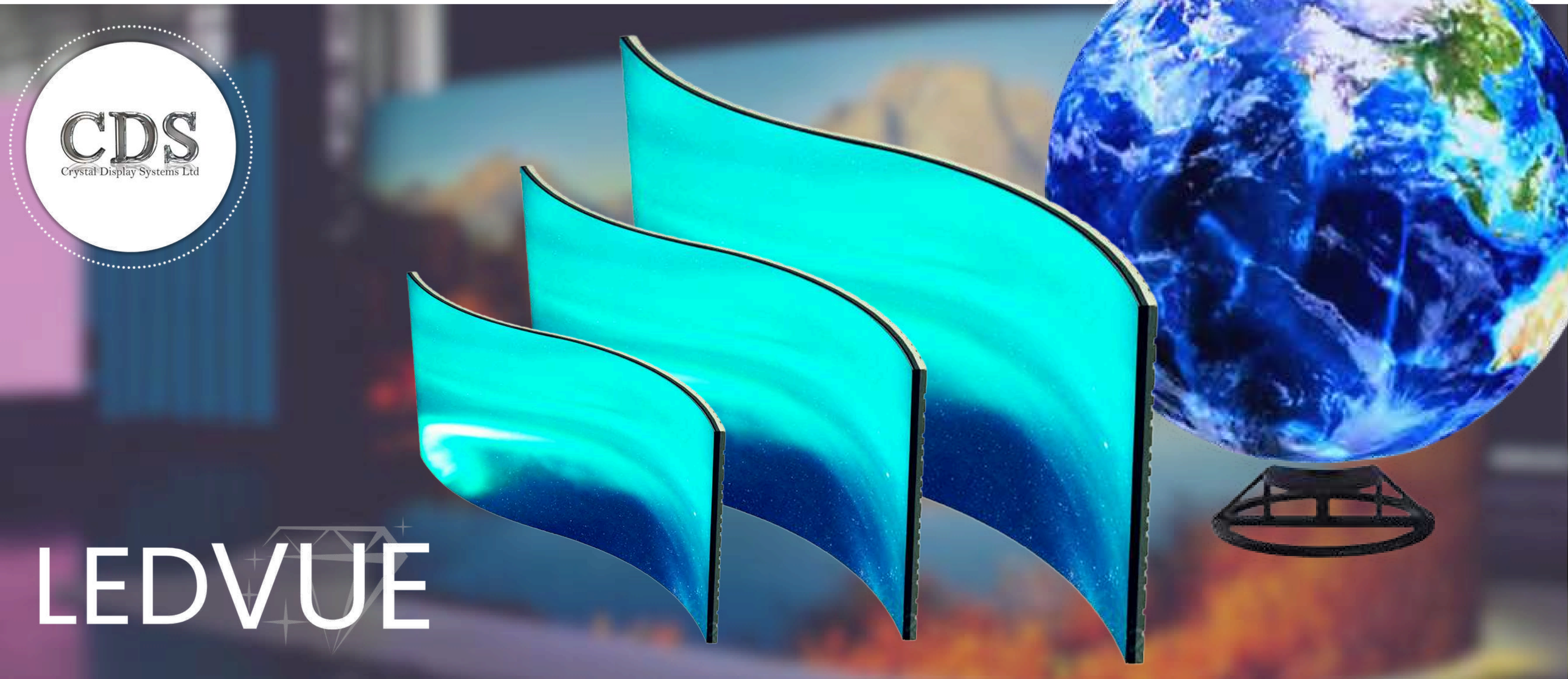
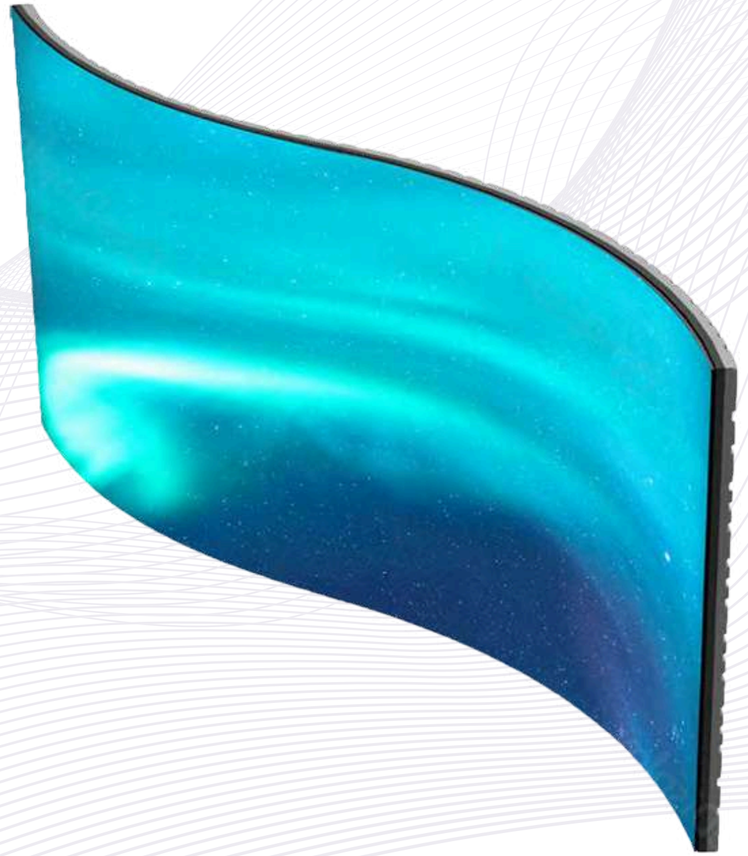
CRYSTAL DISPLAY SYSTEMS LTD

