



Non Near-Eye Display

Ennostar is built on a foundation of design and technological innovation, meeting the market's expectations for existing display products. We not only prioritize visual effects but also focus on consumer visual health and product energy consumption. Committed to exploring the limitless potential of display technology with you, we aim to elevate consumer visual experiences to new heights.

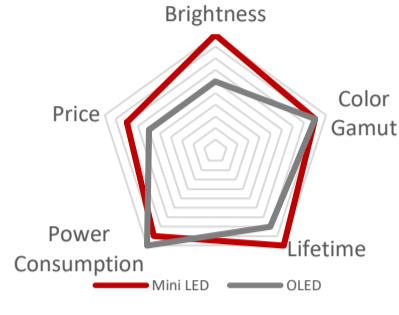
Mini LED Chip on Board (COB) Backlight for Notebook

Market Trends & Growth Potential in Products/Technology

With the rise of new media, creators are increasingly demanding high-spec laptop screens to enhance the precision, efficiency, and effectiveness of their work. Laptops featuring Mini COB backlighting offer high color gamut, brightness, and contrast, facilitating accurate color and detail reproduction, thereby improving the working experience for creators and ensuring the quality of their work.

Ennostar's Highlights

- Featuring a blue LED edge-lit backlight module, it achieves high color gamut, brightness, and contrast for superior display quality.
- Equipped with 2000-zone local dimming technology, it offers finer control over individual areas, enhancing image details while reducing power consumption for greater energy efficiency.



Ennostar is with you in every step

Products	Epitaxial Wafer	Chip	Package	Module
	●	●	●	●

Low Blue Light Backlight for Monitor

Market Trends & Growth Potential in Products/Technology

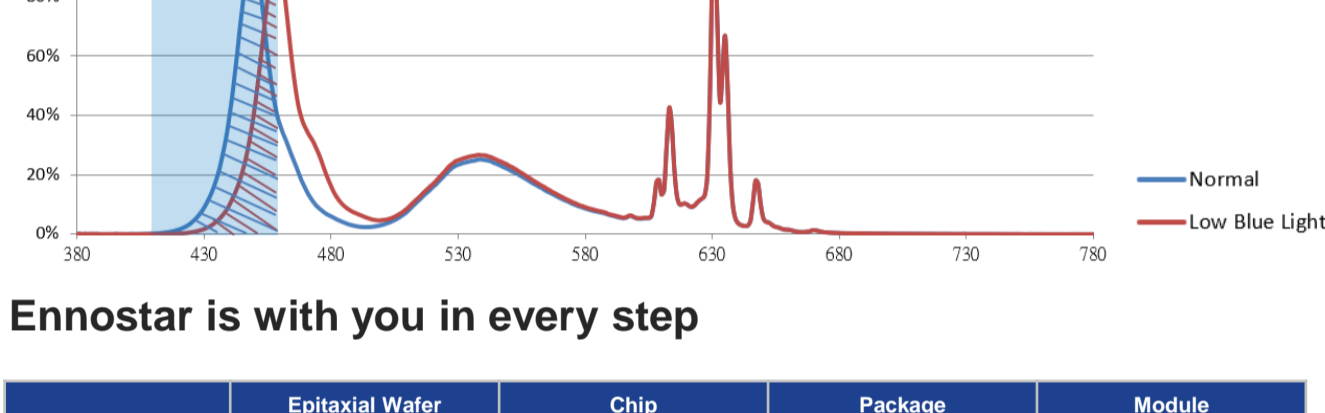
With changing lifestyles, the demand for displays is increasing, and usage time is extending. Modern users are increasingly concerned about visual health, making low blue light products meet the needs of both health-conscious and professional users.

Ennostar's Highlights

- Low blue light energy-saving backlight applied to 23.8" screens, complying with TÜV Level 2 blue light standards.
- The low blue light feature reduces eye strain, ensuring prolonged use remains efficient and comfortable.



Spectrum Comparison



Ennostar is with you in every step

Products	Epitaxial Wafer	Chip	Package	Module
	●	●	●	●

Smart Display

Market Trends & Growth Potential in Products/Technology

With the thriving development of AIoT, consumer products must become smarter to meet consumer demands. Among these, the human-machine interface is a crucial communication channel. Transparent and flexible color displays provide designers with more design space to create unique products.



Ennostar's Highlights

- Using flexible transparent substrates not only allows for displaying dynamic color images but also brings static privacy due to its transparency, making it applicable to consumer electronics, with customizable curvature, providing unique and stylish product designs.
- Special pixel arrangements coupled with active IC control can reduce pixel usage and extend lifespan.

