

DESAY



reddot design award 2024



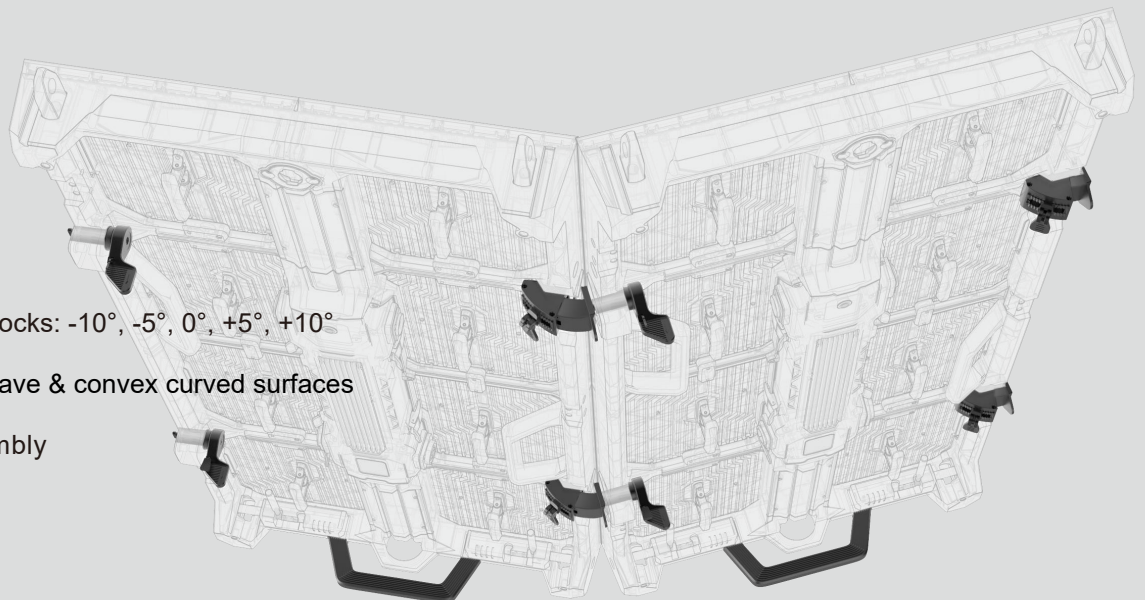
RT Series

- Next-generation outdoor display
- Rental & stage touring solution
- Pixel Pitch: 2.6~8.3 mm
- Refresh rate up to 7860 Hz, 16 bit grayscale
- Front & rear IP65 protection grade
- Compatible with concave & convex curved installation
- Touring frames & transport dollies optional

Huizhou Desay Intelligent Technology Co., Ltd.
Tel: +86 752 2617333 E-mail: led@desay.com www.desayopto.com



- Full front & rear maintainability
- Modular structure, power box & modules support quick hot swapping
- Hub board equipped with fuse design, engineered with multi-level safety protections
- Compact 250×250 mm module, lower replacement component costs
- Independent power & signal ports, tool-free replacement