LEDVUE - Flexible LED Display



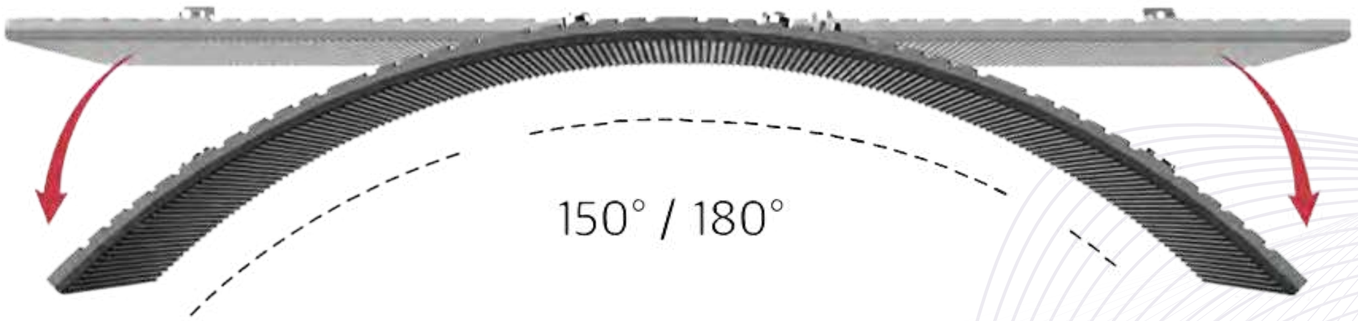
Ultra-Lightweight, High-Resolution Design

Our ultra-lightweight construction with industry-leading pixel density delivers crystal-clear visuals and effortless installation — ideal where traditional LED panels can’t perform.



Dual-Sided Viewing Freedom

Break free from the limitations of single-sided displays with our innovative design that enables unmatched display flexibility and visibility from both sides.



Flexible Adaptive LED Panels

Available in the following pixel pitches: 1.25mm, 1.56mm, 1.86mm, 2mm, 2.5mm, 3.078mm, 4mm.

