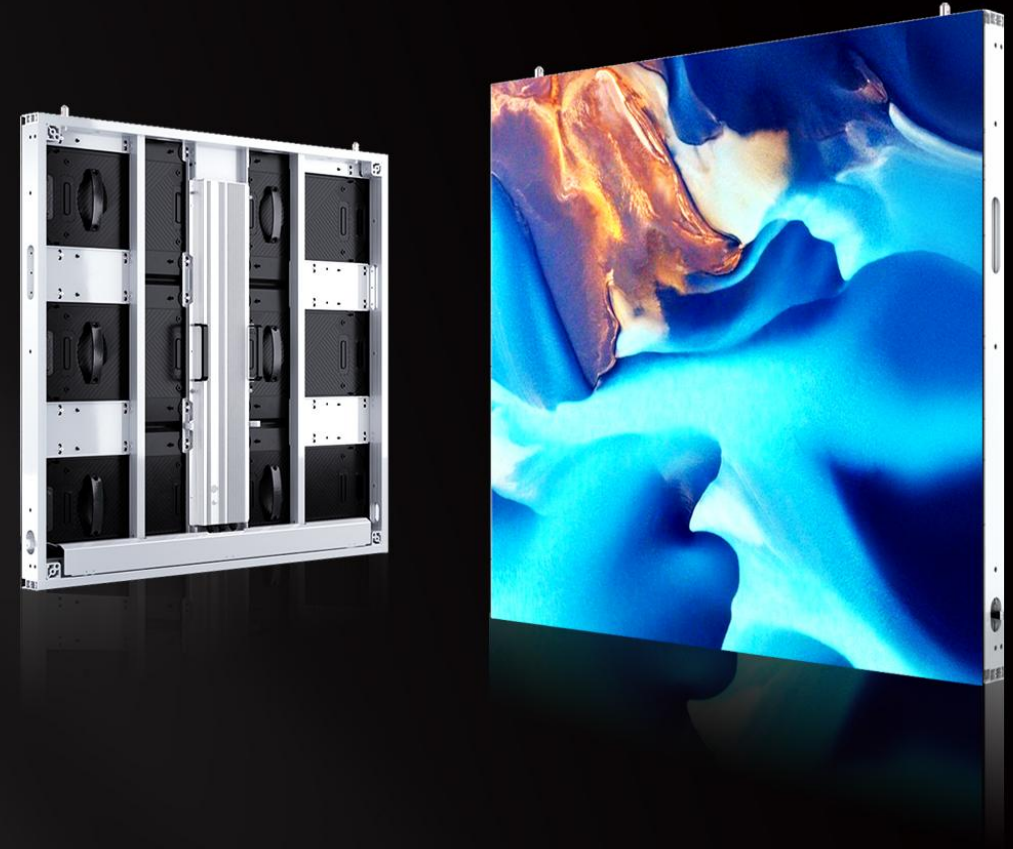


*A New Generation of*  
**Outdoor SMD Fixed LED Display Product**

2022.08.04

LDC960XX Series II





**Innovative & Industry-leading Design**

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**Robust Quality**

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**Outdoor Product Series**

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## **Innovative & Industry-leading Design**

Efficient Performance & Power Saving, Effective Heat  
Dissipation, Outstanding Image Reproduction,

Advanced Integration, Stable & Reliable, User-friendly Operation.



## **Slim & Lightweight Outdoor Power-saving Screen**

Large m<sup>2</sup> display screen can save electricity



A new era of Outdoor Display with 100W average power consumption,  
60% lower than that of similar products on the market

**Low voltage branch-circuit power supply, 2.8+3.4V**  
**High voltage, low current transmission, less transmission loss**  
**than 0.1V, high-efficiency conversion up to 94%**  
**Chip-level voltage divider- innovative module design reduces**  
**transmission loss**  
**High-integration wireless design minimizes transmission loss**  
**Proprietary control system supports power-saving**  
**calibration, enabling efficiency up to 95%**

Social responsibility:

The carbon emission reduction of each LDC960 Series super energy-saving display screen is equivalent to a broad-leaved forest with an area of 4.5 times the display screen was planted.





