



Elves COB Series

FULL FLIP CHIP INDOOR FINE PITCH FIXED LED DISPLAY

- Available in 0.62, 0.78, 0.93, 1.25, 1.56, 1.87mm pixel pitch,
- Easy to upgrade the screen, only need to replace the module, the other materials are keep using
- Flip chip Common cathode design for better energy saving, great savings on electricity costs
- Integrated cableless design for safety and fast maintenance
- Super slim cabinet with thickness only 28mm, low space requirement of installation and saving more transportation cost of container
- High protection, moisture-proof, dustproof, antistatic and anti-collision
- Light weight design, reduce labor cost during installation



Multiple cabinet size options



42A
420*270mm



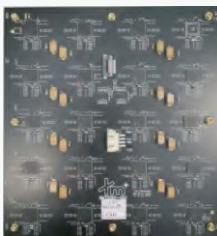
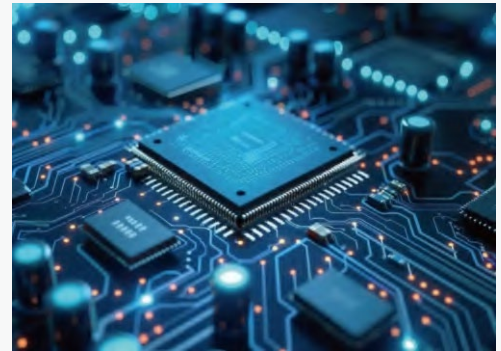
63J
600*337.5mm



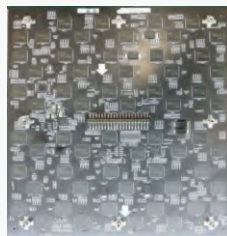
54" MEGA
1200*675mm

Configured with the Most Advanced Drive IC

- ▲ Common cathode PWM constant current driver IC, energy saving.
- ▲ Precise current control, Perfect solution to cross-board coupling and chromatic aberration.
- ▲ Fine low gray calibration with 3ns pulse width.
- ▲ High gray level 16bit, work with control system can be 22bit+ color processing depth.



LP Display

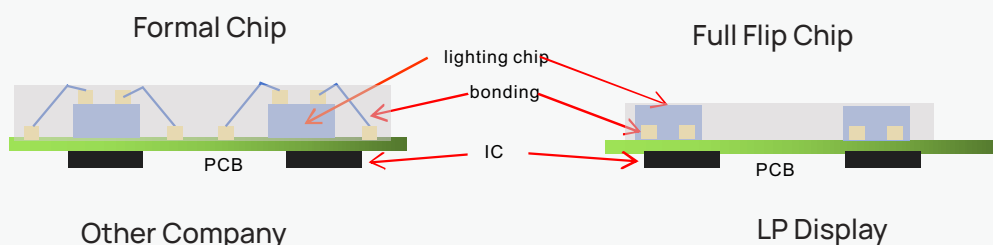


Other Company

- ▲ Large channel design chips, less chips less cost.
- ▲ Same size, fewer chips, less heat generation.
- ▲ Helps improve life and stability.

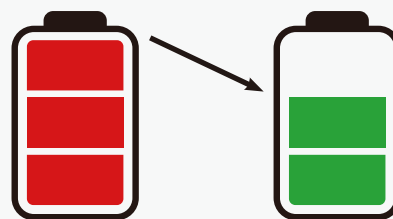
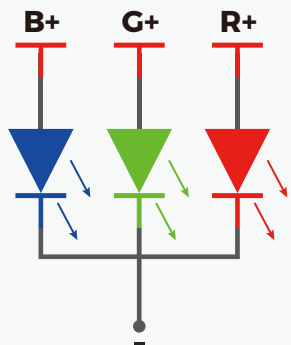
Full Flip Chip COB Panel

- ▲ Full flip chip, no welding pad block, high luminous efficiency, and wider view angle.
- ▲ No welding wire, reduce the failure rate of the lamp bead.
- ▲ Light-emitting chip direct contact with the PCB, which improves heat dissipation.



Common Cathode Design

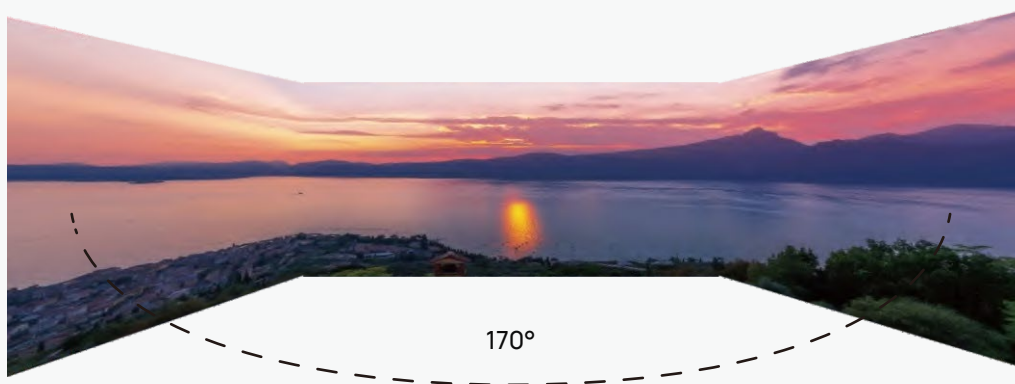
Product use common cathode design to reduces heat generation, lower screen temperature, improves stability and longevity.



