

Internal Video Screens



LED Displays

Internal Front Access Display Screens



Specifications - Internal Front Access Display Screens

Module Specifications			
	1.67mm LED Pitch	1.84 mm LED Pitch	2 mm LED Pitch
LED Type:	SMD2121	SMD1515	SMD1515
Pixel Pitch:	1.67mm	1.84mm	2mm
Pixel Configuration:	1R 1G 1B	1R 1G 1B	1R 1G 1B
LED Lamp:	Full Colour	Full Colour	Full Colour
Density - pixels/m²	359,856	295,369	250,000
Module Size:	320 x 160mm x 15mm	320 x 160mm x 15mm	320 x 160mm x 15mm
Module Resolution:	192 x 96 pixels	174 x 87 pixels	160 x 80 pixels
Module weight:	490gm	496gm	450gm
Module Power:	≤20W	≤20W	≤15W
Internal Voltage:	4.8v, 5.2v DC	4.8v, 5.2v DC	4.8v, 5.2v DC
Input Voltage:	110-240vAC; 50-60Hz	110-240vAC; 50-60Hz	110-240vAC; 50-60Hz
Cabinet Screen Specifications			
Standard Cabinet Size:	640 x 480 x70mm	640 x 480 x70mm	640 x 480 x70mm
Cabinet Weight:	Typically 7Kg	Typically 7Kg	Typically 7Kg
Cabinet Resolution:	384 x 288 pixels	348 x 261 pixels	320 x 240 pixels
Light Intensity (Brightness):	≥500cd/m ²	≥500cd/m ²	≥500cd/m ²
Viewing Angle:	120° (Horiz)/120° (Vert)	120° (Horiz)/120° (Vert)	120° (Horiz)/120° (Vert)
Best Viewing Distance:	1.6m plus	1.8m plus	2m plus
Control Type:	Synchronous	Synchronous	Synchronous
Refresh Rate:	Std:≥1920 Hz, High:≥3840 Hz	Std:≥1920 Hz, High:≥3840 Hz	≥2400 Hz
Scanning Mode:	1/64	1/58	1/40
Display Colours:	16,777,216	16,777,216	16,777,216
Conitnuous Working Time:	>24 Hrs	>24 Hrs	>24 Hrs
LED Life:	>100,000 Hrs continuous	>100,000 Hrs continuous	>100,000 Hrs continuous
MTBF:	>10,000 Hrs	>10,000 Hrs	>10,000 Hrs
Max Power Consumption:	390W/m ²	390W/m ²	292W/m ²
Average Power Consumption:	130 - 195W/m ²	130 - 195W/m ²	95 - 150W/m ²
Operational Temp Range:	-30° to +60° Celsius	-30° to +60° Celsius	-30° to +60° Celsius
Operating Humidy Range:	10% to 90% RH	10% to 90% RH	10% to 70% RH
Protocol:	Standard	Standard	Standard
Interface Type:	Variable as per requirement	Variable as per requirement	Variable as per requirement
Software:	Various Software Options	Various Software Options	Various Software Options
Maintenance:	Front Access	Front Access	Front Access
Certificates:	EMC, BIS, PSE, FCC, CE, UL, CB	EMC, BIS, PSE, FCC, CE, UL, CB	EMC, BIS, PSE, FCC, CE, UL, CB
Cabinet Construction:	Aluminium finished in matt black coating RAL9005	Aluminium finished in matt black coating RAL9005	Aluminium finished in matt black coating RAL9005
Protection Level:	IP43	IP43	IP43