Effortless Installation & Integration

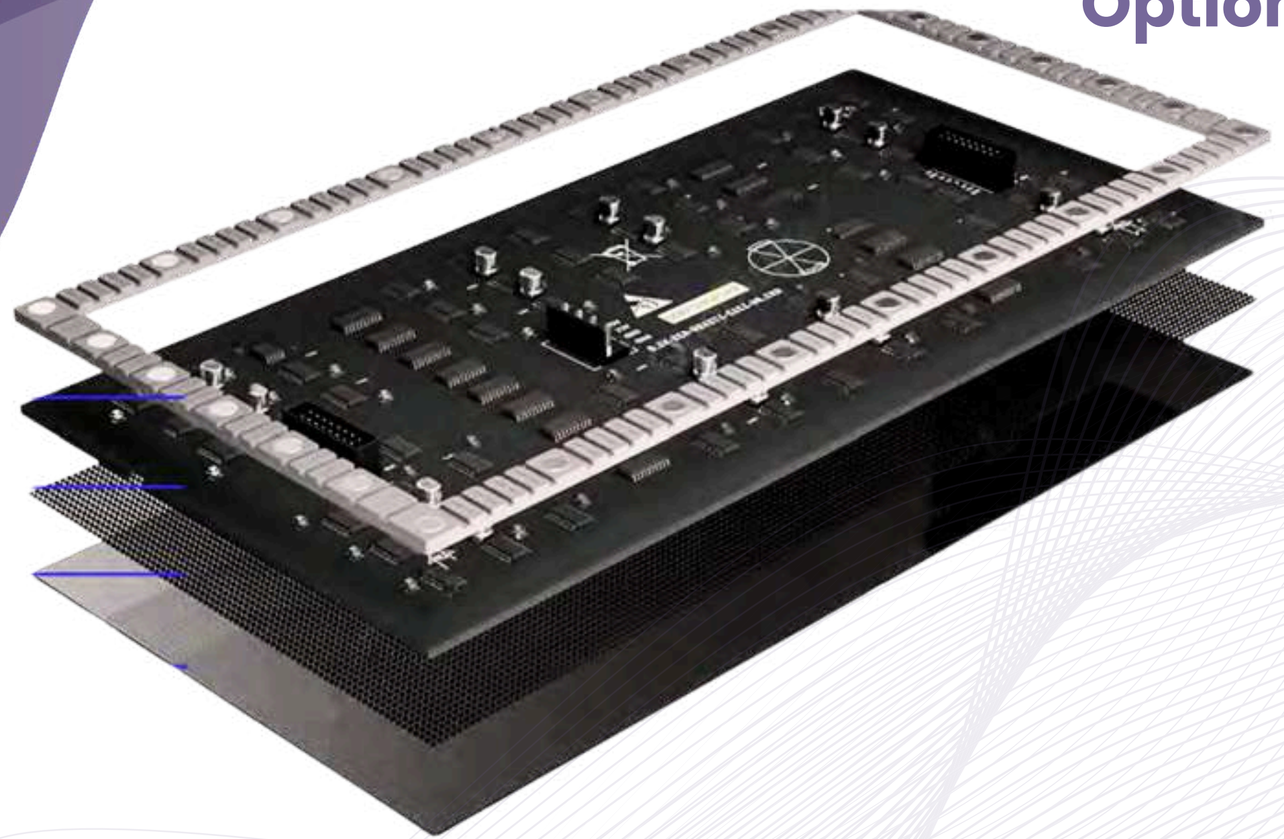
Engineered for simplicity, our modular, ultra-lightweight design allows fast, hassle-free installation in any environment — from retail windows to large-scale architectural displays — reducing setup time and maximizing visual impact.

