

Outdoor LED Display Solutions

O-series

Micropak's outdoor LED display product range, the O-series, is a rugged, IP65 rated, outdoor display product that delivers high-resolution full color images with unequalled brightness and contrast levels.

Micropak's cutting-edge technology, incorporated in the MicroLite O-series, ensures perfect video and graphics performance across the entire display, regardless of shape, size or resolution.

The O-series product range offers a modular outdoor display concept that allows the build-up of almost any shape and size display that is ideal for use at outdoor locations with large viewing distances. The O-series range is available in 10mm to 31mm resolution versions.

The MicroLite O-series displays are ideally suited for countless applications - from entertainment venues to sport stadiums, theme parks and outdoor advertising.



Premium Full Color LED Video Screens

Outdoor LED screen Specifications

Advertising/Commercial Outdoor (Pitch 10mm-31mm)

Pixel pitch (mm)	10	12	14	16	18	20	22	25	31	
Pixel composition (lamp)	1R1G1B		2R1G1B						4R2G2B	
Display tile Resolution pixels wide	16	16	16	16	16	16	16	8	8	
Display tile Resolution pixels high	8	8	8	8	8	8	8	8	8	
Panel Resolution pixels wide	128	96	64	64	64	64	48	48	32	
Panel Resolution pixels high	96	64	48	48	48	48	48	48	32	
Panel Size wide (mm)	1280	1152	896	1024	1024	1280	1056	1200	1000	
Panel Size high (mm)	960	768	672	768	768	960	1056	1200	1000	
Resolution (pixels/m2)	10000	6944	5102	3906	3086	2500	2066	1600	1024	
Weight(kg/m2)	95	90	85	82	80	78	78	75	75	
Display color	coding	215x215x215=3500 billion colors								
	output	256(R)x256(G)x256(B), 16.7 million Colors								
Brightness(cd/m2)	>5000		>6000							
Viewing distance(m)	10~75	12~100	14~110	16~130	18~160	20~200	22~250	25~350	30~500	
Drive mode	1/4 Mux		Static, constant current							
Viewing angle horizontal(degrees)	120	120	120	120	120	120	120	120	120	
Viewing angle vertical(degrees)	50	50	50	50	50	50	50	50	50	
Working voltage	AC220V / 47-63 HZ									
Maximum power consumption (KW/m2)	1.07	1.04	0.75	1.02	0.78	0.65	0.52	0.4	0.52	
Average power consumption (KW/m2)	0.36	0.35	0.25	0.35	0.26	0.21	0.18	0.13	0.17	
Maintenance	Rear									
Ambient Temp.	20-50 C (Requires air-conditioning in hot weather)									
Ambient humidity	10%-95% RH Non Condensing									
Nominal work life	> 100,000 hrs									
Video input	DVI, Composite video, VGA, S-Video (Requires Video capture card)									
Video sources	DVD, VCD, VCR, TV, camera with PAL/NTSC standard									
Brightness control	0-256 Steps Manual or optional Automatic Control									
Contrast Ratio	1950:1									
Gray Scale	0-16K or 0-64K									
Gamma correction	Yes									
VGA and Live video	Yes									
Frequency of frame display	50/60 Hz									
Refresh Rate	400-2400 Hz									
Data Transmission	Panel input Cat5 cable, Remote: RS232/Ethernet									

