

# Carbon Series

Innovational Design for Large Stage Solution



Ultra light  
Strong structure



Multiple  
shapes

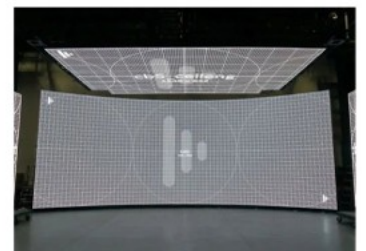


Improved heat  
dissipation



Performance  
innovation

## ► Various applications



Touring / Festivals / Immersive stage / Virtual production ceiling

All about stage - Carbon / Carbon SE - S:500×500mm,E:500×1000mm,X:Transparent 500×1000mm,Y:1000×1000mm

L:Transparent 1000×1000mm,A:Curveable 500×500mm,D:Sector 500×500mm,I:Triangle 500×500mm

# Innovational Mechanical Design

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## Ultra light, stronger structure

-Carbon panels offer 30% weight reduction compared to traditional panels, it is easier and faster to install and maintain, guaranteeing efficient servicing. and the reduced weight and easy handling will lower costs on transportation and labor.

## Heat dissipation

-Industrial heat dissipation design



# Multiple shapes

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# Successful stories

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## Carbon SE - P2.6mm | 150SQM | Immersive stage

Actors can interact directly with the led wall scenery, allowing them to get into character quickly, delivering an immersive experience to all audiences.



## Carbon - P1.9mm | 100SQM | Corporate event | Barcelona 2025

The company creating a working environment fit for future, making a jaw-dropping led screen and wow-worthy moment, and this highest-resolution led wall, capable of showing every single detail, were necessary for precise content creation.



## ► Technical specifications - Carbon SE

ITEM	PITCH	P1.5mm	P1.9mm	P2.6mm	P2.9mm	P3.9mm
<b>Key Function</b>	Technology	<b>Carbon fiber, Multiple shapes, Thermal simulation technology, Brompton system available</b>				
<b>Mechanical</b>	LED Type	SMD1010	SMD1515	SMD1515	SMD1415	SMD1921
	Pixel Density(dot/m <sup>2</sup> )	410,913	262,984	147,474	113,367	65,410
	Module Size (W x H) (mm)	250mm x 250mm	500mm x 250mm			
	Module Resolution (W x H) (pixels)	160 x 160	256 x 128	192 x 96	168 x 84	128 x 64
	Panel Size (W x H) (mm)	500mm x 500mm (19.66" x 19.66")				
	Panel Resolution (W x H) (pixels)	320 x 320	256 x 256	192 x 192	168 x 168	128 x 128
	Panel Material	Carbon fiber + Die-casting aluminum				
	Panel Weight	5.3KG			5.5KG	
	Service	F/R			F/R	
	IP Rating	Indoor IP21			IP67 (front/rear)	
<b>Optical</b>	Brightness	700nits	800nits	800nits	4000nits (white leds)	
	Brightness	/	/	/	3000nits (black leds)	
	Refresh Rate	3840 ~7680Hz			3840 ~ 7680Hz	
	Color Temperature	6500K ± 500K			9000K ± 500K	
	Power Consumption (Avg./Max.)	200W / 500W			240W / 720W	
	Supported Frame Rate				50/60Hz	
	Grey Level				14~16bit	
	View Angel (H/V) (°)				160/160	
	Input(V)				110-220V, 50-60Hz	
	Operating Temp/Humidity				-20 ~ 50 °C/ 10% ~ 90%	
Certification	ETL/FCC/CE/CCC					

Remarks: The parameters are only for reference. The actual parameters may differ depending on the specific order.

## ► Technical specifications - Carbon

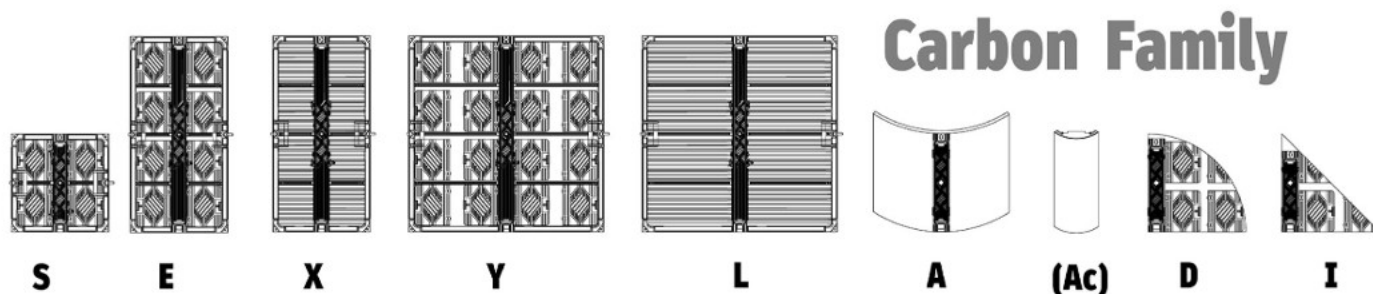
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	Panel Material	Carbon fiber + Die-casting aluminum				
	Panel Weight	5.3KG			5.5KG	
	Service	F/R			F/R	
	IP Rating	F:IP43, R:IP21			IP67 (front/rear)	
<b>Optical</b>	Brightness	800nits	800nits +	1000nits +	4500nits (white leds)	
	Brightness	/	/	/	3500nits (black leds)	
	Refresh Rate	7680Hz			7680Hz	
	Color Temperature	6500K ± 500K			9000K ± 500K	
	Power Consumption (Avg./Max.)	200W / 500W			240W / 720W	
	Supported Frame Rate	30   60   100   120   144   240Hz (exclusively supported by the custom firmwares of A10s Pro & IC.)				
	Grey Level				16bit	
	View Angel (H/V) (°)				160/160	
	Input(V)				110-220V, 50-60Hz	
	Operating Temp/Humidity				-20 ~ 50 °C/ 10% ~ 90%	
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# WE HAVE MORE!



## Accessories



Bass Truss



Rear Brige



Data adaptor



Hanging beam



Flight case (1 for 10panels)  
- 20GP - 142.5SQM, 40GP-315SQM

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