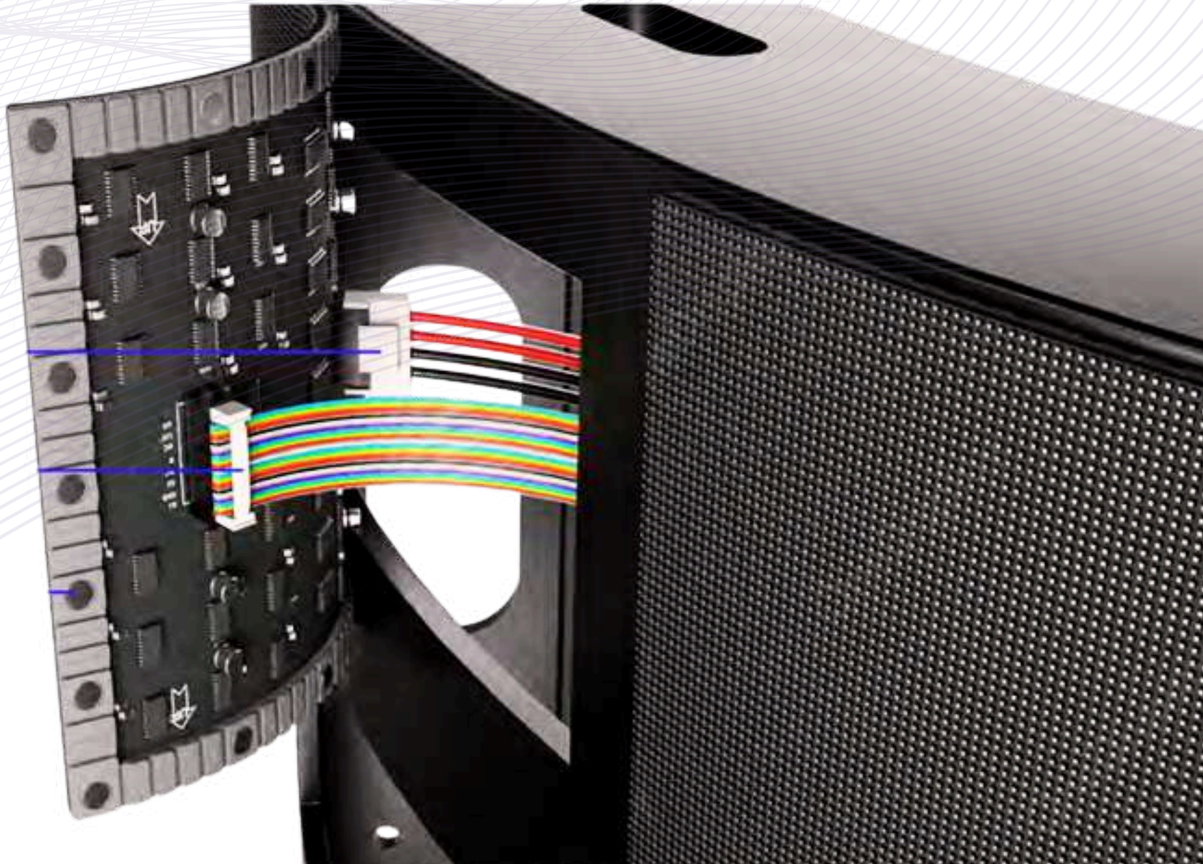
Effortlessly Craft Concave Or Convex Curves

From immersive concave installations to eye-catching convex displays. unlock unprecedented creative flexibility engineered for audience engagement demands multi-angle adaptability.

Optional GOB-Encapsulated LED Modules

Avalilable with optional GOB polymer encapsulation for protection: Dustproof &. Be damp-proof, Scratch-Resistant Surface - Prevents LED bead from accidental impacts or abrasion.





Installations with Magnetic Systems

Multi-pole magnetic arrays solution, Omni-Surface Compatibility: Instantly adheres to ferrous substrates (steel/iron/aluminum) without drilling.