Specifications - Internal Front Access Display Screens

Module Specifications			
	2.5mm LED Pitch	3.076 mm LED Pitch	4 mm LED Pitch
LED Type:	SMD2121	SMD2121	SMD2121
Pixel Pitch:	2.5mm	3.076mm	4mm
Pixel Configuration:	1R 1G 1B	1R 1G 1B	1R 1G 1B
LED Lamp:	Full Colour	Full Colour	Full Colour
Density - pixels/m²	160,000	105,690	62,500
Module Size:	320 x 160mm x 12.5mm	320 x 160mm x 15mm	320 x 160mm x 12.5mm
Module Resolution:	128 x 64 pixels	104 x 52 pixels	80 x 40 pixels
Module weight:	400gm	360gm	340gm
Module Power:	≤18W	≤16.4W	≤20W
Internal Voltage:	4.8v, 5.2v DC	4.8v, 5.2v DC	4.8v, 5.2v DC
Input Voltage:	110-240vAC; 50-60Hz	110-240vAC; 50-60Hz	110-240vAC; 50-60Hz
Cabinet Screen Specifications			
Standard Cabinet Size:	640 x 480 x70mm	640 x 480 x70mm	640 x 480 x70mm
Cabinet Weight:	Typically 7Kg	Typically 7Kg	Typically 7Kg
Cabinet Resolution:	256 x 192 pixels	208 x 156 pixels	160 x 120 pixels
Light Intensity (Brightness):	≥700cd/m ²	≥700cd/m ²	≥900cd/m ²
Viewing Angle:	120° (Horiz)/120° (Vert)	120° (Horiz)/120° (Vert)	120° (Horiz)/120° (Vert)
Best Viewing Distance:	2m plus	3m plus	4m plus
Control Type:	Synchronous	Synchronous	Synchronous
Refresh Rate:	2400 Hz	2400 Hz	≥1920 Hz
Scanning Mode:	1/64	1/52	1/20
Display Colours:	16,777,216	16,777,216	16,777,216
Conitnuous Working Time:	>24 Hrs	>24 Hrs	>24 Hrs
LED Life:	>100,000 Hrs continuous	>100,000 Hrs continuous	>100,000 Hrs continuous
MTBF:	>5,000 Hrs	>5,000 Hrs	>5,000 Hrs
Max Power Consumption:	351W/m ²	345W/m ²	390W/m ²
Average Power Consumption:	120W/m ²	125W/m ²	130W/m ²
Operational Temp Range:	-30° to +60° Celsius	-30° to +60° Celsius	-30° to +60° Celsius
Operating Humidy Range:	10% to 70% RH	10% to 70% RH	10% to 70% RH
Protocol:	Standard	Standard	Standard
Interface Type:	Variable as per requirement	Variable as per requirement	Variable as per requirement
Software:	Various Software Options	Various Software Options	Various Software Options
Maintenance:	Front Access	Front Access	Front Access
Certificates:	EMC, BIS, PSE, FCC, CE, UL, CB	EMC, BIS, PSE, FCC, CE, UL, CB	EMC, BIS, PSE, FCC, CE, UL, CB
Cabinet Construction:	Aluminium finished in matt black coating RAL9005	Aluminium finished in matt black coating RAL9005	Aluminium finished in matt black coating RAL9005
Protection Level:	IP43	IP43	IP43

about us

As an established leader in the UK for electronic message display signs and with 40 years experience in the business of supplying programmable LED signs and LED displays, you can be sure that we'll give you the right advice and excellent service, these are the values that we hold dear.

We are a British company and we pride ourselves in our commitment to our customers, product performance and our quality of service. In the past 40 years or more we have installed in the region of nearly 20,000 LED screens and displays to a broad spectrum of clients. As a LED display LED screen manufacturer we are able to offer a complete bespoke service from concept to commissioning offering you the most cost effective solution to your needs.

If you'd like to talk to us about how we can help you just call us. There's no obligation and we don't charge for quotations. We can work together to be sure that the LED display we offer you is absolutely the correct solution for your requirements.

For demonstrations and to view our extensive range of LED displays please contact us to arrange a visit to our showroom at our base in Andover, Hampshire. Just call us on 01264 303030.

accreditations

LED Synergy Electronic Displays have 40 years experience in the manufacture and supply of electronic displays to many companies and individuals worldwide. We have a wealth of experience and expertise and have been accredited with the following certifications:



WE ARE ALSO AN APPROVED HIGHWAYS AGENCY CONTRACTOR

- **Simple to operate products with bespoke software**
- **Value for money & satisfaction guaranteed**
- **Superb British manufactured products**
- **Excellent support & customer service**



"I am over the moon!" *Quartermaster*
- Army Land Forces HQ

"Well done, system all up and running for D-day, and very positive comments from all the staff."
Richard Aschough (Treasury) - Bank of England

"I've dealt with a lot of LED companies and I wouldn't ever now consider moving from LEDsynergy" *Paul Holland - WAE Group*

"Our new electronic displays really help, before the displays, the visitors made their way to the nearest ride or the most popular. This created large queues on some, but no waiting on other rides, but with the introduction on the boards visitors are better informed, making a more enjoyable day for all" *Chris Burton - Park Manager - Legoland*

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