## All-in-one design saves steel structure cost and onsite installation space

Advanced-integration 2-in-1 board, power box design without complex wiring  
68mm Thickness, 20.5KG,  
Power box weight less than 3KG  
Patent adjustment technology of X, Y, Z direction  
High-current floating connection base with load less than 50%

Traditional Outdoor Display Screen



Independent Power Box



A new generation of Y53  
High-integration Design



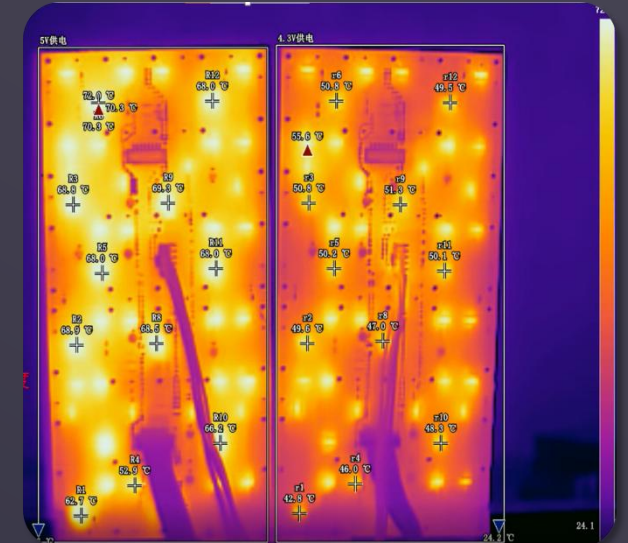
## Efficient Heat Dissipation: lower temperature, longer service life, more reliable operation

Under same screen brightness:

-14.7°C Driver IC Temperature

-9.3°C Temperature on front side of screen

- 1, Slow down the LED attenuation speed, so as to extend the service life of the display
- 2, Improve the working environment and reliability of display screen
- 3, Reduce investment cost of peripheral equipment with less air conditioners







## **Precise & Vivid Color: a new level of ultimate displaying effect**

Ten-thousands level brightness, support maximum brightness up to 10000cd/m<sup>2</sup>

Special optical trap louver design, contrast can reach 15000:1

20Bit+ color depth realized by R&D experience

7680Hz super high refresh rate, enabling screen with perfect picture capture even with a mobile phone.

2727 outdoor SMD VS 3535, Contrast increased by 30%



## Engineered for Outdoor, Various Application Scenarios



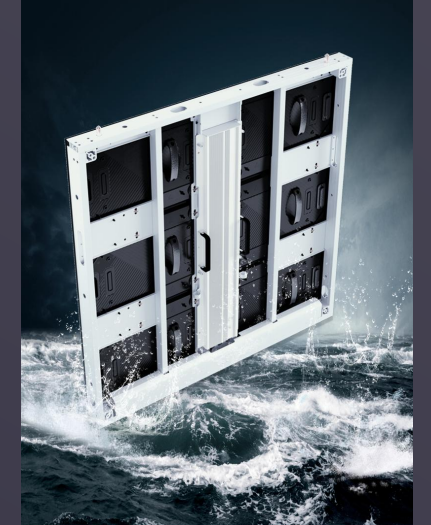
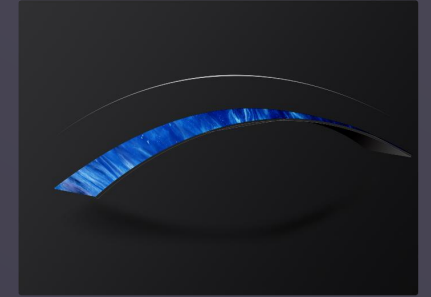
Front & Rear-access maintenance  
and Installation



90° Splicing Screen: minimum  
splicing angle shall be 90°  
Arc Splicing Screen: minimum arc  
splicing radius shall be 5.5m  
Immersive 3D naked-eye screen

960\*960mm, 480\*320mm are optional for  
different applications

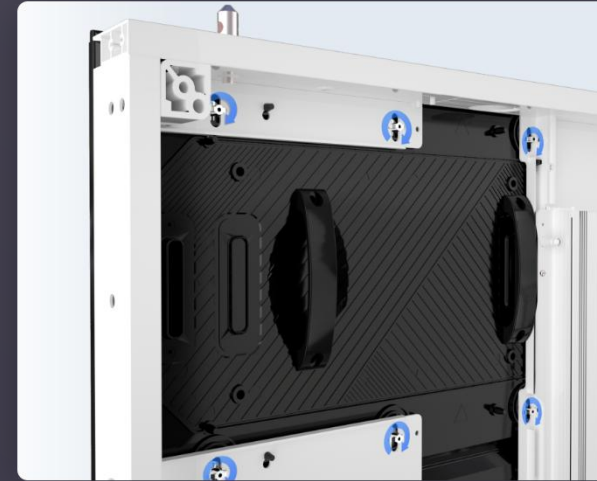
IP65 for front and rear sides, suits the  
normal use under harsh environment and bad  
weather;



## Fast Installation & Convenient Maintenance

module assembly in 20s

all-in-one power box replacement in 40s



## Module Hard Connection, Stable & Reliable

Wireless hard connection without complex wiring between modules, enabling fast module replacement so as to lower fault rate and shorten installation hours.