30% Reduce

Wider View Angle

Flip chip COB makes wider view angle 170°/170°.



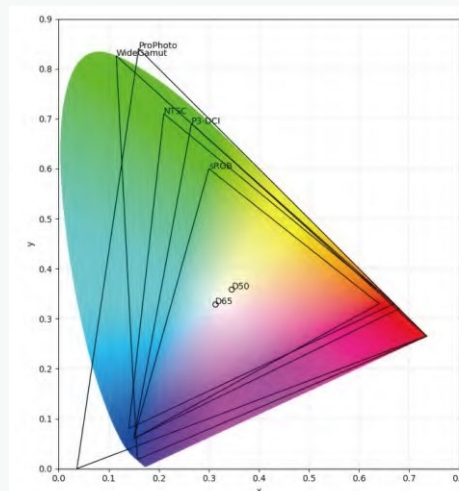
Super high contrast ratio

20,000:1 ultra high contrast ratio make the effect more vivid



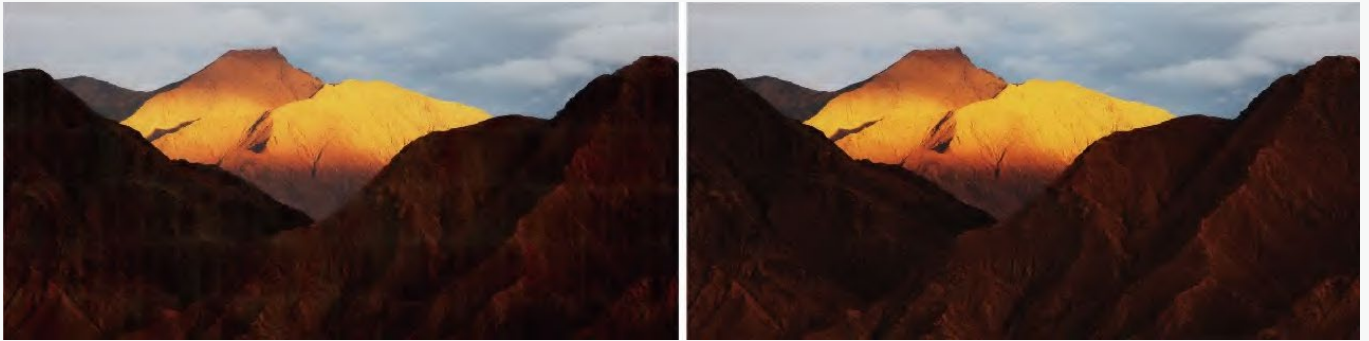
Wide color gamut

DCI-P3 color gamut optional



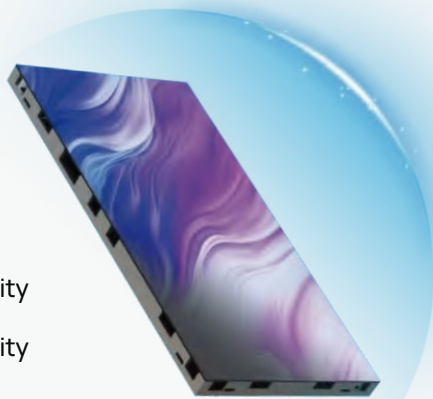
Multi-layer full gray scale calibration

Calibration under various brightness conditions to ensure good consistency whether it is high or low brightness



COB package Protection

- Anti-collision
- Anti-oxidation
- Anti-finger prints
- Moisture-resistant
- Anti-static electricity
- Anti-static electricity



Light weight design

light weight design, save your labor cost during installation



90° splicing options

Cabinet can be cut 45 degrees beveled edge, splicing right-angle screen and column screen



Super slim video wall

Cabinet install with bracket whole screen thickness only 44.8mm against the wall



Semi outdoor apply optional

3500nits high brightness version can be used for semi outdoor application like: shopwindow, platform, road indicator



