



CNC-Flex Series

INDOOR CREATIVE LED DISPLAY

PRODUCT OVERVIEW



Multi-form Cabinet

Flat cabinet, concave cabinet, convex cabinet, edge-cut cabinet.



Compatible With Multiple Display Panels

COB, SMD, MIP options.



Smooth Curve

Die casting aluminum frame with CNC machining for perfect curves.



Redundancy Design

Dual receiving card and power supply options.



Hard link

Module hard link design, no cables connect, enhance stability.

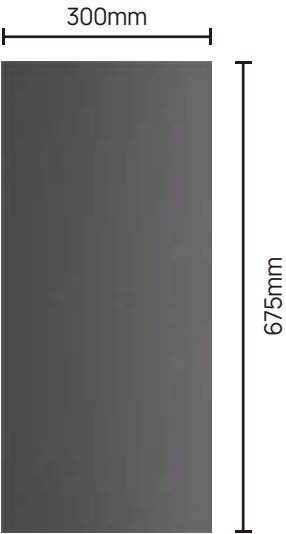


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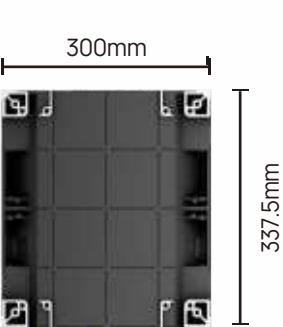
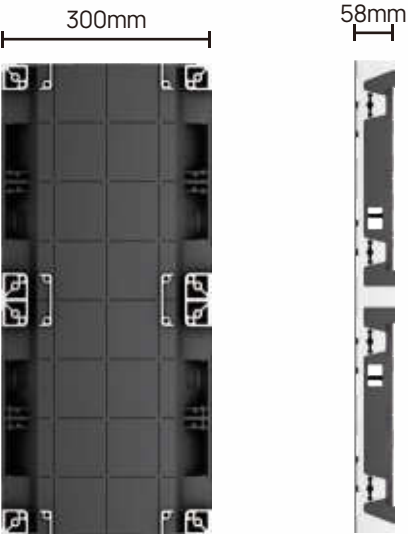
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PRODUCT SIZE



Full size cabinet



Half size cabinet

PRODUCT FORM



Flat screen



Right angle(90° splicing)



Convex



Concave



Flat+curve

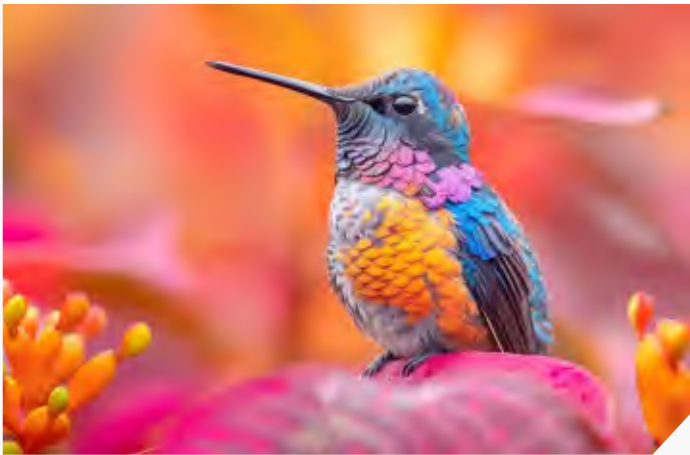


Flat+curve+flat



High Gray Level

16-bit grayscale provides smooth transitions and enhances image detail.



High Contrast Ratio

High contrast enhances the image's colors, making it more vibrant and dynamic.



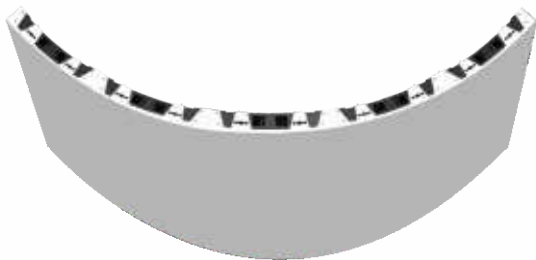
GOB High Protection

Surface treatment with GOB coating, providing surface water- resistant, dust-resistant, impact-resistant and anti-static.



