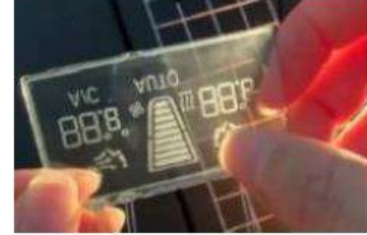


# **ORIENT DISPLAY** MAKE THINGS POSSIBLE

May 7<sup>th</sup>, 2024

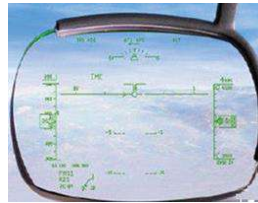
Dear Valued Customers:

Orient Display is always striving for new technology development. Today, we are happy to announce our new product: **Polymer Nematic Liquid Crystal Display (PNLC)**, which adds Polymer to the Liquid Crystal so that the Liquid Crystal will present off and on states in the electrified state.



- Transparent with transmission rate: ~90%.
- Excellent viewing angles. The brighter the ambient light, the darker the background color, the better the contrast rate. Contrast Rate (CR): ~3.
- Fast response: ~20ms at 10V, ~120ms at 5V
- Vop: 3.3-10V
- Low power consumption: 1mA/3.3V
- Interface: Parallel, SPI or I2C
- Temperature range, Storage: -30°C~80°C, Operating: -20°C~70°C
- No Mura Effect: Pressure on the screen does not distort the image
- Budget Friendly: Fixed segment display with low cost and no polarizers

**Applications include Vehicular HUD, Smart Home, Aviation and Wearable.**



Please contact us ([info@orientdisplay.com](mailto:info@orientdisplay.com) or [sales@orientdisplay.com](mailto:sales@orientdisplay.com)) for further information and questions.

Orient Display Team