

F Series -FC_{COB}



Product Description:

COB LED display is an emerging display technology, and COB stands for Chip-on-Board. Compared with the traditional SMD (Surface Mount Device) packaging method, COB technology has many advantages in the field of LED displays.

Product Features:

Ultimate Display Featuring

10000:1 contrast ratio, and 13 bit native grayscale

Ultra-wide Viewing Angle

With excellent side display effect at horizontal 160°, vertical 160°.

Ultra-thin design

COB LED screens use COB packaging technology, which can package LED lamp beads in a very small space, thereby achieving an ultra-thin screen design.

Wear-resistant and easy to clean

The COB LED screen has a smooth and hard surface, which is impact-resistant and wear-resistant. If there is dust on the screen, just wipe it with a cloth to clean it.

High protection

COB LED display is anti-collision, moisture-proof, dust-proof, anti-oxidation and anti-static.

Customizable

It can be customized according to customers' needs to adapt to various application scenarios and design requirements.

Applications:

Widely used in private cinemas, lecture halls, conference rooms, concert halls, traffic command halls, XR virtual shooting, data centers and other scenes.

Main Technical Specifications:

Classification	Name	Demand			
Technical parameter	Pixel Pitch (mm)	FC-P0. 9375	FC-P1. 25	FC-P1. 5625	FC-P1.875
	Pixel Density (pixels/m²)	1137777	640000	409600	284444
	LED Packaging Type	COB	COB	COB	COB
	Pixel Composition	1R1G1B	1R1G1B	1R1G1B	1R1G1B
	Module Composition	8	8	8	8
	Module Size (mm)	150*168.75	150*168.75	150*168.75	150*168.75
	Module Flatness (mm)	≤0.5	≤0.5	≤0.5	≤0.5
	Module Resolution (Pixel)	160*180	120*135	96*108	80*90
	Pixel Resolution (Pixel)	640*360	480*270	384*216	320*180
	Module surface technology	Matte fog finish	Matte fog finish	Matte fog finish	Matte fog finish
	Scanning Mode (S)	45	45	54	40
	Refresh Rate (Hz)	≥7680	≥7680	≥7680	≥7680
	Frame Rate (Hz)	60	60	60	60
	Gray Level	13	13	13	13
	Cabinet Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
	Cabinet Weight (KG/PCS)	≤4.5	≤4.5	≤4.5	≤4.5
	Cabinet Size (mm)	600*337.5	600*337.5	600*337.5	600*337.5
	Cabinet Thickness (mm)	≤29	≤29	≤29	≤29
	IP Rate	IP54 (surface can be cleaned with water)	IP54 (surface can be cleaned with water)	IP54 (surface can be cleaned with water)	IP54 (surface can be cleaned with water)
	Maintenance Mode	Front maintenance	Front maintenance	Front maintenance	Front maintenance
Optical characteristic	Brightness (nits)	600	600	600	550
	Color Temperature (K)	9300K (standard)	9300K (standard)	9300K (standard)	9300K (standard)
	View Angle	Horizontal≥ 160°, vertical≥ 160°	Horizontal> 160°, vertical≥ 160°	Horizontal> 160°, vertical≥ 160°	Horizontal> 160°, vertical≥ 160°
	Contrast Ratio	10000: 1 (without ambient light)	10000: 1 (without ambient light)	10000: 1 (without ambient light)	10000: 1 (without ambient light)

Main Technical Specifications:

Electrical parameter	Circuit scheme	Common cathode circuit	Common cathode circuit	Common cathode circuit	Common cathode circuit
	Input Voltage (V)	100~240V	100~240V	100~240V	100~240V
	Maximum Power Consumption (W/㎡)	350W	320W	320W	320W
	Average Power Consumption (W/㎡)	170W	170W	170W	170W
	Flash correction storage	Yes	Yes	Yes	Yes
Usage parameter	Operating Environment (°C/%RH)	-10-40/10%-90%	-10-40/10%-90%	-10-40/10%-90%	-10-40/10%-90%
	Storage Environment (°C/%RH)	-20-60/10%-90%	-20-60/10%-90%	-20-60/10%-90%	-20-60/10%-90%
	Certification	3C,EMC CLASS-A, ROHS	3C,EMC CLASS-A, ROHS	3C,EMC CLASS-A, ROHS	3C,EMC CLASS-A, ROHS

Cabinet Size