Optional five-angle curved locks: -10° , -5° , 0° , $+5^{\circ}$, $+10^{\circ}$

Effortless formation of concave & convex curved surfaces

Quick & convenient assembly



Hanging beams & transport dollies are optional
 Max hanging load: 15 panels

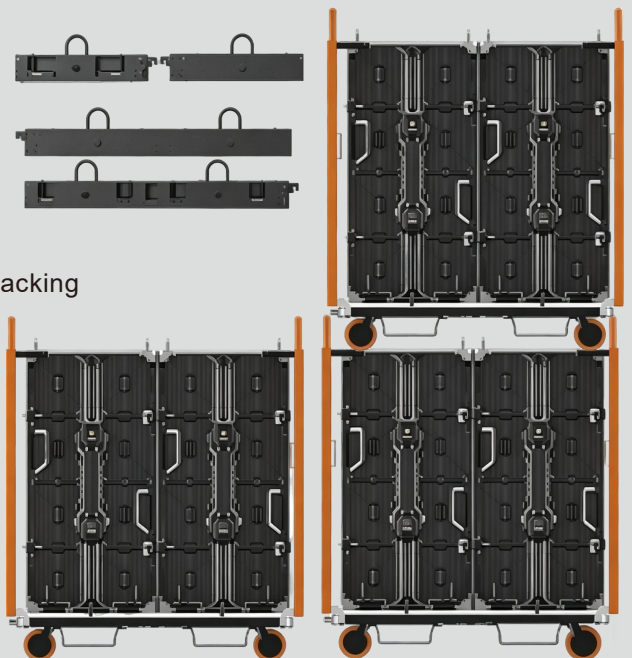
Hanging bar accessories

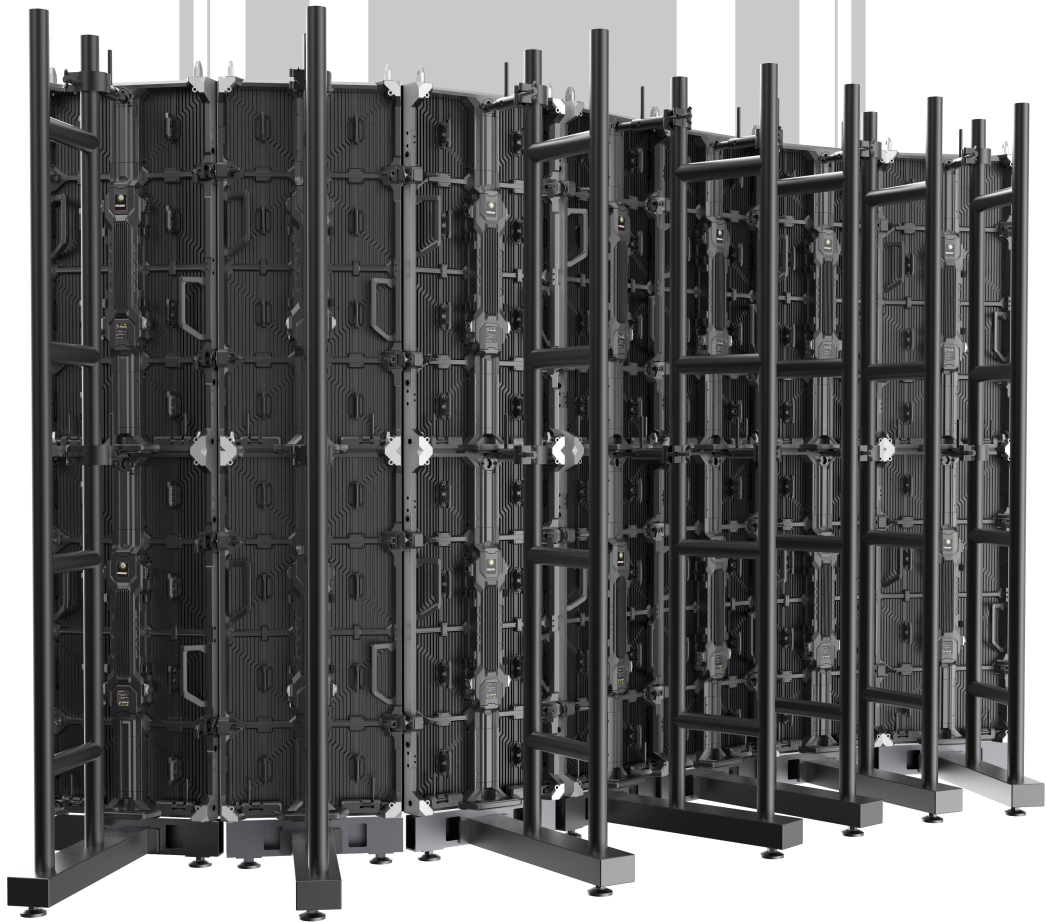
1-in-1 dimension: 459 × 100 × 50 mm
 2-in-1 dimension: 959 × 100 × 50 mm

Loading capacity per dolly: 12 panels
 Industry standard trolley size, suitable for truck loading & double stacking
 20ft container: 10 trolleys / 60 sqm LED screen system
 40ft container: 44 trolleys / 264 sqm LED screen system

Transport dolly advantages

Serves directly as shipping packaging
 Supports vertical stacking & hoisting operation for easier handling





Concave & convex stacking splicing

Stacking accessories

Ground beam specifications:

