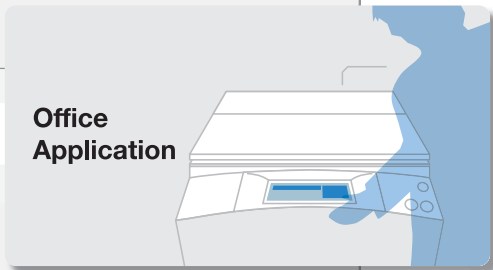


Kyocera continues to evolve its advanced technologies, supporting a wide range of applications.

Business Machine / Facsimile



Office Application

Telephone / Remote Control



Home Application

Programmable Terminal Panel Computer



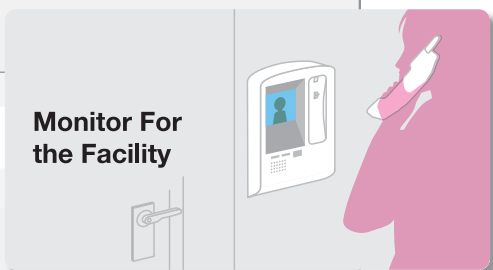
Factory Automation Monitor

Drink Vending Machine
Ticket Vending Machine



Vending Machine

Door Phone / Parking Meter

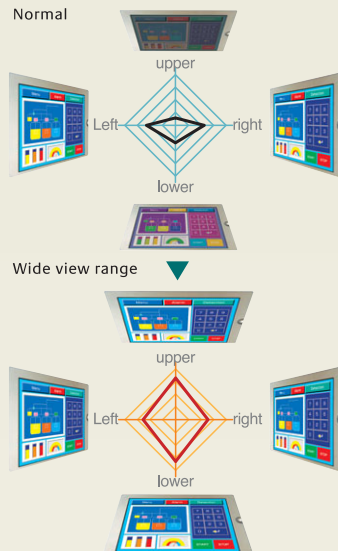


Monitor For the Facility

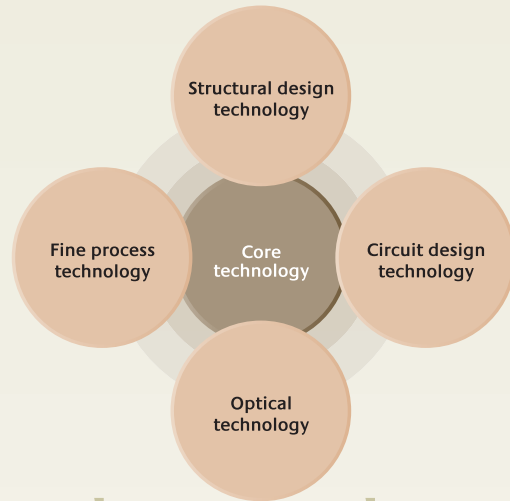
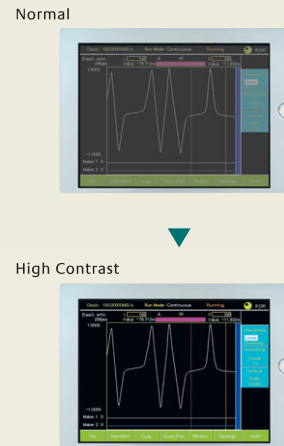
Evolving STN LCD

Kyocera has worked to improve the performance characteristics of STN LCDs since the start of its LCD business. Kyocera has achieved wide viewing angles, high contrast, and high color purity, to name a few. Additionally Kyocera has introduced state of the art transfective displays to meet readability requirements in a variety of lighting environments, and LED backlights for optimum ecological impact.

