

# New 3.5" HDMI TFT Modules



These advanced IPS displays offer a rich visual experience with full 24-bit color, high pixel density, and 640x480 resolution, perfect for applications where exceptional picture quality comes first.

## Our Smallest All-in-One HDMI + USB Touch Solution

Engineered for performance, these 3.5" modules feature HDMI and USB connections for effortless plug-and-play functionality. The micro-USB connector doubles as the power input port for the module, eliminating the need for a traditional DC power jack and simplifying setup even further.

Whether you're developing for medical equipment, home automation, or DIY and gaming applications, these displays are built for quick deployment and long-term reliability. Built-in EMI shielding ensures signal integrity in high-interference environments, while Pulse Width Modulation (PWM) support allows for dynamic backlight dimming, perfect for both high-brightness outdoor use and low-light environments. PWM also contributes to energy efficiency and longer display life, making it ideal for embedded systems with extended lifecycles.

### Notable Features

- 3.5" IPS display with 640x480 high resolution
- HDMI interface
- High pixel density: 228 PPI
- Sunlight readable with high brightness backlight
- Adjustable brightness with PWM
- IPS Technology with full viewing angles
- Built-in EMI shielding and mounting holes
- USB-HID capacitive touchscreen + cover glass option
- 5V power via USB

### Product Part Numbers

- NHD-3.5-HDMI-HR-RSXP
- NHD-3.5-HDMI-HR-RSXP-CTU