

COB Ultra Fine Pitch LED Panel



What is COB?

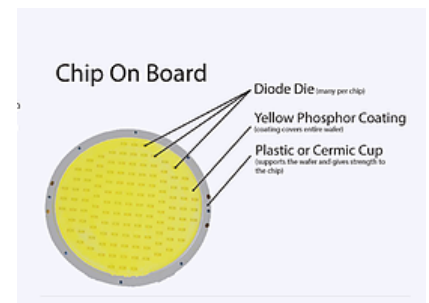
COB (Chip on board) is a different chip encapsulation technology, all chips directly integrated packaged on the special PCB board.



Advantage of COB

Wide viewing angle, high color uniformity, high contrast, high power efficiency etc., are the clichés features of traditional led technology. The biggest advantage of COB on top including high protection performance like collision avoidance, moisture proof and dust proof, in short, higher environmental adaptability. Unlike GOB (Glue on board), this led coating technology protect the panel at pixel level.

The manufacturing process of COB does not use electroplating, reflow soldering or mounting, and thanks to the COB LED enhanced circuitry, optical and thermal design, the dead pixel rate is much less than that in a conventional LED display.



Same as traditional Ultra Fine Pitch LED Panel, it has a 27" diagonal in a 16:9 aspect ratio which allows most common formats in full without compression. Thanks to the cable free, modulate and front maintenance design, it can largely reduce the downtime of the LED wall.

Mega 5 offer COB Ultra Fine Pitch LED Panel in pitch 0.9375, 1.25, 1.5625, 1.9. It is suitable to use in cinema, exhibition hall and command center etc.

Specification of Mega5 COB Fine Pitch LED Panel

Model	COB-0.93	COB-1.25	COB-1.56	COB-1.9
Modules				
Pitch	0.9375mm	1.25mm	1.5625mm	1.9mm
Module Resolution	320 (W) x 360(H)	240 (W) x 270(H)	192 (W) x 216(H)	160 (W) x 180 (H)
Module Size	300mm x 337.5mm			304 mm x 342 mm
Color Temperature	3200K-9300K adjustable			
Panel				
Resolution	640 x 360	480 x 270	384 x 216	320 x 180
Dimension	600mm x 337.5mm x 80mm			608mm x 342mm x 80mm
Weight	9.5KG			7KG
Refresh Rate	3840 HZ			
Brightness Uniformity	98%			
Contrast	10000:1			6000 : 1
Viewing Angle	170°			
Peak Power Consumption	<650W/m2			
Average Power Consumption	<260W/m2			
Operating temperature/humidity	-20~60°C / 10%~85% RH			