

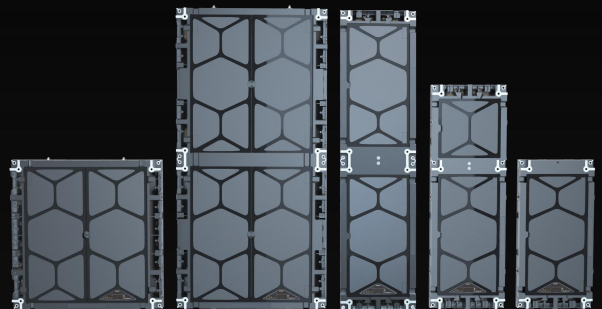
DESAY



Matrix Series

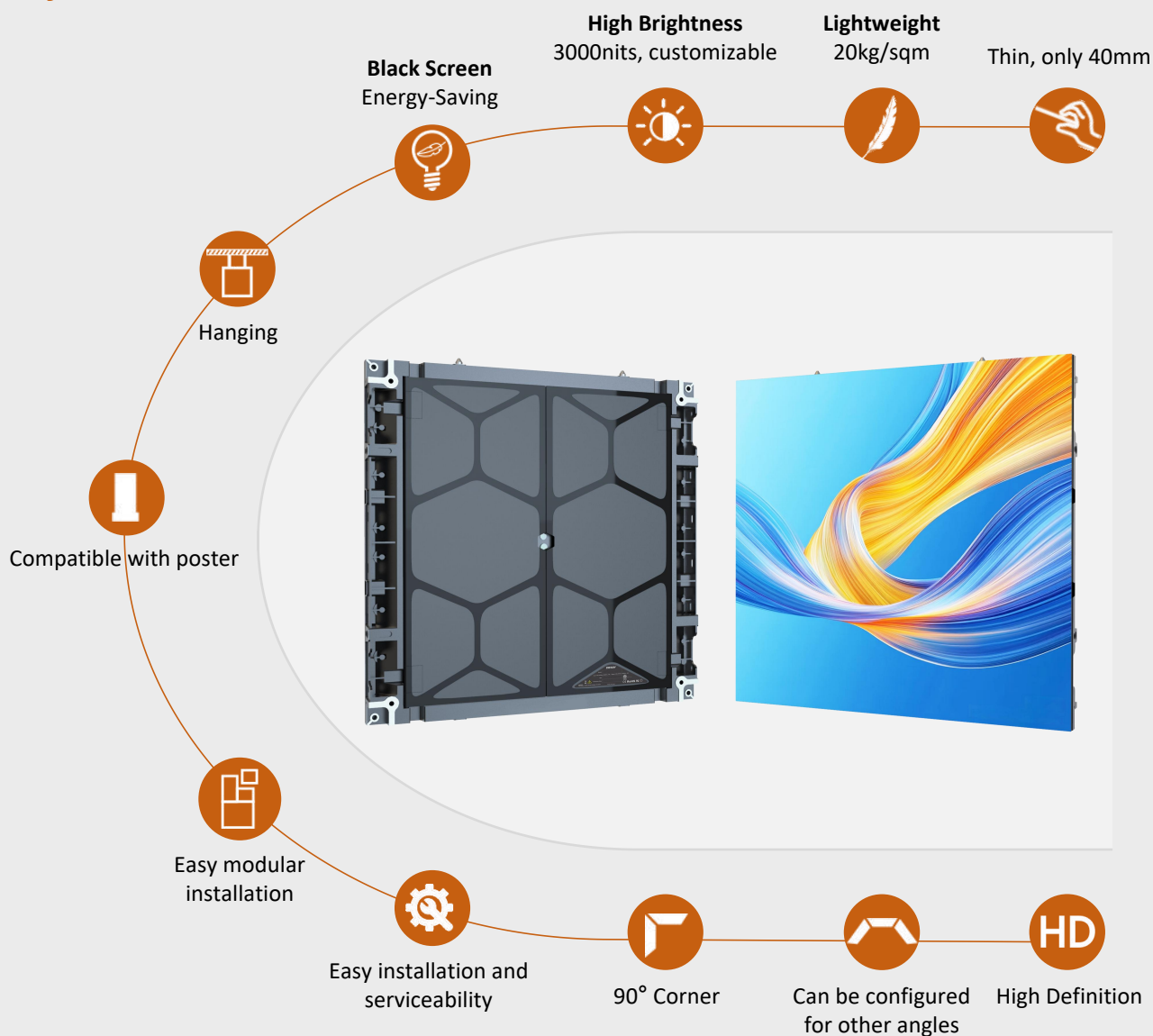
Modular Multi-Purpose Indoor LED Display

