

TECHNICAL BRIEF

BY: AZD ENGINEERING

Unique New TFT Panels

To differentiate ourselves in today's LCD market, we would like to highlight a few exclusive displays. The 3.5" Digital PD035VX2 and 8.0" Analog PA080XS1 are the most compact VGA displays in the industry. In addition, the 5" Analog PA050XS1 carries the highest resolution (960x234) in the Analog TFT industry.



TFT Brightness and Sunlight Viewable Panel Enhancements

Options such as DBEF (dual brightness enhancement filter) and A/R (anti-reflective) coatings are available for all of our TFT displays. A DBEF filter can enhance a TFT display up to 50 percent of its original brightness. Meanwhile, the A/R coating reduces the glare and reflectance of the TFT panel. The combination of these two coatings contributes to a brighter display that makes it more visible in full daylight.

Transflective TFT Displays Possible?

AZ Displays/PVI's R&D group is working on a transflective type polarizer for late 2006. Specifically TMR technology, which is transmissive + reflective creates a type of transflective display. TMR is currently being developed for 3.5" VGA, 5.0" VGA, and 6.4" VGA displays. The definition of this technology is: TMR = 30% enhanced brightness + increased transflective properties. As this technology develops further, we hope it will be available for all of our TFT offering.