Specification

Categories	Model	42A07	42A10	42A12	42A15
Physical Parameters	Pixel Pitch	0.75mm	1.0mm	1.25mm	1.5mm
	Pixel Configuration	COB	COB	COB	COB
	Pixel Density (dots/m²)	1,777,778	1,000,000	640,000	444;444
	Cabinet Size (W×H×D)	480 x270 x28	480 x270 x28	480 x270 x28	480 x270 x28
	Cabinet Resolution (W×H)	640 x360	480 x270	384 x216	320 x180
	Cabinet Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
	Module Size (W×H)	120 x135mm	120 x135mm	120 x135mm	120 x135mm
	Weight	2.5 kg/cabinet; 19.3kg/m²			
Optical Parameters	Viewing Angle	170°(V) 170°(H)			
	Surface Treatment	Black matte			
	Brightness (cd/m²)	800-1000			
	Brightness Uniformity	≥98%			
	Contrast	20,000 : 1			
	Refresh Rate	3840hz			
	Gray Scale	14~ 16 bit			
	Color Calibration	Pixel to Pixel			
	Color Temperature	2000~10000K			
	Color Gamut	≥97% DCI-P3			
	HDR	HLG /HDR /HDR 10+			
Electrical Parameters	A.C. Inputs	100 ~ 240 V	100 ~ 240 V	100 ~ 240 V	100 ~ 240 V
	Frame	50 / 60 hz	50 / 60 hz	50 / 60 hz	50 / 60 hz
	Power Consumption (Max.)	500 W/m²	400 W/m²	400 W/m²	400 W/m²
	Power Consumption (Avg.)	170 W/m²	133 W/m²	133 W/m²	133 W/m²
	Redundancy	Optional			
Application	Serviceability	Front	Front	Front	Front
	Operation Temperature	-10°C ~ 40°C	-10°C ~ 40°C	-10°C ~ 40°C	-10°C ~ 40°C
	Operation Humidity	10% ~ 85%RH	10% ~ 85%RH	10% ~ 85%RH	10% ~ 85%RH
	Ingress Protection	IP54 front/IP20 rear			
	Exterior/Interior	Interior			
	Lifespan	100000 hrs			
Others	Certificates	CE, FCC, CB , ETL	CE, FCC, CB , ETL	CE, FCC, CB , ETL	CE, FCC, CB , ETL
	Packing	Wooden box	Wooden box	Wooden box	Wooden box

Categories	Model	63J06	63J07	63J09	63J12	63J15	63J18
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)	600*337.5*28mm					
	Cabinet Resolution (W×H)	960x540	768x432	640x360	480x270	384x216	320x180
	Cabinet Material	Die-cast aluminum					
	Module Size (W×H)	150x168.75 mm		150x168.75 mm/300x168.75 mm			
	Weight	4.6 kg/cabinet; 23kg/m²					
Optical Parameters	Viewing Angle	170°(V) 170°(H)					
	Surface Treatment	Black matte					
	Brightness (cd/m²)	1000					
	Brightness Uniformity	≥98%					
	Contrast	20,000 : 1					
	Refresh Rate	3840-7680Hz					
	Gray Scale	14~ 16 bit (22bit)					
	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.)	350 W/m²					
	Power Consumption (Avg.)	110 W/m²					
	Redundancy	Optional					
Application	Serviceability	Front					
	Operation Temperature	-10°C ~ 40°C					
	Operation Humidity	10% ~ 90%RH					
	Ingress Protection	IP54 front/IP20 rear					
	Exterior/Interior	Interior					
	Lifespan	100000 hrs					
Others	Certificates	CE, FCC, CB , ETL					
	Packing	Wooden box					

Categories	Model	C6J06	C6J07	C6J09	C6J12	C6J15	C6J18
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)	1200*675*28mm					
	Cabinet Resolution (W×H)	1920x1080	1536x864	1280x720	960x540	768x432	640x360
	Cabinet Material	Die-cast aluminum					
	Module Size (W×H)	150x168.75 mm		150x168.75 mm/300x168.75 mm			
	Weight	18.6kgs/cabinet; 23kgs/m²					
Optical Parameters	Viewing Angle	170°(V) 170°(H)					
	Surface Treatment	Black maette					
	Brightness (cd/m²)	1000					
	Brightness Uniformity	≥98%					
	Contrast	20,000 : 1					
	Refresh Rate	3840-7680Hz					
	Gray Scale	14~ 16 bit (22bit)					
	Color Calibration	Pixel to Pixel					
	Color Temperature	2000~10000K					
	Color Gamut	≥97% DCI-P3 optional					
	HDR	HLG / HDR I/HDR 10+					
Electrical Parameters	A.C. Inputs	100~240V					
	Frame	50/60hz					
	Power Consumption (Max.)	350 W/m²					
	Power Consumption (Avg.)	110 W/m²					
	Redundancy	Optional					
Application	Serviceability	Front					
	Operation Temperature	-10°C ~ 40°C					
	Operation Humidity	10% ~ 90%RH					
	Ingress Protection	IP54 front/IP20 rear					
	Exterior/Interior	Interior					
	Lifespan	100000 hrs					
Others	Certificates	CE, FCC, CB , ETL					
	Packing	Wooden box					

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