1-in-1: 480 × 50 × 100 mm

2-in-1: 980 × 50 × 100 mm

Touring frame

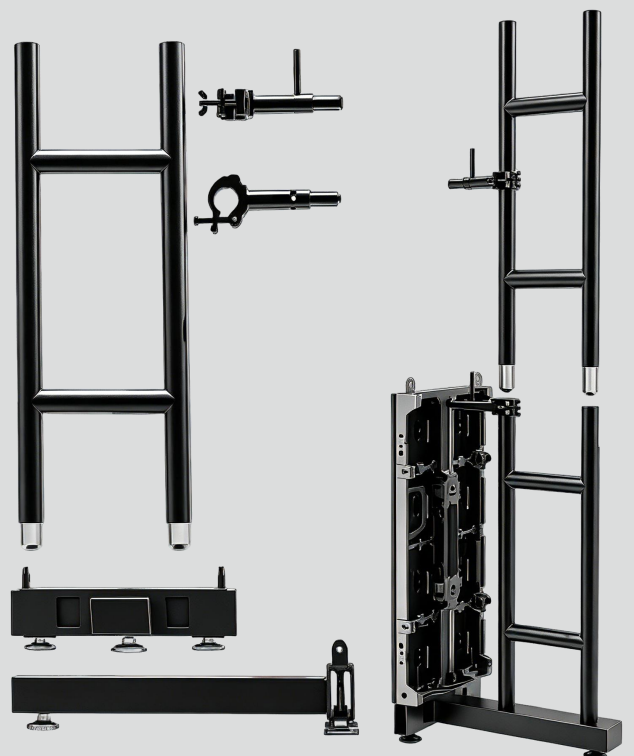
1-in-1: 500 mm H × 300 mm W, pipe diameter 50 mm

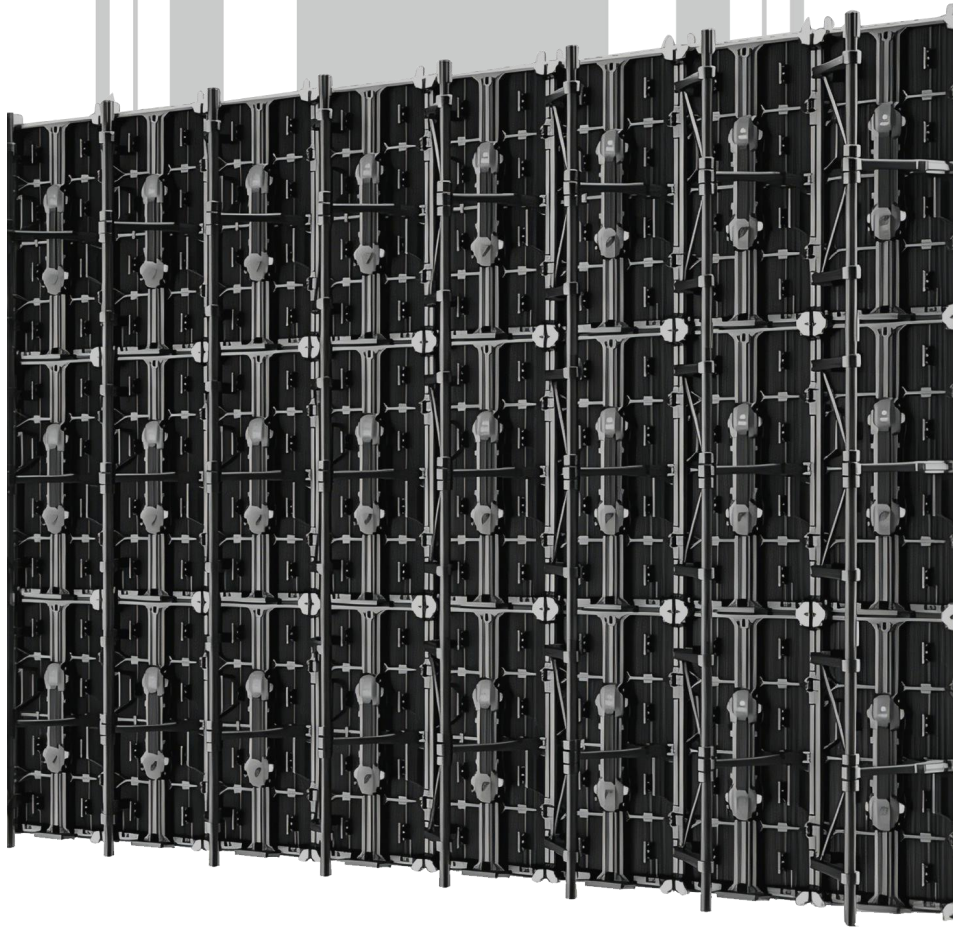
2-in-1: 1000 mm H × 300 mm W, pipe diameter 50 mm

