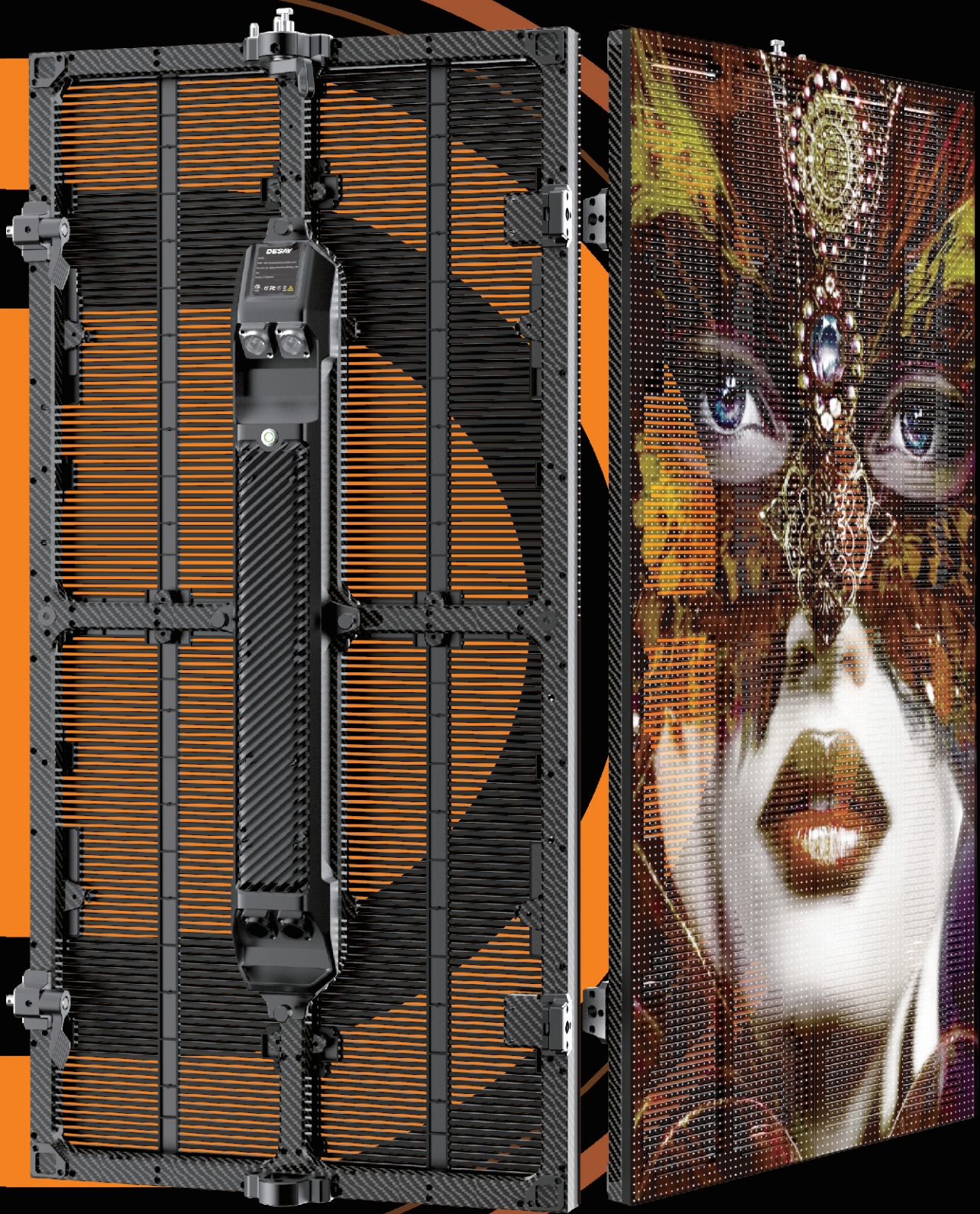
DESAY



iCarbon Series

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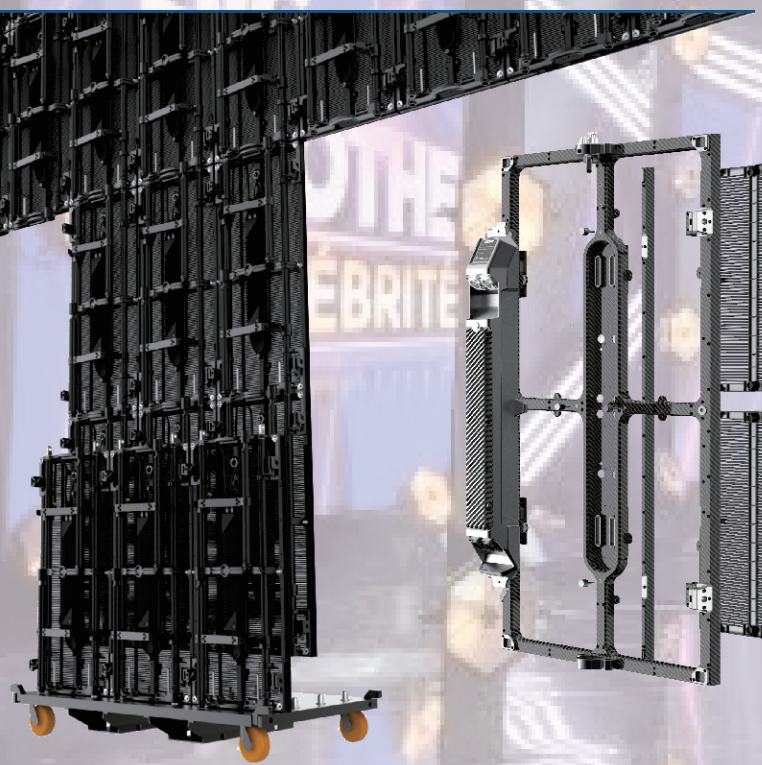
Specifications

