

DESAY



reddot design award 2024



RT Series

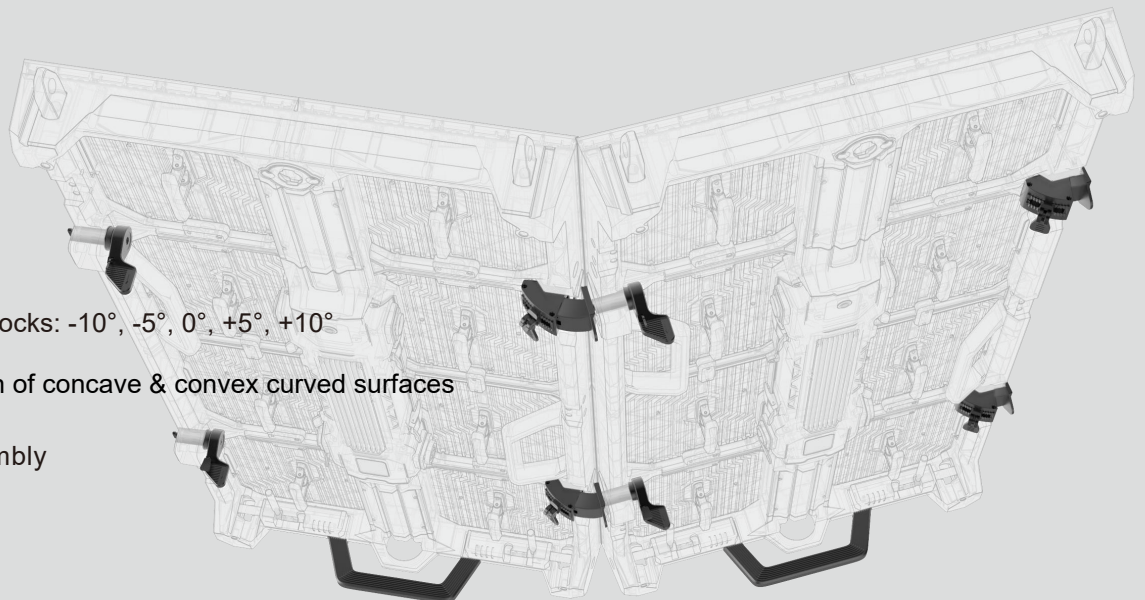
Next-Generation Outdoor
Rental & Touring LED Display

- Designed for rental & stage touring applications
- Refresh rate: up to 7,860Hz / 16-bit grayscale
- IP65 rated front & rear – fully weatherproof
- Supports concave & convex curved installation
- Touring frames & transport dollies are optional

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- Full front & rear serviceability
- Hot-swappable power boxes & modules
- Hub board with integrated fuses – multi-level protection
- Compact 250×250mm modules – lower replacement cost
- Independent power & signal ports – tool-free replacement



Optional five-angle curved locks: -10°, -5°, 0°, +5°, +10°

Enables 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: 459×100×50mm

2-in-1 dimension: 959×100×50mm

Dolly capacity: 12 panels per dolly

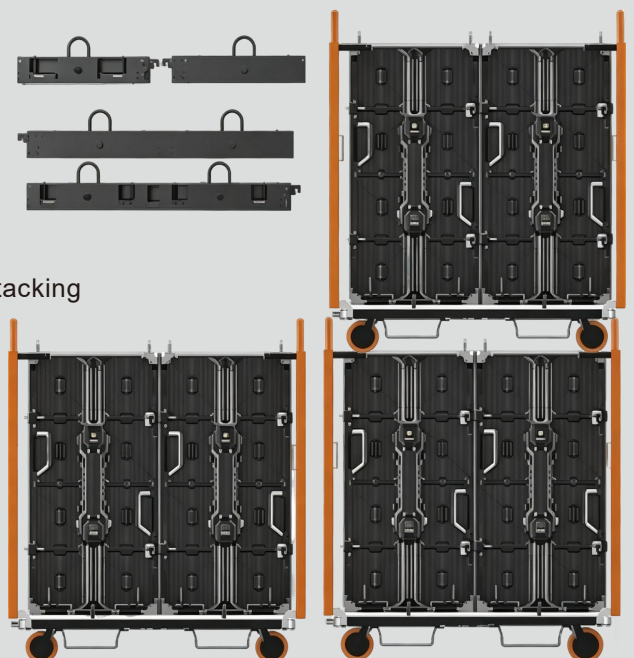
Industry standard trolley size, suitable for truck loading & double stacking