- Cabinet dimensions: 500×250 / 500×500 / 500×1000 / 750×250 / 1000×250
- Supports horizontal, vertical and mixed splicing combinations
- Supports 90° right-angle installation and 45° bevel splicing
- Modular block design
- Ultra-thin & lightweight
- Hidden cable routing



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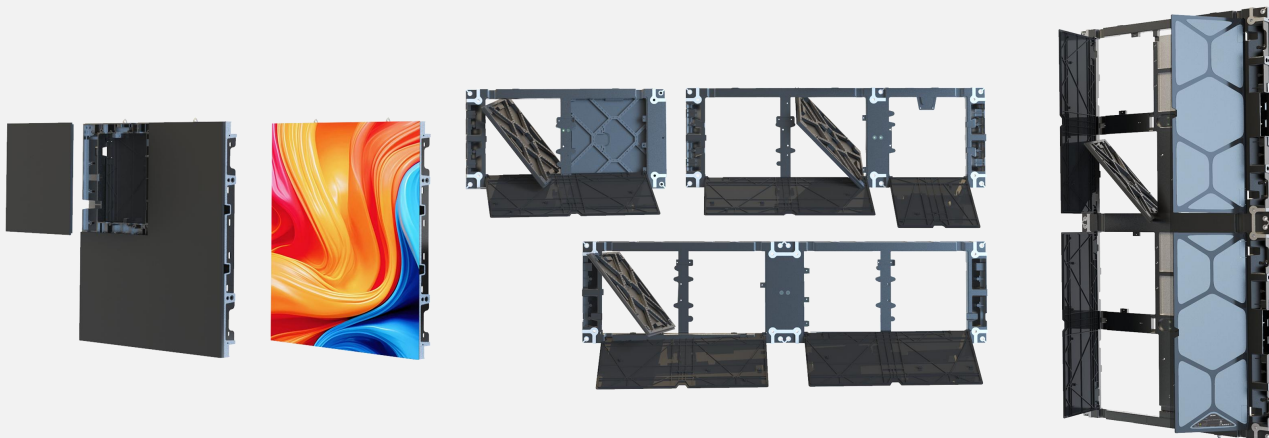
Key Features



Serviceability: front, rear, or front pull-out

Ultra-thin & Lightweight Design

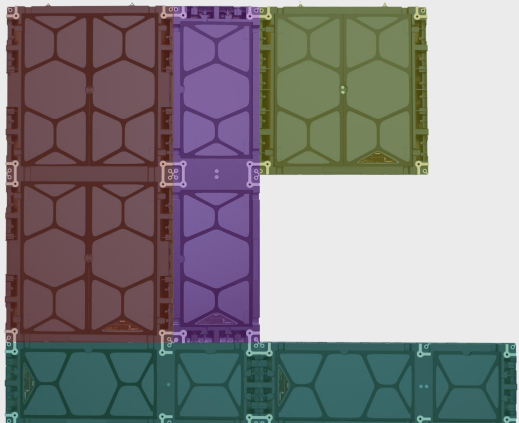
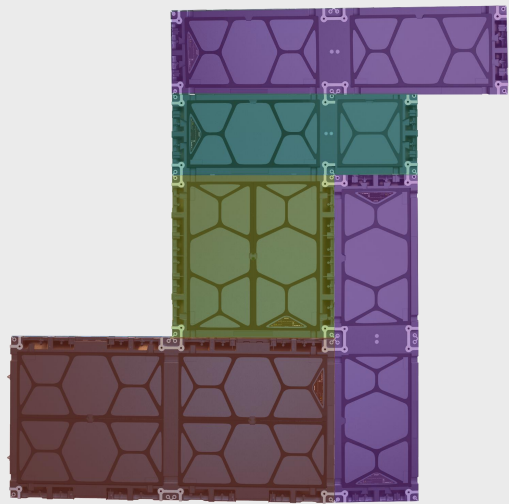
Serviceability: front, rear, or front pull-out, meeting the installation needs of various scenarios



