

PROSPECTRE

ADVANCED DISPLAY TECHNOLOGY

ProSpectre LED Display Large Format Display



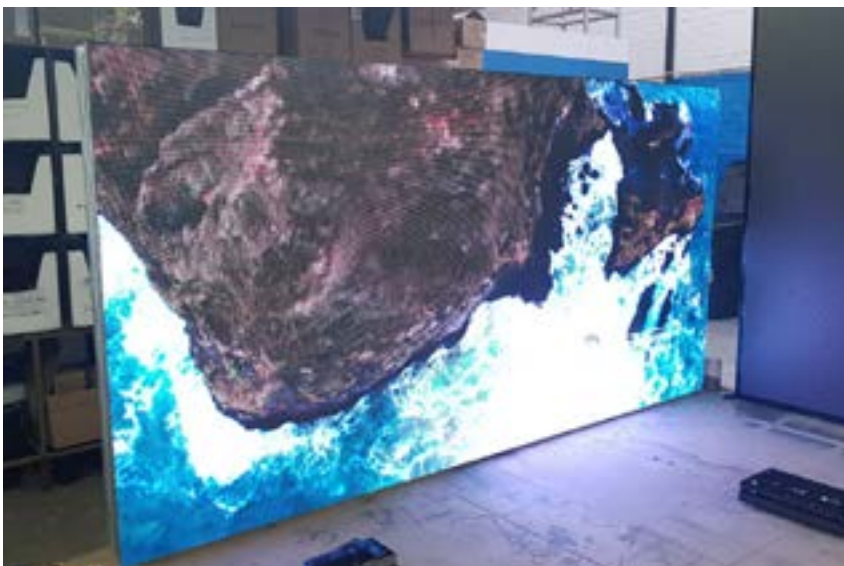
The future of Large Format Displays



The future of Large Format Displays is definitely lying in LED Technology. The benefit of modular panels allows for customization to match many environments. These benefits outweigh many other options as the size and shape of a required screen can differ from project to project and meet the needs of any client. Screens designed to be installed free-standing, on flat or on curved walls, convex or concave, can change any environment into a digital display.

Whether you require a digital screen for your outdoor billboard or indoor signage, your presentation display or theatre backdrop, or purely aesthetic feature in your reception area, ProSpectre LED has the right product for the application.

Because LED technology is light emissive, screens do not need light sources behind the panels in the case of LCD which reduces brightness and only defines colours from a transmitted light source behind the display panel. LED screens can achieve various brightness levels for a multitude of applications.



Another benefit is that very large display screens can be accomplished without using projection through optics, and therefore shadows are not a problem in environments where people move close to the display screens.

A custom resolution can be achieved by matching a specific pixel pitch to the screen size. Depending on the application, various options are available to match minimum viewing distances and provide the most economic, yet adequate solution to the end user.

For any requirement on ProSpectre LED products, contact Electrosonic for a free consultation and design.

Datasheet

ProSpectre LED Display



INDOOR RANGE					
Module Specification	P1.8	P2.0	P2.5	P3.0	P4.0
Pixel Pitch	P1.8	P2.0	P2.5	P3.0	P4.0
Module Size	320 *160	320 *160	320 * 160	192 * 192	320 * 160
Module resolution	174 * 87	160 * 80	128 * 64	64 * 64	80 * 40
Pixel LED	SMD1515	SMD1515	SMD2020	SMD2020	SMD2020
Module Weight	500g	480g	450g	300g	350g
Pixel density (per sqm)	295664	250000	160000	111111	62500
Indoor/Outdoor	Indoor				
Cabinet Specification	P1.8	P2.0	P2.5	P3.0	P4.0
Cabinet size	Any configuration (320 * 160 modules) Open Frame				
Serviceability	Front				
Weight per sqm (estimated)	22	22	22	22	22
Material	Aluminium Frame				
Screen Parameters	P1.8	P2.0	P2.5	P3.0	P4.0
IP rating	IP43	IP43	IP43	IP43	IP43
Power saving	Energy Saving IC				
Power per Module Watt	23	23	24	22	24
Power Max /sqm	449	449	457	413	465
Driving scanning method	1 /32	1 /20	1 /32	1 /32	1 /20
Minimum viewing distance	> 1,8m	> 2,0m	> 2,5m	> 3,0m	> 4,0m
Brightness	> 900				
Refresh rate	3840	3840	3840	3840	1920
Frame frequency	60	60	60	60	60
Colours	4398 Billion				
Operating temp	- 20 to 40° C				
Working Humidity	10% -65%				
Communication distance	Cat5 < 70 Meters and Fibre > 70 Meters				
Input Signal	VGA, HDMI, SDI, DVI, S-Video, YpbPr				
Lifespan	100 000 Hours				
Control system	Novastar, Brightsign, Y10/M90+ (Lan,Wifi, 3G, SD)				

OUTDOOR RANGE							
Module Specification	P4.0	P5.0	P8.0	E - P6.6	E - P8	E - P10	P16
Pixel Pitch	P4.0	P5.0	P8.0	E - P6.6	E - P8	E - P10	P16
Module Size	320 * 160	320 * 160	320 * 160	320 * 160	320 * 160	320 * 160	320 * 160
Module resolution	80 * 40	64 * 32	40 * 20	48 * 24	40 * 20	32 * 16	32 * 16
Pixel LED	SMD 1921	SMD2525	SMD3535	DIP 3in1			
Module Weight	480g	450g	480g	1100g	850g	750g	
Pixel density (per sqm)	62500	40000	15625	22500	15825	10000	
Indoor/Outdoor	Outdoor						
Cabinet Specification	P4.0	P5.0	P8.0	E - P6.6	E - P8	E - P10	P16
Cabinet size	960mm x 960 mm						
Serviceability	Back						
Weight per sqm (estimated)	30	30	30	40	40	40	40
Material	Die Cast Magnesium alloy						
Screen Parameters	P4.0	P5.0	P8.0	E - P6.6	E - P8	E - P10	P16
IP rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Power saving	Energy Saving IC						
Power per Module Watt	42	34	35	45	43	42	
Power Max /sqm	820	679	655	879	840	820	820
Driving scanning method	1 /10	1 /8	1 /5	1 /6	1 /5	1 /4	Static
Minimum viewing distance	> 8,0m	> 5.0m	> 8,0m	> 7,0m	> 8,0m	> 10m	> 16m
Brightness	> 5000			> 8000			> 5500
Refresh rate	1920	1920	1920	1920	1920	1920	1920
Frame frequency	60	60	60	60	60	60	60
Colours	4398 Billion						
Operating temp	- 20 to 40° C						
Working Humidity	10% -90%						
Communication distance	Cat5 < 70 Meters and Fibre > 70 Meters						
Input Signal	VGA, HDMI, SDI, DVI ,S-Video, YpbPr						
Lifespan	100 000 Hours						
Control system	Novastar, Brightsign, Y10/M90+ (Lan,Wifi, 3G, SD)						

• All screens come with a 2 year (parts only) warranty

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