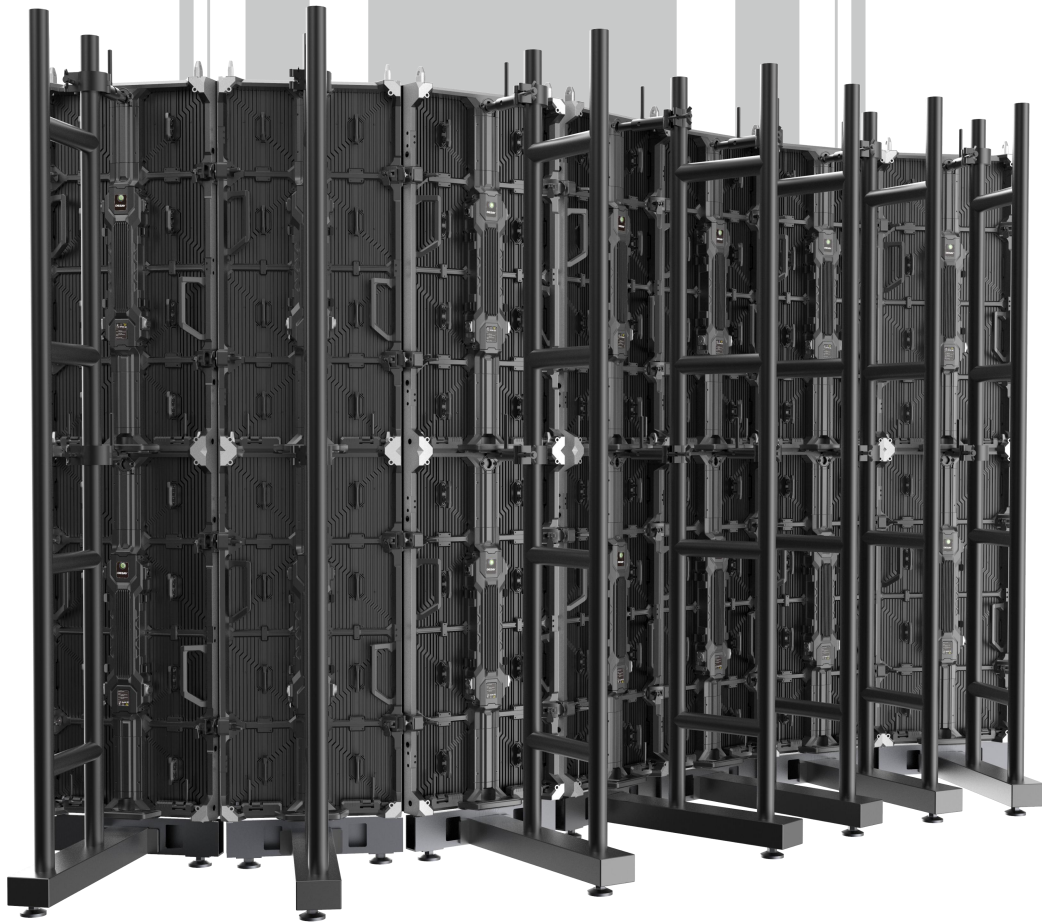
20ft container: 10 trolleys / 60m²

40ft container: 44 trolleys / 264m²

Transport dolly advantages

Dolly doubles as shipping packaging – vertical stacking & hoisting





Supports concave & convex stacking splicing

Stacking accessories

Ground beam specifications:

1-in-1: 480×50×100mm

2-in-1: 980×50×100mm

Touring frame

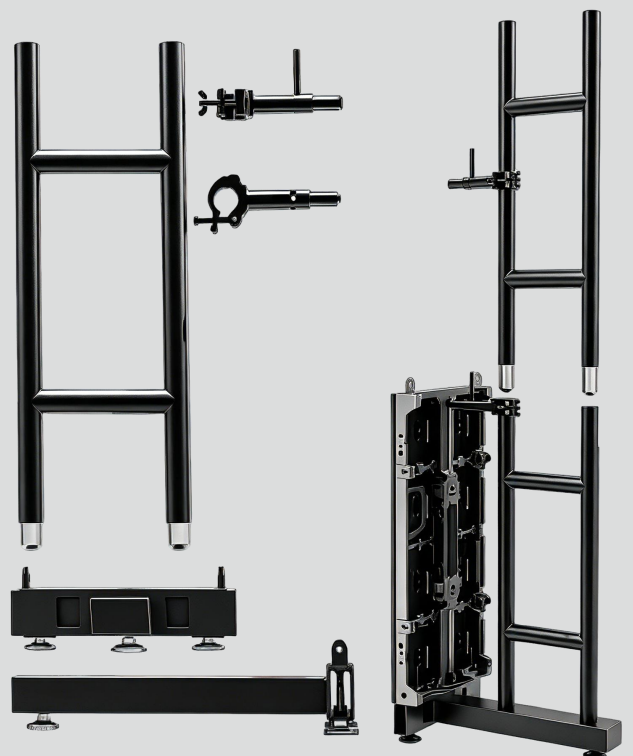
1-in-1: 500mm H×300mm W, pipe diameter 50mm