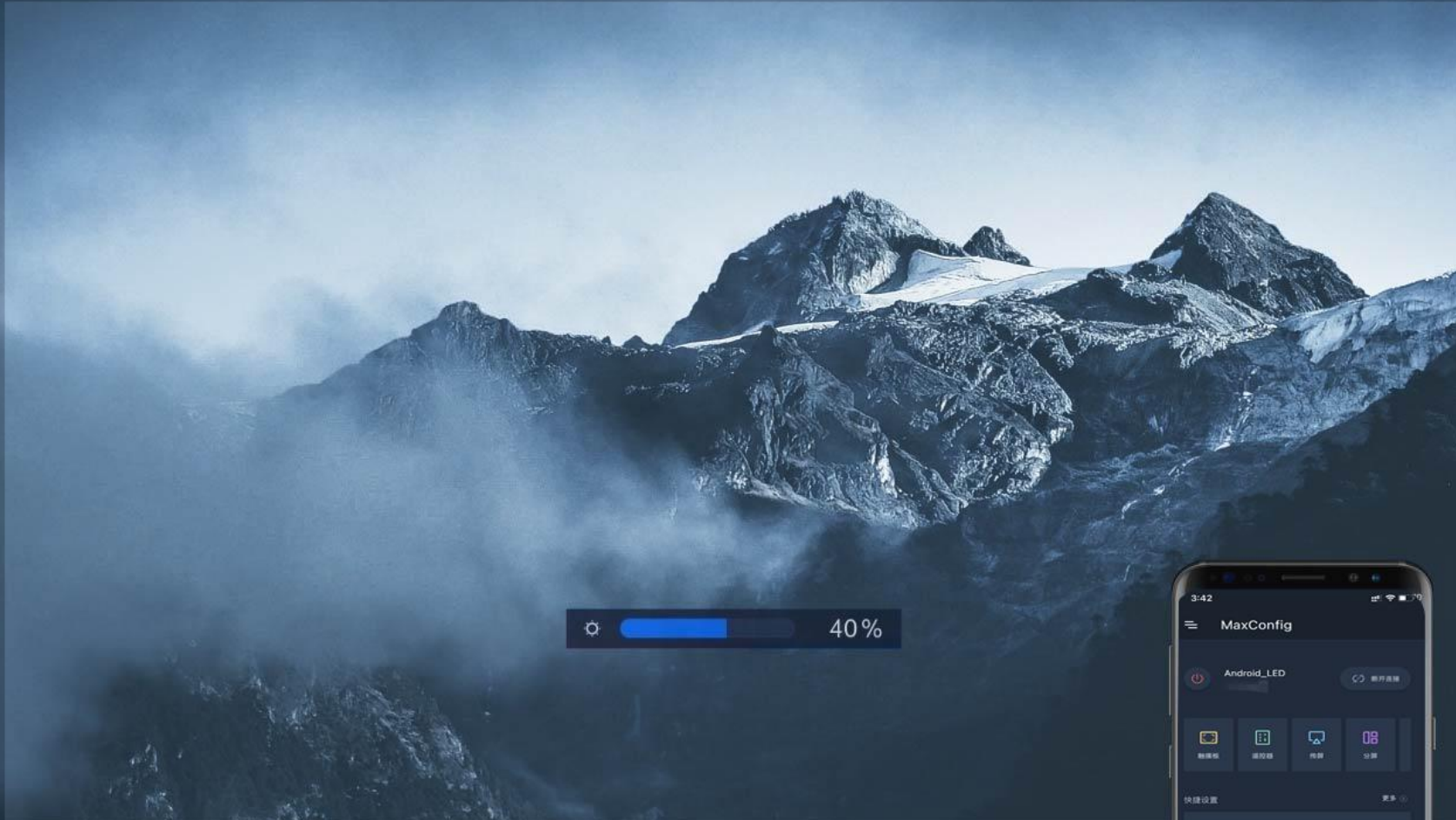




## Self-developed System, User-friendly Operation

Perfectly match the new generation Pcon200 PRO system and Pcon600 4K control system

- Integrate receiving card and hub board into one, thus to reduce connection ports and improve system stability;
- 20Bit gray scale processing, 7680Hz super high refresh rate, ensuring HD image displaying;
- The displaying effect of high-refresh PWM driver IC can be achieved by using ordinary driver IC.
- Precise calibration supports brightness, refresh rate and gray scale calibration; Brightness efficiency can be up to 95%;
- Easy-to-use integration of software and hardware supports one-button-screen-on function, remote information publishing, screen management & monitoring.



## Self-developed System, User-friendly Operation

- LEDConfig smart control software makes screen operation as convenient as that of TV set.

