

New 3.5" IPS Displays with MIPI Interface



Our new 3.5" IPS TFT displays set the standard for high-data throughput and superior screen graphics in a compact, 640x480 high-resolution design.

Featuring 4-Lane MIPI DSI

What sets our new 3.5" displays apart is the 4-lane MIPI DSI (Mobile Industry Processor Interface Display Serial Interface) providing them with additional benefits. With 4 data lanes, it can transmit data at a significantly higher rate compared to versions with fewer lanes. The increased data throughput of the 4-lane MIPI DSI allows it to support displays with high resolutions and refresh rates, resulting in smoother animations, deeper color depths, and improved user experiences, especially in gaming and multimedia applications. 4-lane MIPI DSI also reduces the need for data compression and improves multitasking capabilities in devices. MIPI interfaces are designed to minimize EMI, which can be crucial in medical applications or wireless communication systems. For devices that prioritize high-end graphics and display quality, 4-lane MIPI DSI offers a clear advantage in terms of performance and versatility.

TFT Features

- 3.5" IPS display with 640x480 high resolution
- Sunlight readable with high brightness backlight
- Full viewing angles
- 4-Lane MIPI DSI interface
- Capacitive touchscreen option with I²C interface
- Built-in EMI shielding
- Built-in display driver and touchscreen controller

Product Part Numbers

- > NHD-3.5-640480EF-MSXP
- > NHD-3.5-640480EF-MSXP-CTP