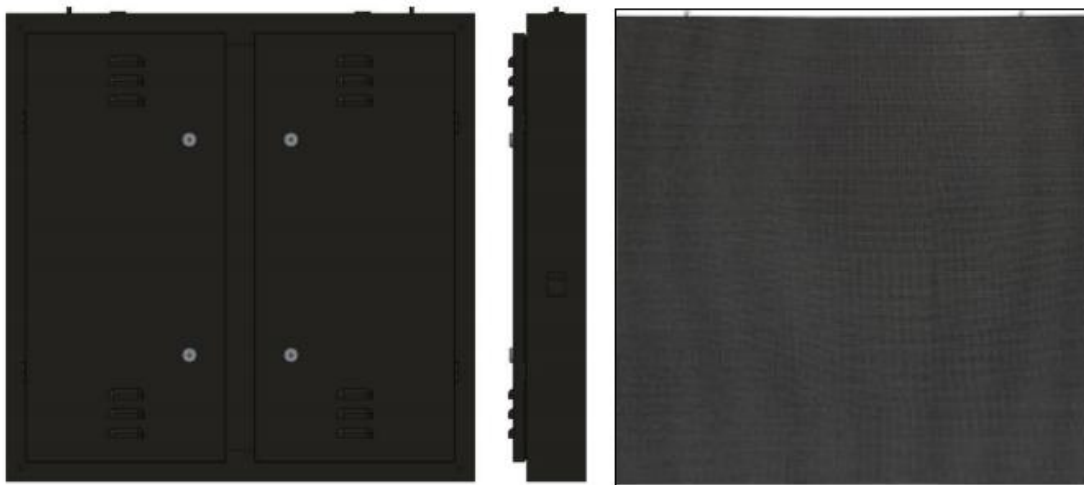


VOKON Outdoor OP Series Full-Color Display

VT-OP2.5/VT-OP3/VT-OP4/VT-OP5



Product Overview

OP Series are outdoor LED display panels with universal size modules built with high strength plastic kits for great durability. Equipped with high quality stable LED beads, they deliver high brightness, 7680Hz high refresh rate and IP65 front side protection. Featuring modular hot swap structure for partial maintenance and low cost, the panels support wide adjustable color gamut with uniform color and fine image performance. With max brightness up to 5000nits and 14 bit high grayscale, they ensure clear all weather viewing. Good temperature resistance and anti UV capability prevent yellowing under sunlight. IP65 sealing, potting treatment and drain holes realize stable operation in rainy weather. Widely used for traffic guidance, stadiums, performances, building facades and outdoor advertising.

Suitable for applications including:

- ✓ Commercial Advertising Screens
- ✓ Urban Commercial Plazas
- ✓ Traffic Guidance Displays
- ✓ Urban Landscape Signage
- ✓ Sports Stadiums & Venues
- ✓ Cultural Performance Stages
- ✓ Large-Scale Outdoor Events
- ✓ Public Transport Hubs
- ✓ Tourist Attraction Exhibition Areas
- ✓ City Outdoor Information Terminals



VOKON Outdoor OP Series Full-Color Display

VT-OP2.5/VT-OP3/VT-OP4/VT-OP5

Key Features

1. Universal-size module with high- strength plastic kits for outstanding durability
2. High-quality stable LED beads with cost-effective performance
3. Max brightness up to 5000 nits for all-weather clear visibility
4. 7680Hz high refresh rate and 14-bit high grayscale
5. IP65 front-side dust- water protection, PCB with conformal coating
6. Sealing potting treatment plus drain holes for anti- waterlogging
7. Anti-UV design, anti-yellowing under strong sunlight, wide temperature adaptability
8. Modular hot-swap support for partial quick maintenance
9. Wide-view mask for broad viewing angle
10. Adjustable wide color gamut, uniform color and excellent image quality
11. Low comprehensive application cost
12. Suitable for traffic guidance, stadiums, stages and building facade advertising

Technical specifications

Model	VT-OP2.5	VT-OP3	VT-OP4	VT-OP5
Pixel Pitch (mm)	2.5	3.076	4	5
LED Specification	SMD1415 SMD1515		SMD1921	
Pixel Configuration	SMD 1R1G1B			
Module Size (W×H×D, mm)	320×160×17.4			
Module Resolution (W×H)	128×64	104×52	80×40	64×32
Module Weight (kg)	0.5	0.46	0.46	0.46
Module Area (㎡)	0.0512			
Module Interface	HUB75E			
Module Material	Plastic Bottom Shell			
Pixel Density (Pixels/㎡)	160,000	105,625	62,500	40,000
White Balance Brightness (nits)	≥ 5,000			
Color Temperature (K)	3,000 ~ 15,000			
Horizontal Viewing Angle (°)	≥ 160			
Vertical Viewing Angle (°)	≥ 140			
Contrast Ratio	≥ 8,000:1			
Max Power Consumption per Module (W)	≤ 30	≤ 35	≤ 40	≤ 38
Peak Power Consumption (W/㎡)	≤ 600	≤ 700	≤ 780	≤ 750
Average Power Consumption (W/㎡)	≤ 200	≤ 235	≤ 260	≤ 250
Input Voltage (Vac)	100 ~ 240			
Module Voltage (Vdc)	4.5 / 5			
Drive Method	Constant Current Drive			
Scan Mode	16S	13S	10S	8S
Frame Rate (Hz)	50 & 60			
Refresh Rate (Hz)	7,680			
Grayscale (Bit)	≥ 14			



Outdoor OP Series Full-Color Display

VT-OP2.5/VT-OP3/VT-OP4/VT-OP5

Typical Lifespan (hrs)	100,000
Operating Temp. Range (°C)	-20 ~ 55
Storage Temp. Range (°C)	-20 ~ 60
Operating Humidity Range (RH)	10% ~ 60% (No Condensation)
Storage Humidity Range (RH)	10% ~ 90% (No Condensation)
Maintenance Method	Front / Rear Maintenance
Installation Method	Front / Rear Installation
Connection Method	Flexible Connection
Protection Level (Front)	IP65
Application Environment	Outdoor