

NEC Announces 2.7-Inch QVGA LCDs for Mobile Applications

April 19 2005



NEC LCD Technologies, Ltd. today announced that sample shipments of its 2.7-inch (6.8cm diagonal), quarter video graphic array ("QVGA"), amorphous silicon thin-film-transistor liquid crystal display ("TFT LCDs"), part number "NL2432HC17-01B," will commence in June 2005. This model realizes high contrast, vivid display, and low power consumption making it ideal for use in mobile terminals.

The main characteristics of the new model are as follows:

High Levels of Visibility:

This model achieves a high contrast ratio of 400:1, which is the highest contrast ratio level in the category of color TFT LCD modules for mobile terminal use. It realizes this high level of visibility through the brightness level of 180cd/m². In addition, it achieves a quick response time of 25ms, representing the fastest response time in the category of color TFT LCD modules for mobile terminal use. It also enables high quality moving images.

Touch Panel-Equipped:

Equipped with a touch panel that rapidly increases its demand for use in mobile terminals, this model also brings many benefits for manufacturers of mobile terminal equipment in terms of development cost and lead time.

Low Power Consumption:

This model realizes low power consumption of 220mW, while also simultaneously boasting a touch panel, high contrast ratio, and high brightness. Low power consumption is an extremely important factor for mobile terminals as it contributes to enabling longer battery life.

Recently, all kinds of terminals are rapidly merging with cellular phones. This has brought about the birth of a new type of terminal called "smart phones," which are compound portable terminals that possess cellular phone and PDA functions. GPS-enabled portable terminals are now becoming widespread in Western Europe and North America.

This evolution in mobile terminals has brought with it an extreme rise in the display of information and images on new and advanced terminals, which has in turn induced a great demand for LCDs enabling vivid color display, high visibility, and suppressed power consumption simultaneously. NEC LCD Technologies has specifically developed this new 2.7-inch LCD to respond to these new and emerging needs.

NEC LCD Technologies will continue to commercialize products boasting high added-value such as those with high picture performance and high specifications even in the field of small LCD modules for mobile terminals, aiming to contribute to the evolution of future mobile devices and the development of new fields.

Citation: NEC Announces 2.7-Inch QVGA LCDs for Mobile Applications (2005, April 19)
retrieved 10 April 2024 from <https://phys.org/news/2005-04-nec-inch-qvga-lcds-mobile.html>

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