-960-960	
LED Module Specifications		
Pixel Pitch (mm)	5.33	
Pixel Density (points/m²)	35.156	
LED Chip Type:	RGB SMD (1 Red, 1 Blue, 1 Green)	
LED Lamp Type	SMD 2727	
Module Resolution (pixels)(W x H)	60 x 30	
Module Size (mm)(W x H)	320 x 160	
Module Weight (kg)	1.58	
LED Cabinet Specifications		
Modules per Cabinet (H x W)	6 x 3	
Cabinet Resolution (pixels)(W x H)	180 x 180	
Cabinet Size (mm)(W x H)	960 x 960	
Cabinet Weight (kg)	30	
Screen Flatness (mm)	0.5	
Brightness (nits)	7800	
Contrast Ratio	≥ 6000:1	
Brightness Uniformity (after calibration)	97%	
Viewing Angle (°)	Horizontal 160° / Vertical 160°	
Bit Depth	16 bits	
Color Temperature	3000-9500K	
Frame Rate	60Hz	
LED Lifespan (hrs)	100,000	
Power Supply	100~240VAC	
Max Power Consumption (W/m²)	850	
Average Power Consumption (W/m²)	350	
Operating Humidity (% RH)	10%-90% non-condensing	

Operating Temperature	-30°C~60°C	
Maintenance Access	Front-Back	
Certifications	CE, FCC, ETL, EMC	
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-button 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	512x512 pixels; supports up to 24 parallel RGB data sets
Interface Type	Uses 12 standard HUB75 interfaces with 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
Operating Temperature	-20°C to +70°C
Storage Humidity	10% RH to 90% RH non-condensing
Storage Environment Temperature	-25°C to +125°C

Image Sending Card Specifications

Max Load per Device	1920 × 1200 @ 60Hz, stackable via UART interface for unified control
Support One Video Input	DVI and HDMI high-definition video input
Audio Support	One audio input
Output Support	Four-way network output ports
USB Control Interface Support	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	
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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