



D27 Series Specification

Model Name: DA2712
Version: 1.0

QSTECH





Product Specification



Product Features

- ◆ COB integrated packaging technology enables high IP rating.
- ◆ RGB flip chip excels in heat dissipation, ensuring stable performance and reliable product quality.
- ◆ Area light display can effectively prevent Moire pattern on the screen.
- ◆ Combine common cathode drive technology with dynamic power-saving drive design, achieving economy and efficient operation.
- ◆ Dual calibration technology enhances display image uniformity under low gray scale level.
- ◆ A whole new driver structure is applied to achieve super low power consumption and screen temperature, in order to bring stable product performance.
- ◆ 3-in-1 highly integrated board design with reduced wire connection between components, thus to improve product stability.
- ◆ Display unit adopts magnesium cabinet without heat-dissipation fan, realizing both efficient and eco operation.
- ◆ Calibration data is stored on display module, enabling auto data reading after module replacement;
- ◆ D27 series meets requirements of ROHS directive in China and EU.





Product Parameter

Physical Parameter

Pixel Composition	1R1G1B (full flip chip)
Pixel Pitch (mm)	1.25
Module Resolution (dots)	120*135
Cabinet Resolution (dots)	480*270
Pixel Density (dots/m ²)	648000
Module Size (W*H) / (mm)	150*168.75
Cabinet Size (W*H*D) / (mm)	600*337.5*35
Cabinet Material	Die-casting-aluminum
Cabinet Module Arrangement	4*2
Cabinet Weight (kg)	6.5 ± 0.1

Optical Parameter

Brightness (nit)	1000-1200
Gray Scale (bit)	14-16
Refresh Rate (Hz)	3840
Contrast	15000: 1
Color Temperature	3,000K-10,000K Adjustable
Viewing Angle (H/V °)	170/170

Electrical Parameter

AC Input Voltage (V)	AC100~240
AC Input Frequency (Hz)	50/60
Power Consumption(Max.) (W/m ²)	395





Power Consumption(Avg.) (W/m ²)	135
Operation Environment Parameter	
Storage Temperature (°C)	-10 - 60
Working Temperature (°C)	-10 - 40
Storage Humidity (RH)	10%~60% No Condensation
Working Humidity (RH)	10%~85% No Condensation
LEDs Life Time (hrs.)	100000
Maintenance Mode	Front Access

Note:

- All specifications are subject to change without prior notice.

