



Orient Display Bi-Stable LCD Modules Features

Bi-stable can retain an image without power. The crystals may exist in one of two stable orientations and power is only required to change the image. Bi-stable LCD can change colors, and keep that color even when power is cut off.

Bi-stable LCD Advantages:

- Reflective display with excellent sunlight readability.
- Low power: Zero power is used when the image is stable.
- Ultra wide viewing angle = 80 degrees in all directions.
- High resolution graphic with 200 dpi. Up to 256 levels of gray scale.
- No polarizer, no color filter, and no backlight are used.
- No flickering: human eyes will not fatigue.

Technical Details:

- Bi-Stable displays need protection from UV.
- Bi-Stable displays are slow to change. Image refresh is 8 seconds at 25°C.
- Operating voltage of 35V is achieved with an internal charge pump.
- Add a transparent cover to protect the LCD viewing area.
- Anti reflective / anti glare film added to the cover will improve the optics.

Size	Resolution	LCD Color Combination	Demo Board	V.A. Size	Module Size	Model
3.0	132X64	White on Blue	JAZZ-CB	67.5X35.3	70.5X44.3	JAZZ-CW-B
3.0	132X64	Green on Black	JAZZ-CB	67.5X35.3	70.5X44.3	JAZZ-CG-D
3.0	132X64	Yellow on Black	JAZZ-CB	67.5X35.3	70.5X44.3	JAZZ-CY-D
3.0	132X64	Yellow on Pink and Blue	JAZZ-CB	67.5X35.3	70.5X44.3	JAZZ-CY-PB

Product Information

<http://orientdisplay.com/bistable-lcd-modules.html>
http://www.orientlcd.com/category_s/1849.htm