Modular Block Design

Easily enables creative shapes and multi-dimensional structure applications

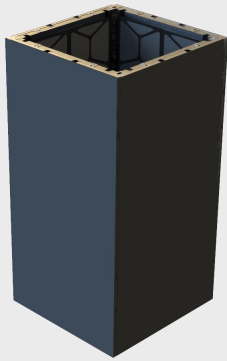
Universal Modules, Panels Can Be Horizontally or Vertically Mixed and Matched



Corner Enclosure, Column Surround

Dedicated corner panels available for corner wrapping and pillar surrounding installation

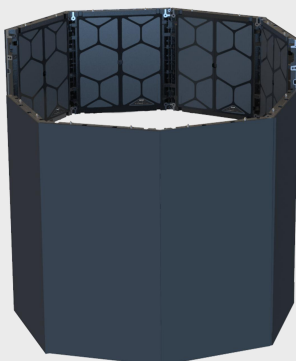
Cube design, minimum size 500×500×500mm



Can be configured with corner panels



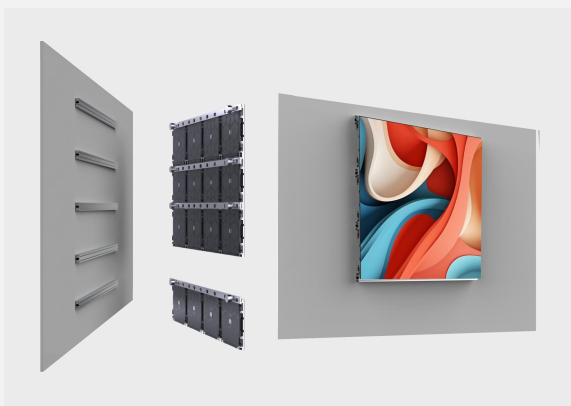
Supports column surround



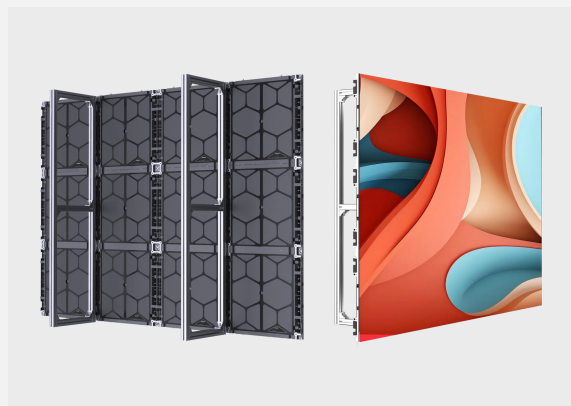
Versatile Applications

Ultra-thin wall-mounted, vertical window installation, suspended installation, commercial display and other diversified applications

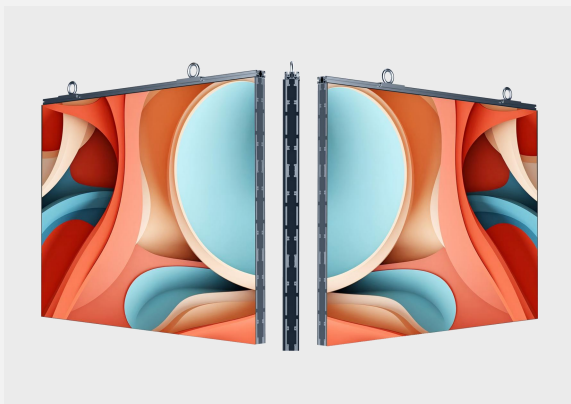
Wall-mount thickness: only 58mm (profile mounting or direct wall mounting)



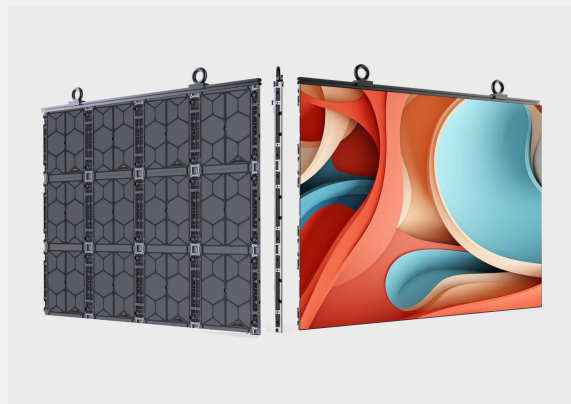
Stacked Installation – Compatible with 40-series aluminum profiles



