1.22 Inch 240x204 Dots Round Shape IPS Full Viewing Angle SPI Interface TFT LCD Screen Display Module

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH

Product Specification

- Color Gamut: RGB
- Size: 1.22 Inches
- Lcd Type: TFT
- Display Type: TFT LCD
- Backlight Type: LED
- Light Source: White LED*6 (Customizable)
- Connect: FPC Connector Type
- Backlight: LED Backlight
- Highlight: **1.22 inch TFT LCD Screen**, **240x204 dots TFT Display**, **IPS Full Viewing Angle LCD Module**

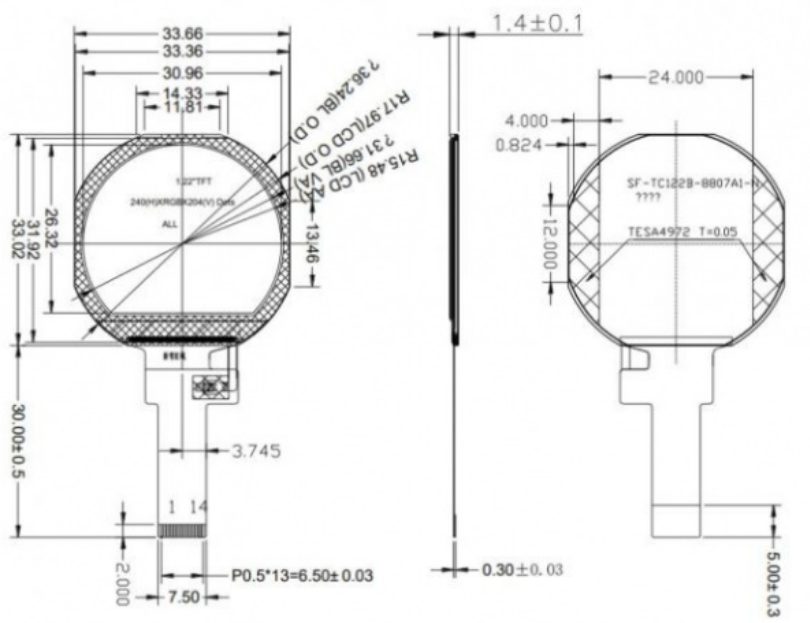
Product Description

1.22" 240x204 Dots Round Shape IPS Full Viewing Angle SPI Interface TFT LCD Screen

Product Specifications

Product	1.22" TFT LCD Screen
Touch Screen	Without Touch Screen (Customizable)
Resolution	240x204
Viewing Direction	IPS Full Viewing Angle (80/80/80/80)
Driver IC	ST7789V
Pin Number	14 Pins
Connection	FPC Connector Type
Surface Luminance	300 Cd/m² (nits)
Interface	SPI
LED Lifetime	40,000 Hours

Product Drawing



Product Core Features

This color circular display module is specifically designed for small portable smart devices. With a diagonal size of 1.22 inches and resolution of 240×204, it utilizes IPS (In-Plane Switching) wide-angle technology to deliver clear viewing angles exceeding 80° in all directions without color distortion or brightness degradation.

The display is driven by ST7789V/ST7789H2 IC with a standard 4-wire SPI high-speed interface (10-pin design). This simple communication protocol requires minimal wiring and offers perfect compatibility with mainstream embedded platforms including Arduino, STM32, and Raspberry Pi, supported by comprehensive driver libraries and sample codes for rapid development.

Display capabilities include 262K true colors, brightness of approximately 300 cd/m², and contrast ratio of 700:1, ensuring vivid and clear images in most indoor and outdoor scenarios. The ultra-thin module design (typically under 2.6mm, with ultra-thin versions at 1.35mm) and lightweight construction facilitate easy integration into compact structures.

Operating temperature ranges from -10 to 60 , with industrial-grade versions extending to -20 to 70 , suitable for both consumer and industrial applications. Optional capacitive touch functionality further expands interaction possibilities.

Technical Advantages

- Lower cost and superior burn-in resistance compared to OLED displays of similar size
- IPS full-viewing angle technology outperforms ordinary TN screens in color stability and viewing angles

SPI interface optimizes speed while conserving hardware resources for microcontroller systems

Typical Applications

Smart wearable devices: Smart watches, fitness trackers, and sports accessories displaying time, heart rate, steps, and battery levels with traditional circular aesthetics

Maker and open-source hardware: Color status panels for Raspberry Pi and Arduino projects showing sensor data, graphical UI, and debugging information

Portable instruments and medical devices: Handheld blood pressure monitors, pulse oximeters, and environmental detectors with clear multi-angle readability

Smart home and IoT terminals: Circular smart switches, thermostats, and gateway panels enhancing product appearance and user interaction

Vehicle and industrial displays: Tire pressure monitors, industrial meters, and PLC auxiliary displays suitable for environments with vibrations and temperature fluctuations

Toys and consumer electronics: Small robots, Bluetooth speakers, and headphones with status and battery level displays

Frequently Asked Questions

I want the LCD display 8 digits and the outline size is 65x30x2.8mm. Can you provide this?

Yes, we can accommodate your requirements. Please provide your specifications or drawing. If you don't have specifications, you can send

samples and we'll recommend suitable options from our standard products or customize according to your needs.

This LCD is what we want, but the size is too big. Do you have smaller sizes? The display content also needs minor changes.

For segment-type LCD modules requiring size modifications or display content changes, we need to create a new LCD glass module, which involves opening new tooling specifically for your project.

This LCD display is HTN type, but I want STN type. Can you make this change?

Absolutely. We can modify the display type to STN according to your requirements.

I want to customize a new LCD module. Can you do this?

Yes, we specialize in custom LCD modules. Please provide your drawing or specifications including outline size, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, drive conditions).

What is the lead time for tooling?

Typically, tooling requires 15 to 25 days after drawing confirmation and tooling charge payment. We will provide exact timelines once your drawing is confirmed.

Can you send samples for evaluation?

Yes, sample orders are available for your testing and evaluation purposes.

What is the production lead time?

For standard products in stock, lead time is one day after payment. For mass production of custom orders, lead time is approximately 15-30 days. We will notify you in advance if we can complete your order sooner.

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