Front-Rear Serviceable LED Module

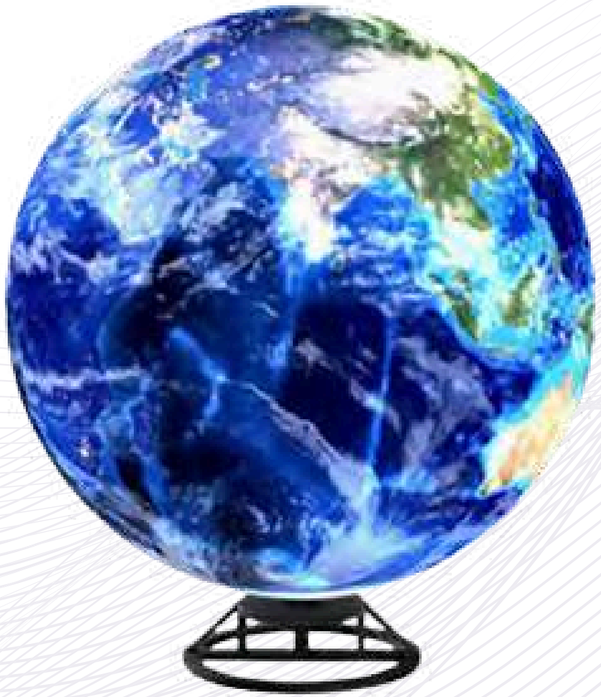
Module feature front/rear access that streamline cabinet servicing. The tool-free modular architecture enables rapid hot-swap replacement of individual components.

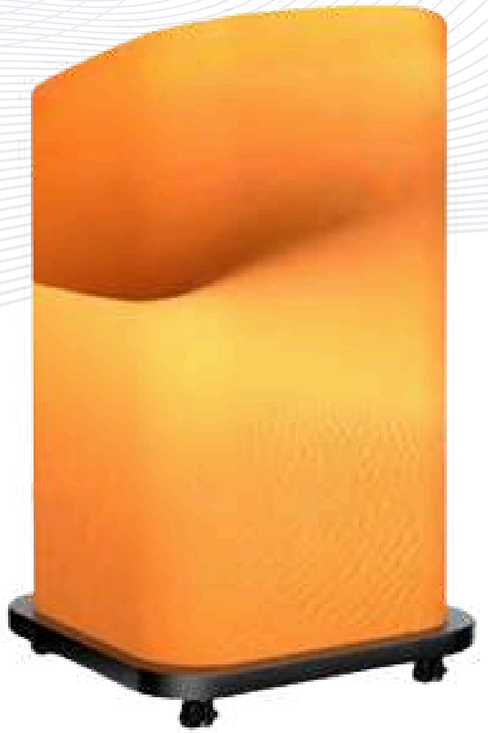
Customized Framing Solutions

Every project is one-of-a-kind, so is our framing system. Expertly engineered and segmented splicing . ensuring flawless execution for even the most complex designs and installations.

Versatile Applications for Any Design

From standard shapes like cola cans. pillars. and globes to customized geometries. Whether you need mass-produced uniformity or one-of-a-kind creative displays, we deliver precision for all scenarios.





ALL-STAR
FANFEST
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Product Specification

Pixel Pitch	1.25mm	1.56mm	1.86mm	2mm
LED lamp bead model	SMD1010	SMD1212	SMD1515	SMD1515
Pixel composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
Module Size(W*H)	320x160mm	320x160mm	320x160mm	320x160mm
Module Reslution(W*H)	256x128	204x102	172x86	160x80
Density of Pixel (dots/m²)	640000	406406	288906	250000
Brightness(cd/m2)	600-800			
Scan Method	1/64 Scan	1/51 Scan	1/43 Scan	1/40 Scan
Refresh rate	≥3000-3840			
Viewing angle	160°/160°			
Gray Scale	12-16bits			
Module/Panel Fixed Way	Front			
IP Grade	IP45			
Signal Input	DVI, HDMI, etc.			
Input Voltage	AC100V - AC240V @ 50Hz/60Hz			
Maximum power (W/m²)	490	490	440	440
Average power (W/m²)	165	165	150	150
Operating environment	-20℃～50℃ 10%～90%RH			
Working time	≥7×24hrs ≥100000Hours			