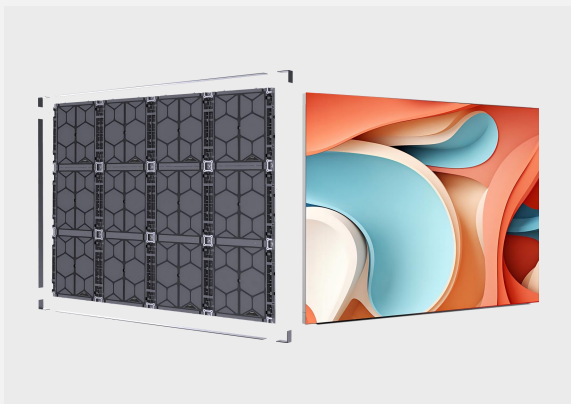
Double-sided suspension: only 80mm thick
Profiles can be directly assembled into suspension beams



Single-sided suspension: 40mm profile mounting thickness



Ultra-thin all-in-one displays can be configured



Various types of advertising displays can be configured



Specifications

Matrix

Parameter	Unit	Matrix1.2	Matrix1.5	Matrix1.9	Matrix2.6	Matrix2.9	Matrix3.9
Pixel pitch	mm	1.25	1.563	1.953	2.604	2.976	3.906
Brightness	nits	800	800	800	1000	1000	1000
Pixel configuration	R/G/B	MIP0606	SMD1212	SMD1212	SMD1515	SMD1515	SMD2020
Color temperature	K	6500					
Viewing angle-Horizontal (50% brightness)	Deg.	140 (+70/-70)					
Viewing angle-Vertical (50% brightness)	Deg.	140 (+70/-70)					
Recommended minimum viewing distance	m	1.2	1.5	1.9	2.6	2.9	3.9
Panel dimension	mm	500×250/500×500/500×1000/750×250/1000×250					
Panel depth	mm	40					
Panel area	m²	0.125/0.25/0.5/0.1875/0.25					
Panel material		Die-cast Aluminum					
Panel weight	Kg	20kg/sqm					
Ingress protection (front/back)	IP	30/30					
Pixel matrix per module		200×200	160×160	128×128	96×96	84×84	64×64
Brightness control		255					
Gray scale	bit	14/16					
Frame rate	Hz	50/60					
Display refresh rate	Hz	3840/7680					
Input voltage	VAC	100 ~ 240					
Input power frequency	Hz	50 ~ 60					
Power Consumption (Max.)	W/m²	380±10%	550±10%	550±10%	550±10%	550±10%	480±10%
Power Consumption (Avg.)	W/m²	133±10%	192±10%	192±10%	175±10%	175±10%	168±10%
Operating temperature range	°C	-10 ~ +40					
Lifetime (50% brightness)	Hours	100,000					

Matrix-HB

Parameter	Unit	Matrix1.2-HB	Matrix1.5-HB	Matrix1.9-HB	Matrix2.6-HB	Matrix2.9-HB	Matrix3.9-HB
Pixel pitch	mm	1.25	1.563	1.953	2.604	2.976	3.906
Brightness	nits	2000	3000	3000	3000	3000	3000
Pixel configuration	R/G/B	MIP0606	MIP1010	MIP1010	SMD1415	SMD1415	SMD1921
Color temperature	K	6500					
Viewing angle-Horizontal (50% brightness)	Deg.	140 (+70/-70)					
Viewing angle-Vertical (50% brightness)	Deg.	140 (+70/-70)					
Recommended minimum viewing distance	m	1.2	1.5	1.9	2.6	2.9	3.9
Panel dimension	mm	500×250/500×500/500×1000/750×250/1000×250					
Panel depth	mm	40					
Panel area	m²	0.125/0.25/0.5/0.1875/0.25					
Panel material		Die-cast Aluminum					
Panel weight	Kg	20kg/sqm					
Ingress protection (front/back)	IP	30/30					
Pixel matrix per module		200×200	160×160	128×128	96×96	84×84	64×64
Brightness control		255					
Gray scale	bit	14/16					
Frame rate	Hz	50/60					
Display refresh rate	Hz	3840/7680					
Input voltage	VAC	100 ~ 240					
Input power frequency	Hz	50 ~ 60					
Power Consumption (Max.)	W/m²	650±10%	600±10%	600±10%	550±10%	550±10%	550±10%
Power Consumption (Avg.)	W/m²	227±10%	210±10%	210±10%	193±10%	193±10%	193±10%
Operating temperature range	°C	-10 ~ +40					
Lifetime (50% brightness)	Hours	100,000					