



SkyFlex
By Dicolor

HA-C02 Series Product specification

Ultra-high-definition indoor COB LED display screen

Always On, Always Energy-Saving

SkyFlex – New sub-brand under Dicolor's fixed installation product line. Backed by technical expertise & customer insights, it delivers reliable, energy-efficient, high-performance LED fixed installation display solutions globally.

HA-C02

Ultra-high-definition indoor
COB LED display screen



High Protection



Front Maintenance



Power
signal backup



High Grayscale
& Refresh Rate



16:9



Ultra-Light and Slim

Product overview

The HA-C02 series is an ultra HIGH definition product independently developed by SkyFlex for the small spacing LED display market, which is simple, beautiful and practical. It is mainly used for display applications in security monitoring, command and scheduling, video conference, broadcasting and other control fields.

Product features

- Flip-chip COB Packaging: Each pixel is composed of RGB full flip-chip integrated packaging. and fixed on the circuit board separately, which accelerates heat dissipation and the surface temperature of the screen is low.
- Robust and Durable: IP65 protection level. After long-term thermal expansion and contraction tests, the surface temperature is less than 40°C.
- Convenient Maintenance: The box can be installed against the wall. The module, system card and power supply are all supports front maintenance .
- Seamless Display: Patent surface treatment technology, ultra-high ink color consistency and flatness, the display panel does not reflect light.
- High Gray&Refresh Extreme Display: Low brightness,high gray, high refresh rate. The dynamic display picture is stable, without ripples, no flickering, the image edge is clear, and the visual experience is more comfortable.

Technical Parameters

| Parameter | HA-061C02 | HA-071C02 | HA-091C02 |
|--------------------------------------|------------------------|---------------|---------------|
| LED Arrangement | Flip-chip COB | Flip-chip COB | Flip-chip COB |
| Pixel Pitch (mm) | 0.625 | 0.78125 | 0.9375 |
| Module Size (mm) | 150x168.75 | | |
| Module Resolution (W×H) | 240*270 | 192*216 | 160*180 |
| Unit Composition | 4*2 | | |
| Cabinet Size (mm) | 600*337.5*37.7 | | |
| Cabinet Resolution (W×H) | 960*540 | 768*432 | 640*360 |
| Pixel Density (Dots/m ²) | 2560000 | 1638400 | 1137777 |
| Cabinet Material | Die-cast aluminum | | |
| Cabinet Weight | 4.1 | 5 | 4.5 |
| Brightness Level (nits) | 600 | | |
| Refresh Rate (Hz) | ≥3840 | | |
| Scanning Method | 1/60S | 1/64S | 1/54S |
| Grey Scale | 16bit | 16bit | 14bit |
| Visual View Angle (H/V) | 165°/ 165° | 165°/ 165° | 165°/ 165° |
| Contrast Ratio | 5000:1 | | |
| Max Power (W/m ²) | 390 | 425 | 330 |
| Average Power (W/m ²) | 130 | 142 | 110 |
| Voltage | AC100~240V (50~60Hz) | | |
| Operating Temperature/Humidity | -10°C~+40°C; 10%~90%RH | | |
| Storage Temperature/Humidity | -20°C~+60°C; 10%~90%RH | | |
| Service Life | ≥100,000Hrs | | |
| Maintenance Method | Front | | |
| Protecting Rating | IP65/IP30 | | |

※ According to the different configuration, the parameters are slightly changed, for more information, welcome to consult.

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Technical Parameters

| Parameter | HA-121C02 | HA-151C02 | HA-181C02 |
|--------------------------------------|------------------------|---------------|---------------|
| LED Arrangement | Flip-chip COB | Flip-chip COB | Flip-chip COB |
| Pixel Pitch (mm) | 1.25 | 1.5625 | 1.875 |
| Module Size (mm) | 150x168.75 | | |
| Module Resolution (W×H) | 120*135 | 96*108 | 80*90 |
| Unit Composition | 4*2 | | |
| Cabinet Size (mm) | 600*337.5*37.4 | | |
| Cabinet Resolution (W×H) | 480*270 | 384*216 | 320*180 |
| Pixel Density (Dots/m ²) | 640000 | 409600 | 284444 |
| Cabinet Material | Die-cast aluminum | | |
| Cabinet Weight | 4.5 | 4.5 | 4.5 |
| Brightness Level (nits) | 600 | | |
| Refresh Rate (Hz) | ≥3840 | | |
| Scanning Method | 1/60S | 1/54S | 1/45S |
| Grey Scale | 13bit | 13bit | 13bit |
| Visual View Angle (H/V) | 165°/ 165° | 165°/ 165° | 165°/ 165° |
| Contrast Ratio | 5000:1 | | |
| Max Power (W/m ²) | 295 | 280 | 280 |
| Average Power (W/m ²) | 100 | 95 | 95 |
| Voltage | AC100~240V (50~60Hz) | | |
| Operating Temperature/Humidity | -10°C~+40°C; 10%~90%RH | | |
| Storage Temperature/Humidity | -20°C~+60°C; 10%~90%RH | | |
| Service Life | ≥100,000Hrs | | |
| Maintenance Method | Front | | |
| Protecting Rating | IP65/IP30 | | |

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