Ennostar is with you in every step

Products	Epitaxial Wafer	Chip	Package	Module
	●	●	●	●

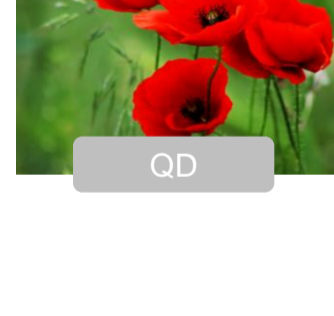
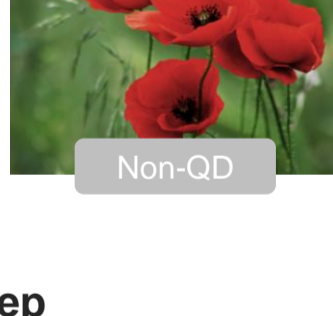
QD LED Backlight for 32" Monitor

Market Trends & Growth Potential in Products/Technology

Utilizing QD LED technology, QD color monitor enhances color and brightness, achieving a wide color gamut for more realistic images in various environments.

Ennostar's Highlights

- Utilizing QD LED technology, QD color monitor enhances color and brightness, achieving a wide color gamut for more realistic images in various environments.



Micro LED

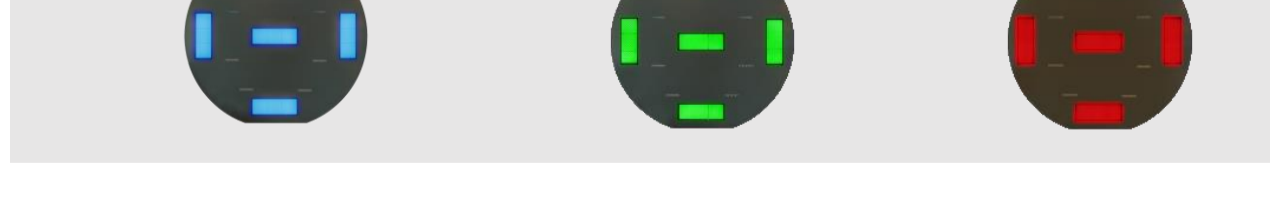
Market Trends & Growth Potential in Products/Technology

As Micro LED technology enables the productions of ultra-high resolution, high contrast, high dynamic range, color saturation displays, making them increasingly favored across various markets. As Micro LED technology advances and manufacturing costs decrease, its applications in the high-end display market continue to expand. From opaque indoor/outdoor public information displays (PID) and large consumer televisions to wearable devices, and the gradual introduction into transparent screens in transportation vehicles, the scope of Micro LED applications is steadily broadening.

6" COW

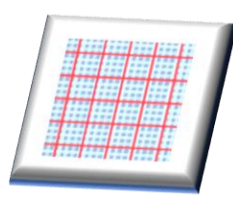
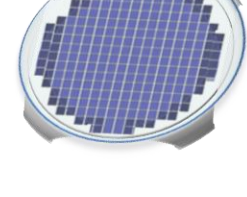
- Micro LED COW technology with high wavelength uniformity and efficiency improves color consistency and brightness of Micro LED end products.

Wavelength (nm)	R: 620, G: 530, B: 460
Chip Size (µm)	13x28



COC1+

- COC1+ is a key development for Micro LED, utilizing AI sorting technology to achieve high uniformity and even distribution and reduce uneven wavelength distribution and wavelength differences, ensuring the visual quality of Micro LED displays.
- Seamless interface integration without additional adjustments in tools and technology for display manufacturers, bringing shorter process time and higher productivity for unaffected product quality.

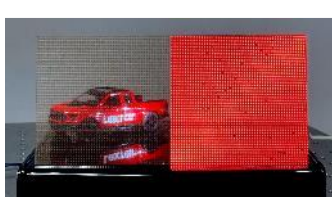


i-Pixel™ & i-Pixel+™

- Pioneering "Low-Carbon Process" wafer-level packaging technology integrates Micro LED and Micro IC into a single 0202 RGB package, evolving the proprietary i-Pixel™ fully leveraging the low power consumption characteristics of LED.



Pitch (mm)	0.937
Resolution	1080 x 1920
Dimension (mm)	1,800 x 1,012.5
Size	80 inch



Pitch (mm)	0.68
Backplane	Glass
Resolution (pixel)	160 x 320
Brightness (nits)	2000
Aperture	75%

Products	COW	COC/ COC+	Package (i-Pixel™)	Module (i-Pixel+™)
	●	●	●	●