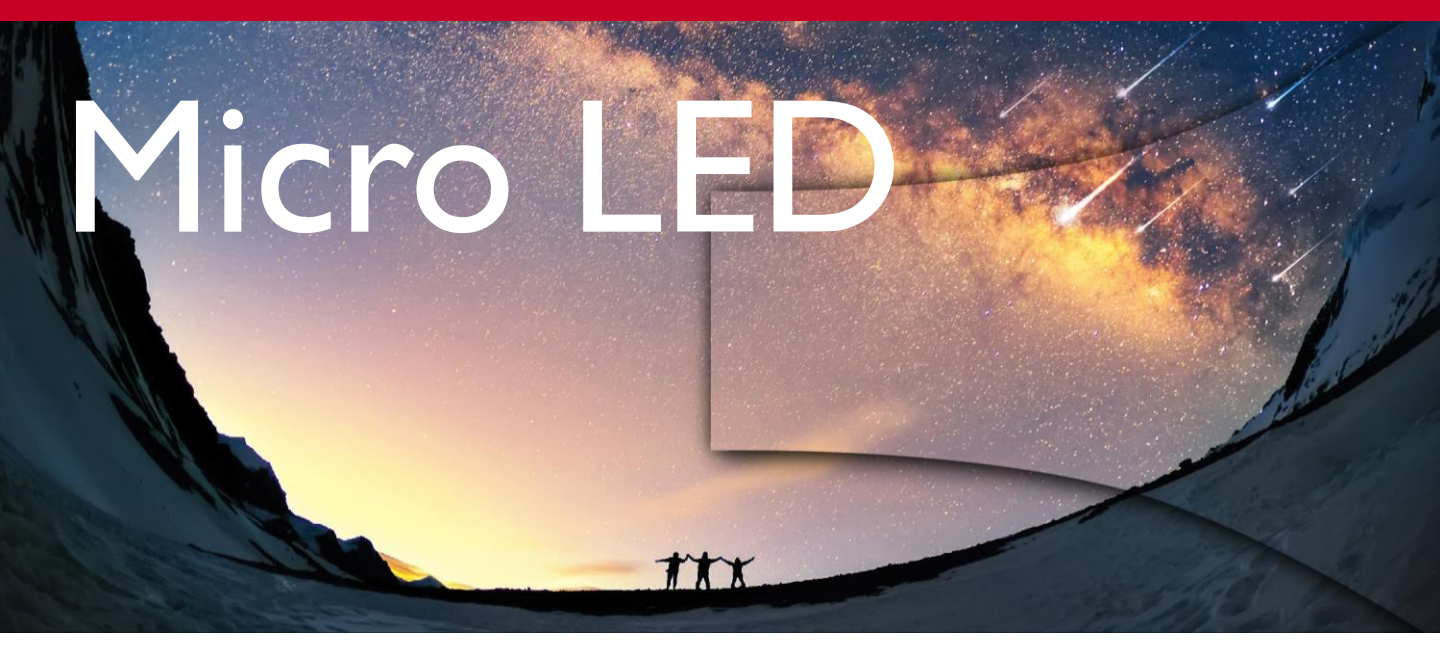
Lextar



Lextar has been dedicated to developing Micro LED technology and providing innovative solutions that cater to diverse customer needs. Its i-Pixel™ series integrates advanced technologies to overcome the technical obstacles that have hindered the commercialization of Micro LED. As a result, customers can enjoy the benefits of ultra-high resolution, excellent contrast, and low power consumption. Lextar's commitment to continuous innovation and excellence has positioned it as a leader in the Micro LED industry.

i-Pixel™ Series Road Map

i-Pixel™ - 0202

- Micro LED
- PM or AM Driving
- Package Size: 200 x 200um
- PPI: 20~70

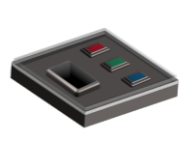
i-Pixel +™ - 0303

- Micro LED + Si-IC
- AM Driving Embedded
- Package Size: 340 x 340um
- PPI: 20~50