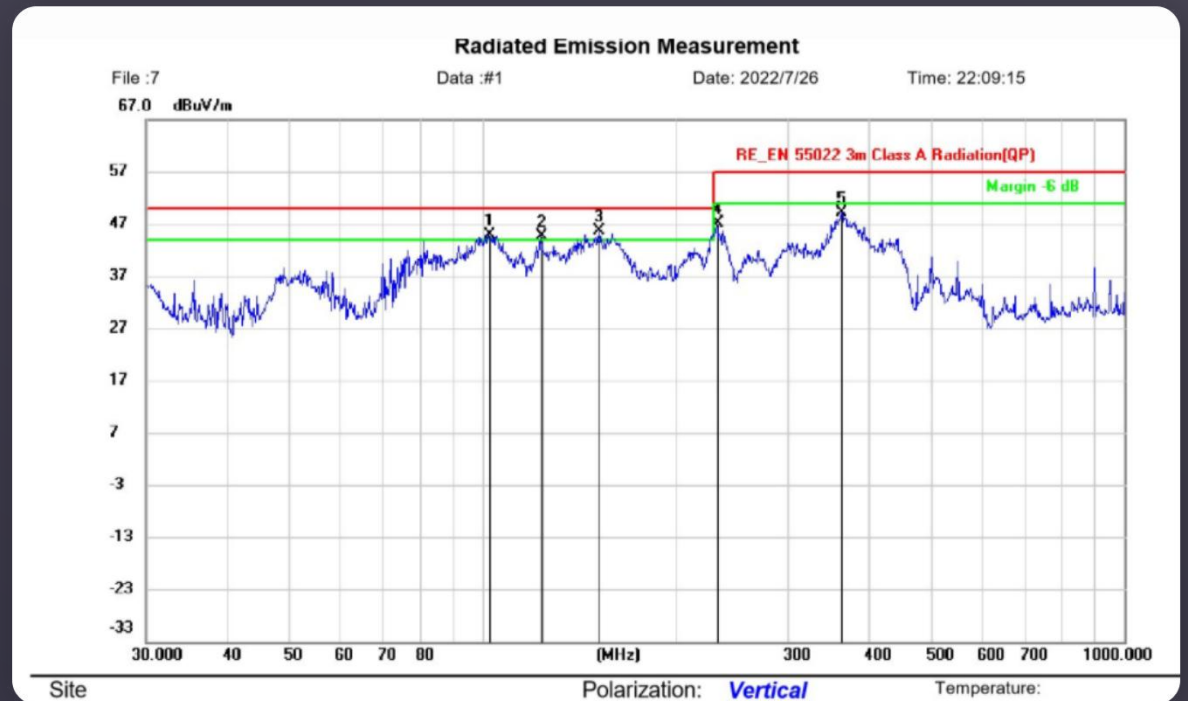




## Compliance Safe Green

Compliance : CCC, CQC, CE, ETL, FCC, CB certified.

Lead-free soldering, green product guarantee,  
the overall product meets RoHS directive

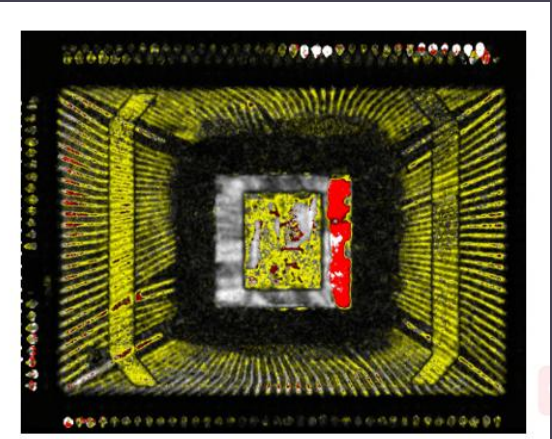


## Robust quality & reliable operation are foundations of outdoor display product

- +52 strict tests
- 40-60°C high and low temperature cycle
- -40-100°C off-power high and low temperature impact, 50 cycles
- Low temperature, high temperature, high humidity limit test, etc. 85 ° C, 90% humidity
- Vibration, salt spray, stacking, transportation road running test
- EMC, EMS and safety test
- Investment of > 100 million for test equipment and LED professional lab



ultrasound scanner



crack scanned inside driver IC



# SPECIFICATIONS

Model	QY5360	QY53A0
LED Type	SMD2727	SMD2727
Pixel Pitch (mm )	6.67	10
Cabinet Resolution (dots)	144 × 144	96 × 96
Cabinet Size (W × H × D)/(mm)	960 × 960 × 68	
Module Size (mm)	480 × 320	
Cabinet Weight (kg)	20.5	
Contrast	15000:1	
Refresh Rate (Hz)	7680	
Brightness (nit)	6500/8000	
Viewing Angle (H/V° )	140° /H,120° /V	
LEDs Life Time (hrs.)	> 70000h	
Cabinet Material	Aluminum Profile	
Maintenance	Front & Rear Access	
AC Input Voltage (V)	AC100~240	
Operating Temperature/Humidity	-20 ~ +50℃/10%~90%RH No Condensation	

The above specifications are for reference only, and subject to change without further notice.