Electro Optical Components, Inc.

5460 Skylane Boulevard, Santa Rosa, CA 95403
Toll Free: 855-EOC-6300
www.eoc-inc.com | info@eoc-inc.com

Click to go to
Product Selector

OLED Color LCD Display

OLED, or Organic Light Emitting Diode, also known as Organic Electromechanical Laser Display, OLED display technology is different from traditional LCD display in that no backlight is required and a very thin coating of organic materials and glass substrate are used, which emit light when an electric current is passed through them. The manufacturer has been dedicated to the field of light field regulation for more than 20 years, and has profound experience in microdisplay devices. For the increasing fields of OLED usage, we have independently conducted driver design and software development for the devices to enrich the product range.

Features:

- Using self-luminous materials, low power consumption
- Fast response speed, short switching time, adjustable refresh rate, no smearing of dynamic images
- Wide viewing angle, no distortion
- High brightness, high contrast ratio, high color reproducibility and color saturation, the display effect is more realistic (monochrome or color optional)

Product parameters:

Item	OLED-2K061
Panel Resolution	2560 x 2048
Number of Pixels	5.4M
Pixel Arrangement	Square pixel arrangement
Pixel Size	4.71µm x 4.71µm
Effective Area	12.03mm x 9.63mm, 0.61"
White Monochrome Brightness	Typical Brightness: 500cd/m^2, 150fL Maximum Brightness: 1000cd/m^2, 300L
Operating Wavelength	430nm - 780nm
Contrast	10000: 1
Connection	HDMI
Frame Rate	25Hz-60Hz
Power Supply	12V2A
Display Power Consumption	250mW
Operating Temperature	-40°C -70°C

Application areas:

- Based on the background of OLED ultra-high resolution, small size and easy portability, and strong environmental adaptability, it is widely used in many fields.
- Near-eye display: AR, VR
- Instrument display: medical, military intelligent instrument display
- Extreme environment display: suitable for wide temperature (ultra low temperature), high mechanical shock environment