



# GUARD Series

Indoor Full Flip Chip Common Cathode LED Display

## PRODUCT OVERVIEW



### 5G Large Bandwidth Capability

Improve data transmission efficiency and reduce data cable quantity.



### Cold Screen

Full flip chip common cathode design make a cold screen.



### Frequency Frame Adaptation

Automatically adapts to video inputs with different frame rates ranging from 23Hz to 240Hz, and supports custom frame rates up to 0.01 Hz in steps.



### More stable with redundancy

Dual receiving card and power supply options for more safety application.

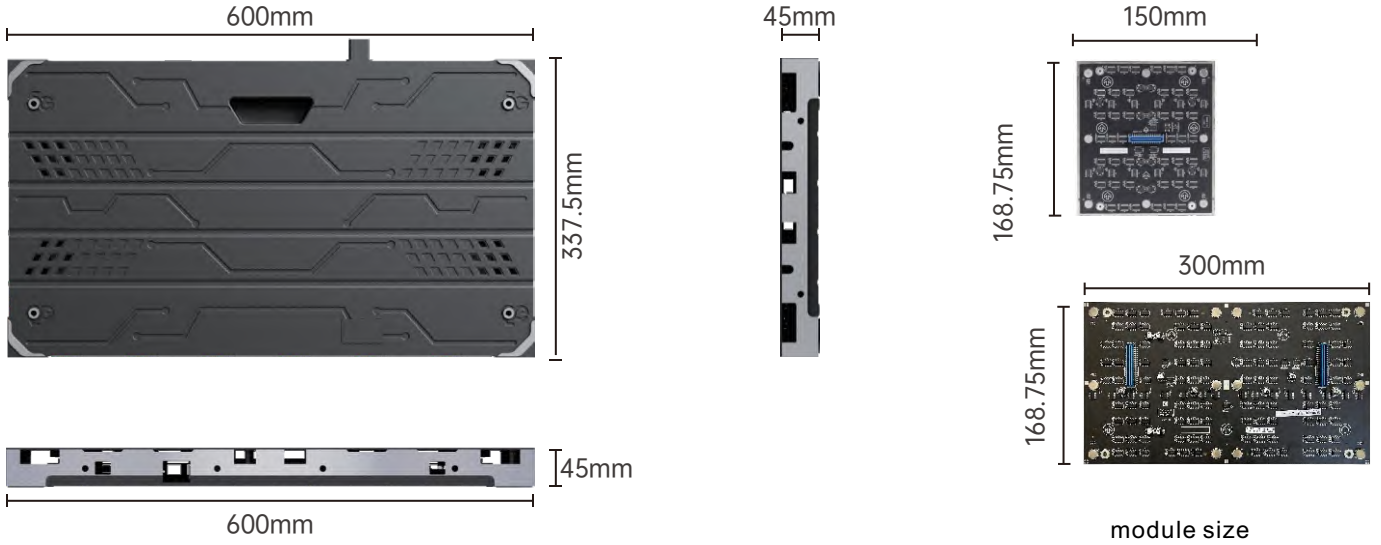


### Comprehensive High-Protection Features

Moisture, dust, static, and collision resistant with COB package.



# PRODUCT DIMENSION



# PRODUCT FEATURES

## 5G Large Bandwidth Capability

The Guard Series offers advanced 5G transmission and control technology, specifically designed for Mini or Micro LED displays with high pixel density. Same resolution video wall with 5G control system can greatly reduce data cable quantity and wiring work, reduce the failure rate, make the work much simpler.

4k video wall



4pcs data cable



5G controller

4k video wall



16pcs data cable



1G controller

## High Contrast Ratio

20000:1 high contrast ratio make the video wall bright and vivid.



## Dual Engines for Stunning Image Quality

Equipped with Image Quality Engine 2.0 and a new Dynamic Engine technology, it achieves ultimate enhancement in picture detail and dynamic contrast, bringing display images to life with stunning clarity and charm.



Image Booster

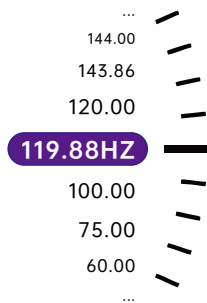


Dynamic Booster



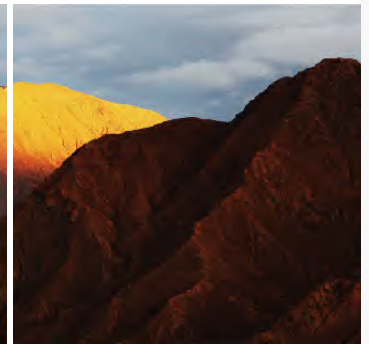
## Intelligent Frame Rate Adaptive Switching

Automatically adapt to video inputs with different frame rates and support custom frame rates.



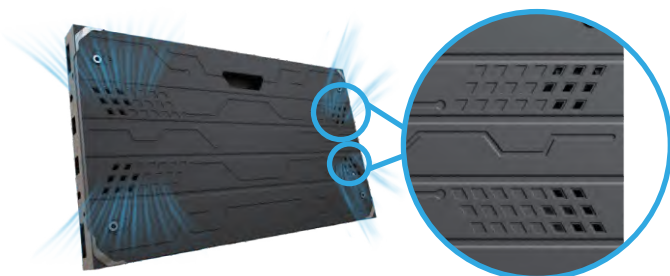
## Multi-Layer Calibration

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



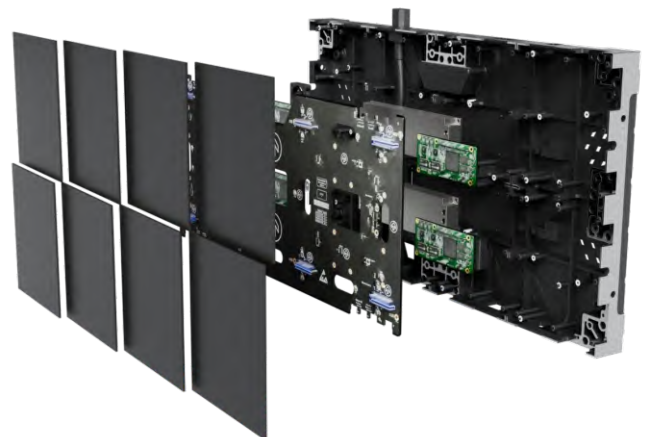
## Better Heat Dissipation

Cabinet rear cover designed with heat dissipation hole, helps to heat dissipation and improve stability.



## Redundant

Dual power supply and receiving card redundant.



# SPECIFICATION



Categories	Model	63Q06	63Q07	63Q09	63Q12	63Q15	63Q18
Physical Parameters	Pixel Pitch	0.625	0.78125	0.9375	1.25	1.5625	1.875
	Pixel Configuration	COB					
	Pixel Density (dots/m <sup>2</sup> )	2,560,000	1,638,400	1,137,778	640,000	409,600	284,444
	Cabinet Size (W×H×D)	600*337.5*45mm					
	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	6.3 kg/cabinet; 31kg/m <sup>2</sup>					
Optical Parameters	Viewing Angle	170°(V) 170°(H)					
	Surface Treatment	Black matte					
	Brightness (cd/m <sup>2</sup> )	1000					
	Brightness Uniformity	≥98%					
	Contrast	20,000 : 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+					
	A.C. Inputs	100~240V					
Electrical Parameters	Frame	50/60hz					
	Power Consumption (Max.)	450 W/m <sup>2</sup>					
	Power Consumption (Avg.)	150 W/m <sup>2</sup>					
	Redundancy	Optional					
	Serviceability	Front					
Application	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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