



DEMA Electronic AG



REFOND

Mini LED Micro Display Overview

2024

Mini / Micro LED - Display

Stock code: 300241 www.refond.com



Mini LED flex screen

The first small LED open, OOD, ultra-thin screen in China



Mini large screen - P0.68

Global debut, minimum pitch P0.68, 4K 118" screen, 2019CES



Mini large screen --P0.39

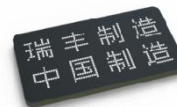
Global debut, minimum pitch P0.39mm, 2020CES



Mini micro screen - "Fly" series

Colorful

Global debut, aerospace quality, pitch 0.39



Mini Microscreen - "Character" series

Colorful

Global debut, aerospace quality, pitch 0.39

Y2016

2017. 01

2017. 10

2018. 11

2019. 06

2019. 12

2020. 06

2020. 10

2021. 06

2021. 10

Project start

Automatic production line

China's first mini LED automatic production lines



Mini large screen --P0.49

Global debut, minimum pitch P0.49, 8K 170" screen, 2020ISE



Mini micro screen - "Fly" series

Colorful models

Global debut, aerospace quality, pitch 0.2



Mini Microscreen - "Character" series

Colorful models

Global debut, aerospace quality, pitch 0.2



Mini / Micro LED - The Strengths of Micro screen display

Stock code: 300241 www.refond.com



The Mini LED microscreen display is clearer than the digital tube, stronger than the LCD, smaller, brighter, thinner and lighter:

1. Complete display of Chinese characters, clear display of numbers, including various of languages, programmable for the display.
2. high brightness, low heat, wide viewing angle, drop resistance, wear resistance, scratch resistance
3. Various of choice, R, G, B, W, RGB, RG, RB, GB, etc
4. Pitch 0.2~1.5mm, Freedom customization(PPI:30-140)
5. Light sensor, pressure sensor, voice control, Bluetooth and other functions for option

The strengths comparison for LED digital tube, Mini LED microscreen, and LCD screen

Item	LED digital tube	Mini LED "micro screen" module	LCD screen
Image for reference			
Reliability	★★ Led encapsizers using the wire bonding process, poor reliability than those with flip chip MiniLED	★★★ Mini LED COB technology, flip chip, epoxy full screen molding, moisture resistance, high temperature resistance, high reliability	★ It is not resistant to high temperatures, fragile
Brightness	★★ Max:1600nit	★★★ Max: 2000nit	★ Max: 600nit
Flexibility of dimensional design	★★	★★★	★
Point spacing	★ ~3.75mm	★★ 0.2~1.5mm	★★★ 0.2~0.4mm



DEMA Electronic AG

DEMA Electronic AG

Tuerkenstrasse No. 11

80333 Munich

Germany

Phone: +49 89 28 69 41-0

Fax: +49 89 28 35 09

Email: contact@dema.net

www.dema.net



DEMA Electronic Asia Ltd.

6/F Luk Kwok Centre

72 Gloucester Road

Wan Chai, Hong Kong

Phone: +852 3127 5637

Fax: +852 3127 5656

Email: dema.asia@dema.net

www.dema.net