Pixel Pitch	2.5mm	3.076mm	4mm
LED lamp bead model	SMD1515	SMD1515	SMD2121
1Pixel composition	1R1G1B	1R1G1B	1R1G1B
Module Size(W*H)	320x160mm	320x160mm	320x160mm
Module Reslution(W*H)	128x64	104x52	80x40
Density of Pixel (dots/m²)	160000	105625	62500
Brightness(cd/m2)	600-800		
Scan Method	1/32 Scan	1/26 Scan	1/20 Scan
Refresh rate	1920 - 3,840Hz		
Viewing angle	160°/160°		
Gray Scale	12-16bits		
Module/Panel Fixed Way	Front		
IP Grade	IP45		
Signal Input	DVI, HDMI, etc.		
Input Voltage	AC100V - AC240V @ 50Hz/60Hz		
Maximum power （W/m²）	440	440	440
Average power （W/m²）	150	150	150
Operating environment	-20℃～50℃ 10%～90%RH		
Working time	≥7×24hrs ≥100000Hours		

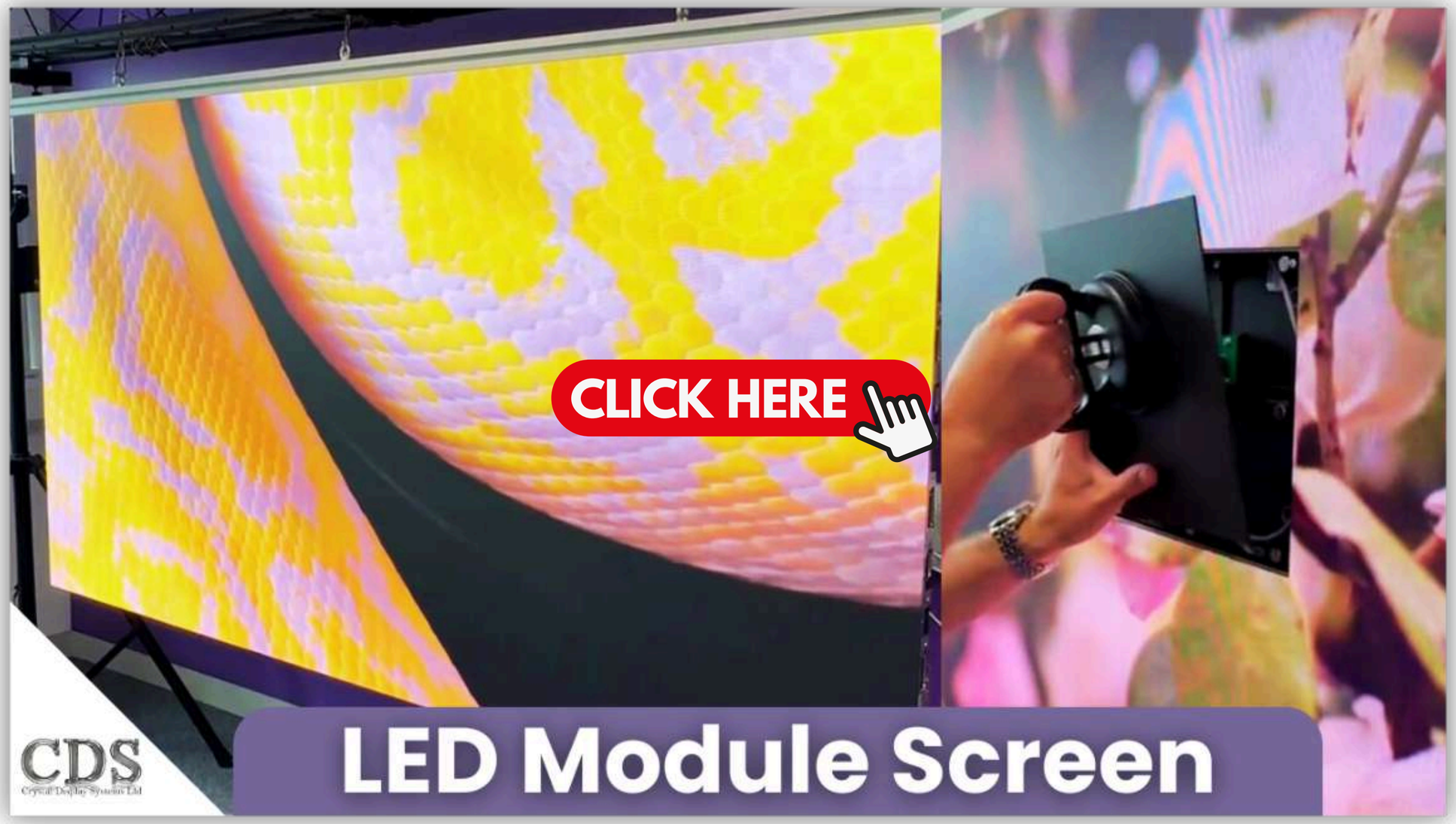
Contact us for more details or visit our website

