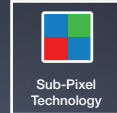


MARYLAND

WVGA FULL COLOR

0,38" 1,7 Mdots OLED Microdisplay



micrOOLED

OLED microdisplays

MARYLAND | Technical Specifications

WVGA FULL COLOR

MARYLAND color is the world smallest digital high resolution emissive WVGA OLED micro displays.

Based on low voltage, high pixel density, and quad subpixel arrangement, MARYLAND full color provides the following key advantages:

- WVGA format, full color
- 0,38" diagonal
- 10 μm pixel pitch
- Low power consumption
- Outstanding contrast and uniformity levels

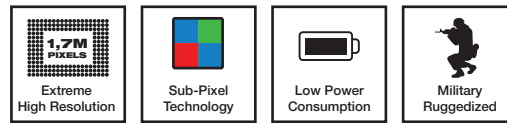
MARYLAND is dedicated to defense applications and withstands all military constraints (temperature, shock, vibration, emc).

MARYLAND targets all near-to-eye digital applications such as :

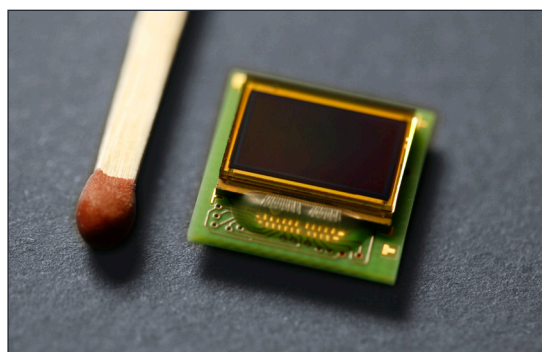
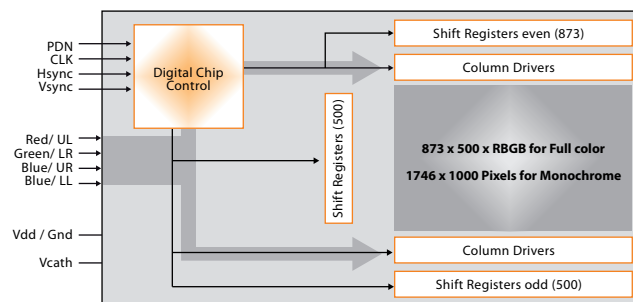
- Thermal and digital night vision devices
- Head mounted display devices (HMD)
- Enhanced night vision goggles (ENVG-O, ENVG-D)

Detection, recognition and identification capabilities of a system are crucial for soldiers. These are determined by the performance of the whole image chain and in particular by the quality of the display component.

MARYLAND, with its outstanding performance, is contributing to enhance the overall system performance.



Resolution	850 x 500 pixels (WVGA)
Pixel Pitch	10 μm (sub pixel 5 x 5 μm)
Active Display Area	8,7 x 5 mm (0,38")
Uniformity	96%
Luminance (Max.)	300 cd/m^2
Contrast	100.000:1
Power Consumption (Typ.)	25 mW
Overscan	20 pixels
Input Format	Analog (RGB)
Frame Rate	25-60Hz
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C



For inquiries about MICROOLED products, technology or our company, please contact us.

MICROOLED

BHT, bâtiment 52, 7 parvis Louis Neel
B.P. 50, 38 040 GRENOBLE Cedex, France

T +33 4 38 88 47 29

info@microoled.net

www.microoled.net