Wide View Range LCD



High Contrast LCD



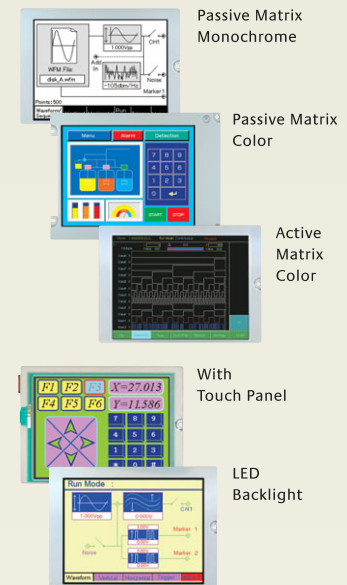
Technical Development

TECHNOLOGY & APPLICATION

Series products

Kyocera has a wide range of products with mechanical compatibility. This includes color and monochrome types, passive and active types, CCFL or LED backlight types, and so on. Kyocera's wide selection of LCD products serves a multitude of applications and customer needs.

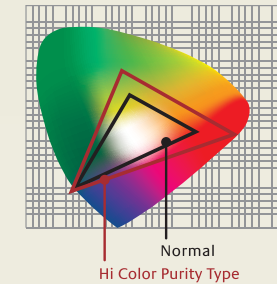
Example of 5.7" V-Series Products



In-house color filter production

The color filter is one of the most important components of a color LCD, because it determines the optical characteristics, such as color reproducibility, contrast, and brightness. Kyocera designs and manufactures its own proprietary color filters. By combining color filter technology with design technology for backlights and cases Kyocera is able to develop and supply state-of-the-art LCD performance.

CIE Color Chart



LED backlights

LCD modules with LED backlights have been added to our product lineup. The mercury-free LED backlights are environmentally friendly and compliant with RoHS Directives.

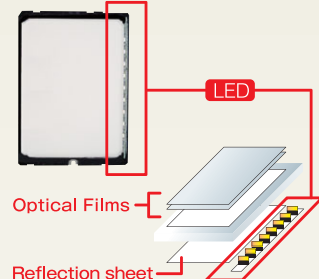
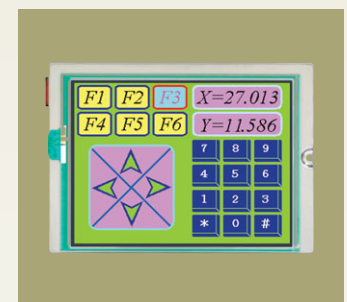
They also feature the following:

- 1) driving without inverters, resulting in reduced EMI
- 2) low power consumption
- 3) increased mechanical shock resistance
- 4) wide range of brightness adjustment

LCDs with LED backlights are suitable for portable devices and measuring instruments. They are available with or without a constant current circuit to drive the LED backlight.

LCD module with touch screen

Kyocera V-Series LCD modules are available with 4-wire resistive touch screens already installed.

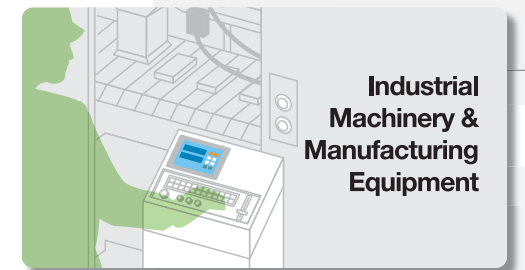


Handheld Terminal / Weight Scale



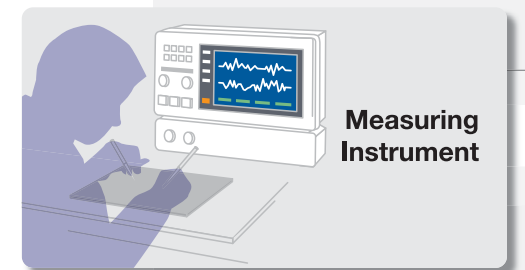
POS

Machine Tools
Machinery Control Panels
NC Robot



Industrial Machinery & Manufacturing Equipment

Oscilloscope
Handheld Measuring Instrument



Measuring Instrument

Flowmeter / Wattmeter



Electric Meter

Crane Truck / Forklift



Vehicle