Notes on Installation Details ⚠️

1. The operator must wear anti-static gloves when assembling the module.
2. The screen body or module is prohibited to splash water, such as cleaning dust shall not use rags, objects with moisture, hard objects for cleaning, can be cleaned with an anti-static soft brush.
3. When installing the indoor LED display, the relative humidity of the environment should be in the range of 20%-80%, and the module should be placed in a dry place before assembly to ensure that the module is stored in an environment where the temperature is within 35°C and the humidity within 65%.
4. It is forbidden to tear or pull directly by violence, recommended gently pulling and inserting the wires to avoid breaking the copper column and damaging the PCB.
5. It is forbidden to install with galvanized square pipe, galvanized square pipe cannot guarantee the flatness. it is recommended to install with iron box spraying process.
6. The spraying process is recommended for simple arc-shaped and cylindrical sheet metal iron boxes. which are easy to install and have good flatness.
7. Module bending angle between 150° and 180°, repeated folding of modules with violence is prohibited.

* Product failure or damage caused by non-compliance with the relevant precautions in the installation details manual or human factors are not covered by the manufacturer's warranty. Please take good care of the materials and accessories supplied with the screen. and contact us if you have any questions

Check Out Our Fine Pitch LED in Action!



Crystal display systems - About us!

The CDS Philosophy of business – Industrial Displays from Crystal Display Systems the leading designer, distributor, value added reseller as well as the developer of custom monitors and customization of flat panel display solutions.

Established over 12 years ago, our expertise allows us to offer the best solutions to our clients and partners. We offer Industrial TFT LCDs, OLEDs embedded AIO, touch screens, and digital signage solutions.

With the CDS philosophy of business we combine the latest industrial and retail displays and technology, engineering and manufacturing capabilities to optimise our integrated solutions.

If you have a requirement for any digital display products then please contact our Technical sales and support team to work closely with you on your specific project and requirements.

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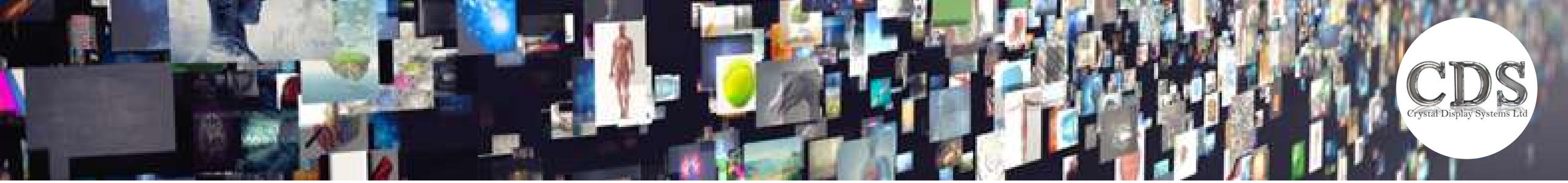

E&OE

Need any additional information?

Our team is always available to help you with pricing details, technical support, or any additional information you may need. Please don't hesitate to reach out.

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