



Himax Technologies, Inc.

**HX7005**

800x600 0.62" Color LCOS Panel

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## 1. General Description

The HX7005 is an active matrix liquid crystal display with display mode 800x600. Horizontal digital data drivers and vertical scan drivers are integrated with single crystal pixel transistors to meet the performance demands of high-speed and high-resolution display applications. The HX7005 receives 8-bit by 3 dots (RGB) of digital display data per clock from external and generates corresponding 256-level gray scale voltage output, which can realize a 16M colors display simultaneously.

## 2. Features

- Total 800x600xRGB
- No spacers in the display area
- RGB 8-bit digital inputs
- Building in single port LVDS receiver
- Integrated horizontal data and vertical scan drivers
- Horizontal and vertical bi-directional scanning
- Embedded DE mode timing controller.
- Maximum 13.3V
- Capable of output 256 gray scales by means of 10 external  $\gamma$  reference voltages

