

Passive Matrix Vertical Alignment Offers Extremely High Contrast, Excellent Viewing Angles, Automotive- Grade Temperature Range, & Sunlight Readability

PMVA displays have 500-1700:1 contrast ratio and 140 degree horizontal and vertical viewing angles. We also offer operating temperature of -30 ~80c with uniform background color and contrast throughout the temperature range.

Vertical Aligned LCDs have vertically aligned crystals in it's natural off state. An electric charge to the glass substrate moves the crystals to a flat horizontal position (Fig. 1). The horizontal crystals provide less backlight leakage through the tiled liquid crystal allowing for exceptional sunlight readability, high contrast, and ultra wide viewing angles.

Hantronix PMVA technology is well suited for many applications including industrial, medical, consumer, audio, marine and automotive.

Please contact us or your local area representative for an on site demonstration.



Instrument panel



Air conditioner panel at rear seat

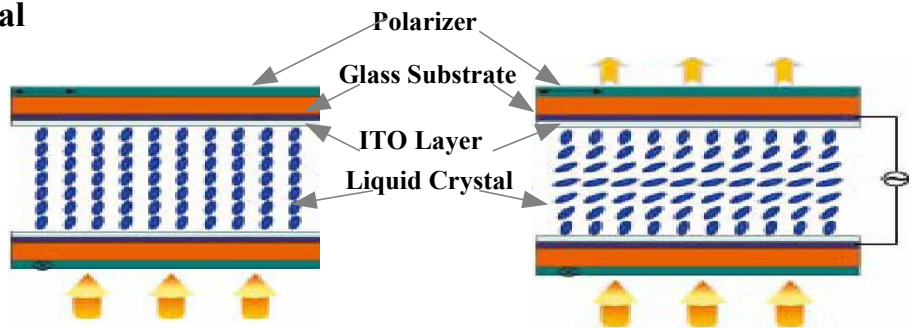


Fig. 1
Vertical Alignment switching mode in the off (left) and on (right) state. In the off state the crystal is vertically aligned. In the on state the crystal tile horizontally.