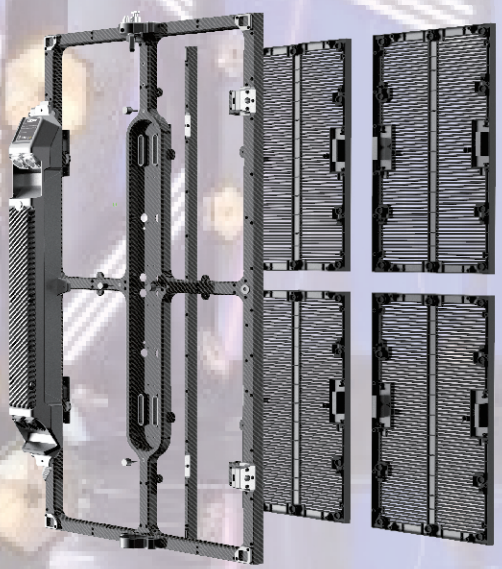
Parameter	Unit	iCarbon2.8i	iCarbon3.9i	iCarbon3.9	iCarbon4.8	iCarbon6.9	iCarbon8.9
Pixel pitch	mm	2.841	3.906	3.906	4.807	6.944	8.926
Brightness	nits	1000	1000	5000	5000	4000	3000
Pixel configuration	R/G/B	SMD 3 in 1					
Colour temperature	deg.K	6500					
Viewing angle-Horizontal (50% brightness)	deg.	140(+70/-70)				160(+80/-80)	
Viewing angle-Vertical (50% brightness)	deg.	140(+70/-70)		90(+35/-65)	70(+25/-45)	160(+80/-80)	
Recommended minimum viewing distance	m	2.8	4	4	5	7	9
Panel width	mm	500					
Panel heigh	mm	1000					
Panel depth	mm	80					
Panel area	m^2	0.5					
Panel material		Carbon fiber+Aluminum					
Panel weight	Kg	9.9	9.9	8.7	8.7	6.2	6.1
Transparency ratio	%	/	/	/	/	30/25	35/30
Ingress protection (front/back)	IP	40/40		65/65			
Pixel matrix per panel		176*352	128*256	128*256	104*208	72*144	56*112
Brightness control		255					
Gray scale	bit	14					
Frame rate	Hertz	50/60					
Display refresh rate	Hertz	3840					
Input voltage	VAC	100~240					
Input power frequency	Hertz	50~60					
Input power (Max.)	W/m^2	500±10%	500±10%	500±10%	500±10%	500±10%	500±10%
Input power (Avg.)	W/m^2	192±10%	175±10%	175±10%	175±10%	175±10%	175±10%
Operating temperature range	deg.C	- 10~+ 40		- 20~+ 45			
Lifetime (50% brightness)	Hours	100,000					

Features

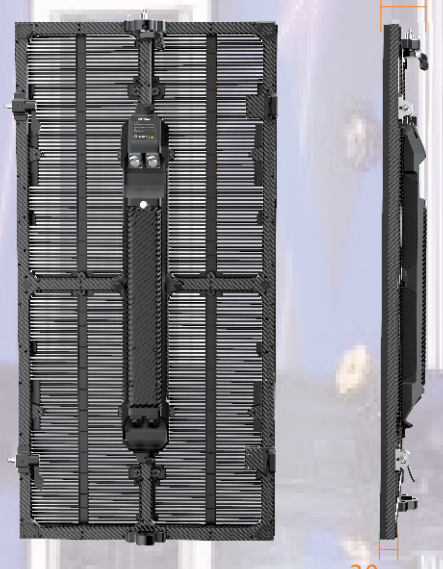
- Carbon fiber panel frame + magnesium alloy power box
- Modular design, easy maintenance
- Ultra-light, lightest weight version can reach 6.1kg/pc
- Ultra-slim 80mm
- The module is fixed using rear maintenance screws to ensure flatness
- High transparency ratio 35%
- High ingress protection level, IP65
- Hanging, stacking, touring frame with cart, multi-installation way
- High refresh rate, 7680Hz



Touring frame with cart



Modular design



Carbon fiber cabinet frame