Touring frame bracket:

700 mm W × 50 mm D × 100 mm H

Touring frame quick lock

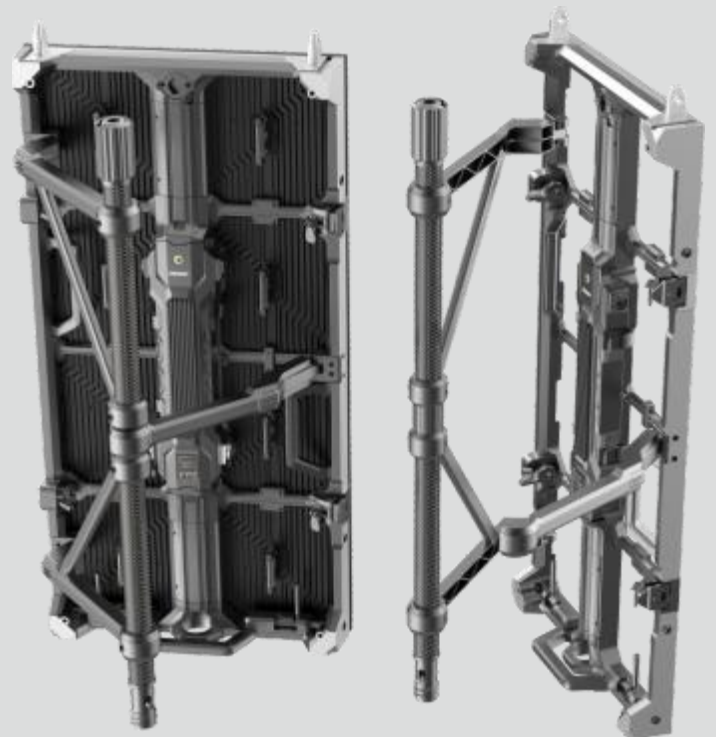




Touring frame facilitates large screen installation

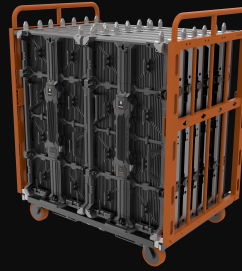
Comes with detachable innovative ladder, sturdy and durable structure, wind resistance up to 20 m/s

RT series adapts to road touring use, significantly reducing setup time for large-scale installations





Flight case specification
 Loading specification: 6 panels per case
 Dimension: 1150×845×1250 mm (H)



Dolly packaging specification
 Loading specification: 12 panels per dolly
 Dimension: 1568×760×1181 mm (H)



Data Cable
 Neutrik & Seetronic connectors optional

Specifications:
 Horizontal wiring: 0.5 m
 Vertical wiring: 1.3 m



Power Cable
 Neutrik & Seetronic connectors optional

Specifications:
 Horizontal wiring: 0.5 m
 Vertical wiring: 1.3 m

Specifications

Parameter	Unit	RT2.6	RT2.9	RT3.9	RT4.8	RT8.3
Pixel pitch	mm	2.604	2.976	3.906	4.807	8.333
Brightness	nits	5000~5500	5000~5500	5000~6000	5000~6000	5000~6000
Pixel configuration	R/G/B	SMD 3 in 1				
Color temperature	K	6500				
Viewing angle-Horizontal (50% brightness)	Deg.	140 (+70/-70)				
Viewing angle-Vertical (50% brightness)	Deg.	140 (+70/-70)			100 (+50/-50)	
Recommended minimum viewing distance	m	2.6	3	4	5	8
Panel width	mm	500				
Panel height	mm	1000				
Panel depth	mm	86				
Panel area	m ²	0.5				
Panel material		Die-casting Aluminum				
Panel weight	Kg	16.5				
Ingress protection (front/back)	IP	65/54				
Pixel matrix per panel		192×384	168×336	128×256	104×208	60×120
Brightness control		255				
Gray scale	bit	14				
Frame rate	Hz	50/60				
Display refresh rate	Hz	3840/7680				
Input voltage	VAC	100~240				
Input power frequency	Hz	50~60				
Input power (Max.)	W/m ²	650±10%	650±10%	650±10%	650±10%	650±10%
Input power (Avg.)	W/m ²	227±10%	227±10%	227±10%	227±10%	227±10%
Operating temperature range	°C	-20~+45				
Lifetime (50% brightness)	Hours	100,000				