- Anti-collision
- Anti-oxidation
- Moisture-resistant
- Anti-static
- Easy clean

LP display Flex series VS Other company



LP display CNC-Flex series

CNC machining of die-cast aluminum enclosures, with customizable curves, high accuracy in curvature, uniform curve transitions, and good smoothness.

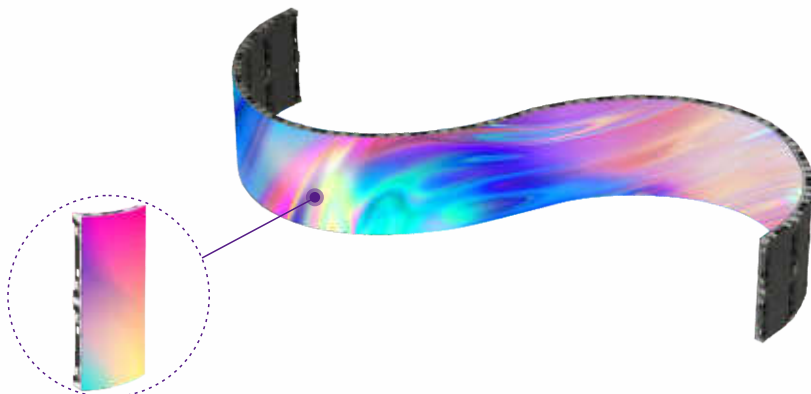


Other company

Using narrow strip enclosures to piece together curves, ultimately forming a diamond-shaped surface, results in uneven curve transitions, which can easily lead to shadow color differences and poor consistency.

Smooth Curve

CNC five-dimensional processing is used to create curved surfaces on die-cast aluminum cabinets, along with soft and flexible PCBs and high-precision customized CNC angle connection plates, to deliver excellence.



Die cast aluminum curve cabinet



Custom angle CNC machined aluminum plate

Custom angle CNC machined aluminum plate work with curve cabinet ensures high accuracy in joint angles, good flatness, and a uniform curved transition

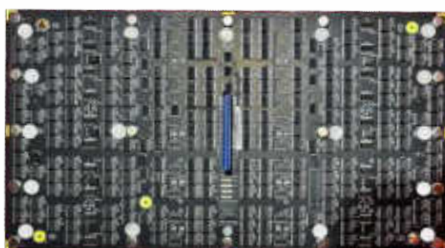
Circular Display

Minimum diameter 1145.9mm, consisting of 12 cabinets arranged to form a circular display.



Module Hard Link

Compared to traditional soft modules, Flex series module just uses a hard link interface connect to HUB board, without ribbon cable and power cables, which reduces the failure rate of the wiring and improves stability.



A simple and lightweight module with a single interface that supports hot-swapping, making maintenance quick and convenient.



SPECIFICATION

Categories	Model	P12	P15	P18	P25
Physical Parameters	Pixel Pitch(mm)	1.25	1.56	1.875	2.5
	Pixel Configuration	SMD			
	Pixel Density (dots/m ²)	640,000	409,600	284,444	160,000
	Cabinet Size (W×H×D)	300×675×58mm			
	Cabinet Resolution (W×H)	240x540	192x432	160x360	120x270
	Cabinet Material	Die-cast aluminum			
	Module Size (W×H)	300 × 168.75 mm			300 × 337.5 mm
	Weight	5.7kg/cabinet			
Optical Parameters	Viewing Angle	160°(V)/160°(H)			
	Brightness (cd/m ²)	600	600	600-800	600-800
	Brightness Uniformity	≥98%			
	Contrast Ratio	7,000 : 1			
	Refresh Rate	3,840HZ			
	Gray Scale	14 bit			
	Color Calibration	Pixel to Pixel			
	Color Temperature	2,000~10,000K			
Electrical Parameters	A.C. Inputs	100 ~ 240 V			
	Frame Rate	50 / 60 hz			
	Power Consumption (Max.)	≤500W/m ²	≤500W/m ²	≤400W/m ²	≤400W/m ²
	Power Consumption (Avg.)	≤170W/m ²	≤170W/m ²	≤130W/m ²	≤130W/m ²
	Redundancy	Optional			
Application	Serviceability	Front			
	Operation Temperature	-10°C ~ 40°C			
	Operation Humidity	10% ~ 85%RH			
	Ingress Protection	IP20 rear / IP 40 front			
	Exterior/Interior	Interior			
	Lifespan	100,000 hrs			
Others	Certificates	CE, FCC, CB , ETL			
	Packing	Wooden box			