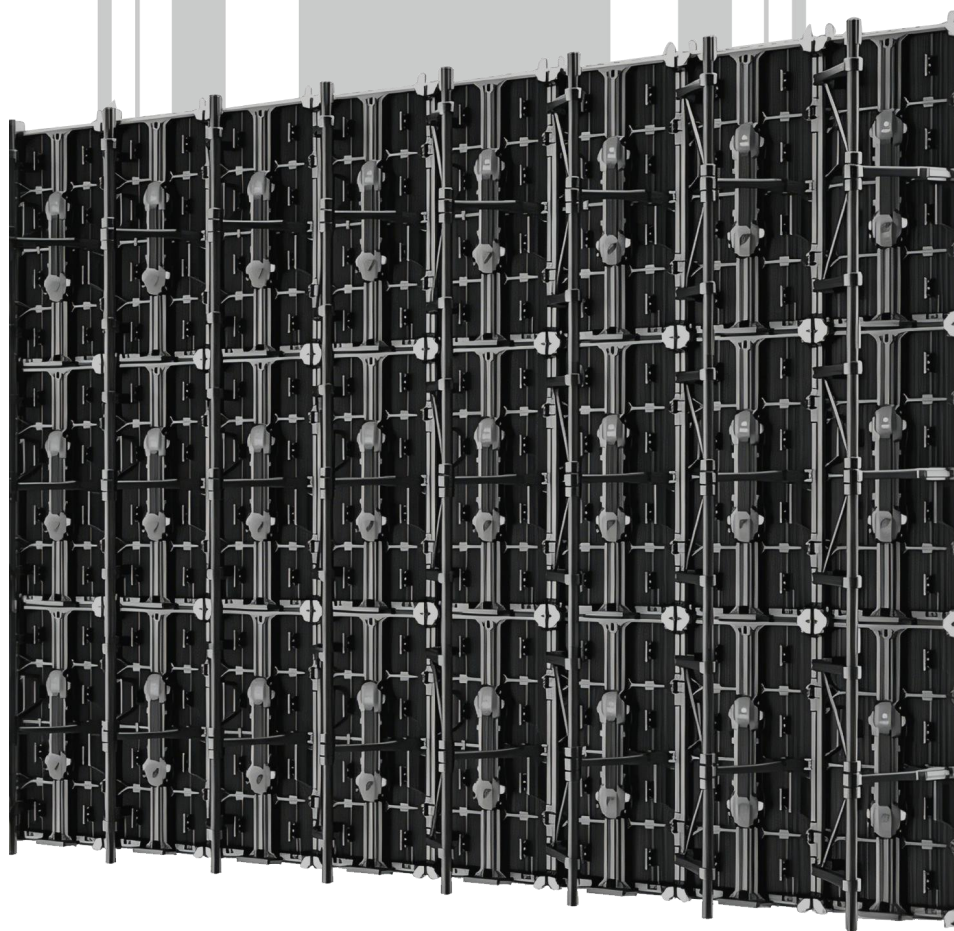
2-in-1: 1000mm H×300mm W, pipe diameter 50mm

Touring frame bracket:

700mm W×50mm D×100mm H

Touring frame quick lock

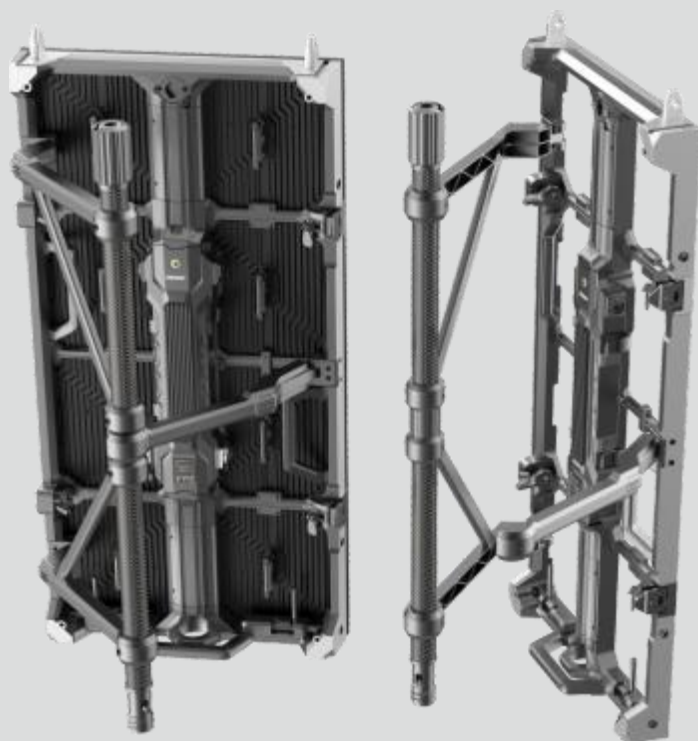




Touring frame facilitates large screen installation

Touring frame equipped with detachable ladder, wind resistance up to 20m/s

The RT series is designed for road touring use, shortening installation time for large outdoor projects





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



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



Data cable
Neutrik & Seetronic connectors optional

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



Power cable
Neutrik & Seetronic connectors optional

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

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-cast 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				
Power Consumption (Max.)	W/m ²	650±10%	650±10%	650±10%	650±10%	650±10%
Power Consumption (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				