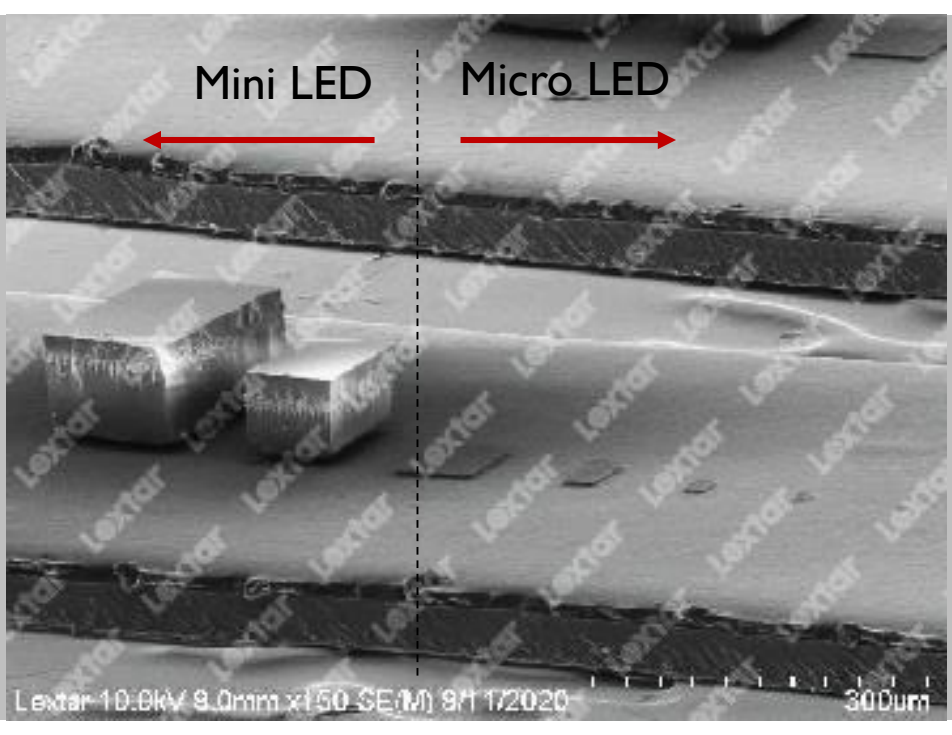
i-Pixel +™ - 0202

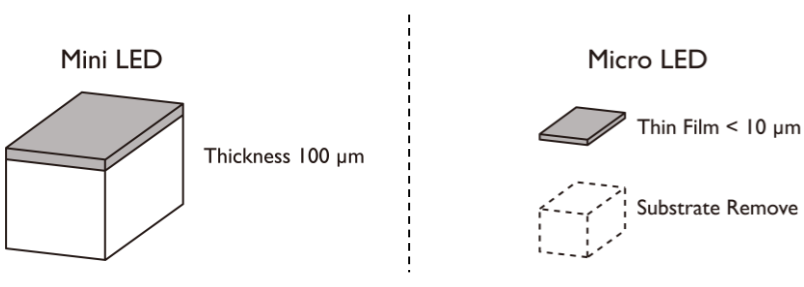
- Micro LED + Si-IC
- AM Driving Embedded
- Package Size : 250 x 250um
- PPI: 20~60

i-Pixel +™ - 0101



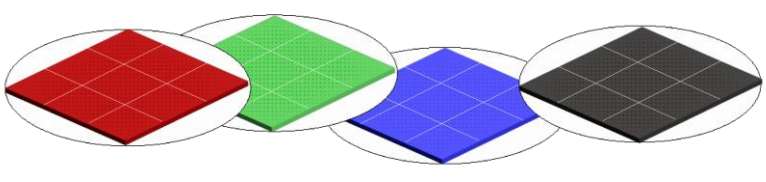
- Micro LED+ Si-IC
- AM Driving Embedded
- Package Size: 120 x 120um
- PPI: 20~100



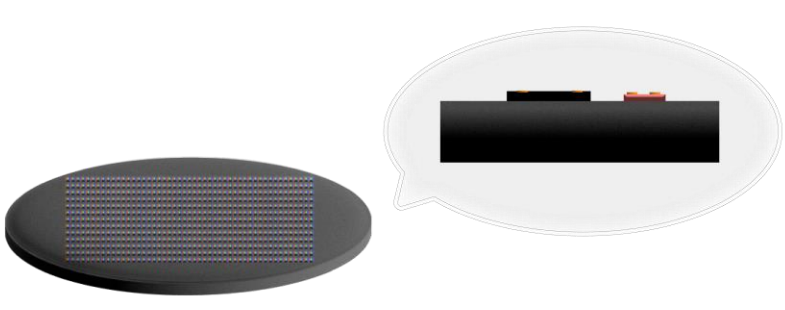


Semi-packaging Solution

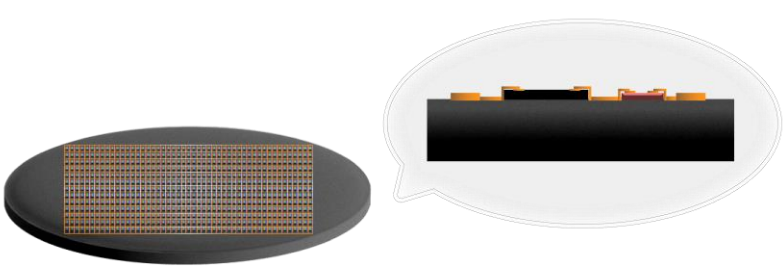
R/G/B Micro LED and Si-IC Wafer (only i-Pixel +™)



Mass Transfer



Photolithography



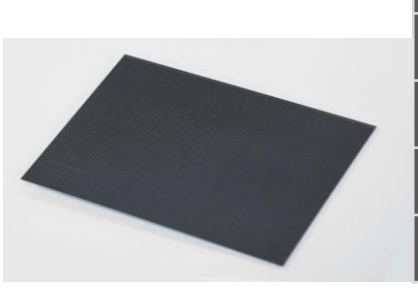
Molding/Testing/Cutting

P0.75 mm RGB Micro LED Display

Features:

- The world's smallest Micro LED package
- Ultra fine pitch LED display
- High black surface ratio
- High contrast
- Ultra thin package (< 150 μm)
- Suitable for passive matrix driving current

i-Pixel™



Chip Dimension (μm)	40 x 80
Backplane	PCB
Resolution (pixel)	640 x 360
Brightness (nits)	1000
Black Surface Ratio (%)	>97 % @ P0.75mm module

P0.78125 mm AM RGB Micro LED Display

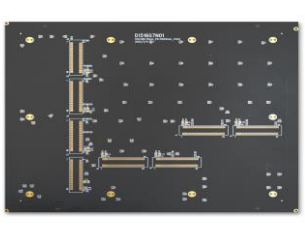
Features:

- The world's smallest Micro LED plus Micro IC package
- Active matrix driving in package
- High black surface ratio
- High contrast
- No scan line flicker
- Reduce > 20% power
- 14+2 bits gray scale
- Package thickness <150 μm

i-Pixel+™

PCB-Back Side

Traditional-PM Driving



i-Pixel +™ -AM Driving

Chip Dimension (μm)	13 x 20
Backplane	PCB
Resolution (pixel)	192 x 216
Brightness (nits)	1,000