Categories	Model	P06	P07	P09	P12	P15	P18
Physical Parameters	Pixel Pitch	0.625	0.78125	0.9375	1.25	1.5625	1.875
	Pixel Configuration	COB					
	Pixel Density (dots/m²)	2,560,000	1,638,400	1,137,778	640,000	409,600	284,444
	Cabinet Size (W×H×D)	300*675*58mm					
	Cabinet Resolution (W×H)	480x1080	384x864	320x720	240x540	192x432	160x360
	Cabinet Material	Die-cast aluminum					
	Module Size (W×H)	150x168.75 mm		300x168.75 mm			
	Weight	5.7 kg/cabinet					
Optical Parameters	Viewing Angle	170°(V) 170°(H)					
	Surface Treatment	Black matte					
	Brightness (cd/m²)	800-1000					
	Brightness Uniformity	≥98%					
	Contrast	15,000 : 1					
	Refresh Rate	3840-7680Hz					
	Gray Scale	14~ 16 bit					
	Color Calibration	Pixel to Pixel					
	Color Temperature	2000~10000K					
	Color Gamut	≥97% DCI-P3 optional					
	HDR	HLG/HDR /HDR 10+					
Electrical Parameters	A.C. Inputs	100~240V					
	Frame	50/60hz					
	Power Consumption (Max.)	300-450 W/m²					
	Power Consumption (Avg.)	100-150 W/m²					
	Redundancy	Optional(receiving card)					
Application	Serviceability	Front					
	Operation Temperature	-10℃ ~ 40℃					
	Operation Humidity	10% ~ 90%RH					
	Ingress Protection	IP54 front/IP20 rear					
	Exterior/Interior	Interior					
	Lifespan	100,000 hrs					
Others	Certificates	CE, FCC, CB , ETL					
	Packing	Wooden box					

Categories	Model	P09	P12	P15	P18	P25	P37
Physical Parameters	Pixel Pitch	0.9375	1.25	1.5625	1.875	2.5	3.75
	Pixel Configuration	MIP					
	Pixel Density (dots/m ²)	1,137,778	640,000	409,600	284,444	160,000	71,111
	Cabinet Size (W×H×D)	300x675x58mm					
	Cabinet Resolution (W×H)	320x720	240x540	192x432	160x360	120x270	80x180
	Cabinet Material	Die-cast aluminum					
	Module Size (W×H)	300x168.75 mm				300 × 337.5 mm	300 × 168.75 mm
	Weight	5.7 kg/cabinet; 28kg/m ²					
Optical Parameters	Viewing Angle	170°(V)/170°(H)					
	Surface Treatment	Black matte					
	Brightness (cd/m ²)	1,000					
	Brightness Uniformity	≥98%					
	Contrast Ratio	20,000 : 1					
	Refresh Rate	3840-7680Hz					
	Gray Scale	14~ 16 bit					
	Color Calibration	Pixel to Pixel					
	Color Temperature	2,000~10,000K					
	Color Gamut	≥97% DCI-P3 options					
	HDR	HLG / HDR / HDR 10+					
Electrical Parameters	A.C. Inputs	100~240V					
	Frame Rate	50/60hz					
	Power Consumption (Max.)	450 W/m ²	450 W/m ²	450 W/m ²	450 W/m ²	450 W/m ²	450 W/m ²
	Power Consumption (Avg.)	150 W/m ²	150 W/m ²	150 W/m ²	150 W/m ²	150 W/m ²	150 W/m ²
	Redundancy	Optional					
Application	Serviceability	Front					
	Operation Temperature	-10°C ~ 40°C					
	Operation Humidity	10% ~ 85%RH					
	Ingress Protection	IP54 front/IP20 rear					
	Exterior/Interior	Interior					
	Lifespan	100,000 hrs					
Others	Certificates	CE, FCC, CB , ETL					
	Packing	Wooden box					





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