

New Product | 5.5” AMOLED Display Module

Display screens are important windows for information transmission. Studies have shown that 70% of the information humans obtain from the outside world comes from vision. Therefore, the pursuit of excellent performance of display screens has never stopped. AMOLED (Active Matrix/Organic Light Emitting Diode), that is, active matrix organic light-emitting diodes, has attracted much attention in the industry for its excellent picture display function, more thin wide operation temperature, sunlight readable, energy saving and other characteristics. It has gradually become the third generation of mainstream display technology after cathode ray tube display technology (CRT) and liquid crystal display technology (LCD).

The module has MIPI I/F with 39pins and supporting FPC customization.

Resolution: 1080*1920

Interface: MIPI

Touch : On-cell

Brightness: 350nits

Application : hand-held game consoles,
handheld 3D scanners, display panels



5.5" AMOLED display module

high - chroma

The 5.5-inch AMOLED module has extremely high color contrast ratio and can display very deep black and vivid colors. Details in dark areas can also be clearly presented, and the picture layering is richer. At the same time, the picture with high color saturation enables users to more clearly distinguish the content on the screen. Even in strong light, the black part will not leak or reflect light, thereby highlighting the display effect of the bright part and enhancing the readability of the screen. In layman's terms, AMOLED is like an oil painting, with pure and delicate colors, while LCD is like a watercolor painting, with hazy and light colors.



Low consumption, light & portable

The 5.5-inch AMOLED module has a natural advantage in terms of energy consumption. It does not require a backlight, which greatly reduces the power consumption of the screen and has a significant energy-saving effect. It also makes it lighter and thinner, making it possible for lightweight design of the terminal.



Fast response, smooth experience

Due to the self-luminous characteristics, when a pixel turned on or off, don't need to wait for the response from the backlight source. The luminous state of the pixel can be directly controlled,

which greatly shortens the response time. Therefore, during the operation, whether it is quickly sliding the screen, switching applications, or playing fierce games, the screen can quickly respond to finger operations, with almost no delay and no ghosting, bringing users a smooth operation experience.

Size	Resolution	Model Number	A.A Size(mm)	Outline(mm)	Brightness (nits)	Interface	Remark
1.19"	390RGB*390	TA012WVC02	Φ=30.42	33.99*33.62*0.80	350	MIPI	Circular/CTP
1.43"	466RGB*466	TA014WVC07	Φ=36.35	39.35*39.55*0.80	400	MIPI/QSPI	CTP(on cell)
1.78"	368RGB*448	TA018NHV02	28.70*34.94	30.60*37.99*0.80	350	MIPI/SPI	CTP(on cell)
2.4"	450RGB*600	TA024VGV01	36.72*49.12	38.72*51.56*0.78	800	MIPI/SPI	CTP
5.44"	1080RGB*1920	TA055FHV06	67.82*120.58	69.70*126.60*0.79	300	MIPI	CTP(on cell)
7"	1080RGB*1920	TA070FHV01	87.134*154.90	89.13*160.91*1.67	800	MIPI	CTP(on cell)

TDO 5.5” AMOLED display module can be designed and customized according to customer’s requirements, providing a full range of services from design, sample testing, small batch verification to mass production and technical support.