

2.2 Inch Small LCD Display with 240x320 Resolution 300 cd/m² Brightness and SPI Interface

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO90001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.7-7USD
- Packaging Details: CARTON
- Delivery Time: 3-47WEEKS
- Payment Terms: T/T
- Supply Ability: 100000/MONTH



Product Specification

- Back-light: LED Side-light Type
- Interface Type: SPI
- Drive: ST7789V
- Lcd Active Area: 33.48*44.64
- Peration Temperature: -20 +70
- Luminance: 300 Cd/m²
- Resolution: 240 X 320 Pixels
- Keywords: Small LCD Display
- Highlight: **2.2 inch ST7789V LCD display, small LCD display 300 brightness, 240x320 resolution LCD screen**



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2.2 Inch ST7789V LCD Display - 240×320 Resolution, 300 Brightness

This 2.2-inch 240×320 resolution ST7789V LCD display is a compact display module engineered for embedded systems and DIY applications, offering high performance in a small form factor.

Technical Specifications

Size	2.2 inch
Resolution	240 × 320 pixels
Active Area	33.48 × 44.64 mm
Pixel Pitch	139.5 × 139.5 μm
Outline Dimension	40.10 × 54.76 × 2.30 mm
Pixel Arrangement	RGB Vertical Stripe
Display Mode	Normally White
Viewing Angle	12 O'CLOCK
Display Colors	262K
Brightness	300 cd/m ²
Contrast Ratio	500:1
Interface	4 Line SPI
Back-light	LED Side-light type
Driver IC	ST7789V
Operation Temperature	-20°C to 70°C
Storage Temperature	-30°C to 80°C
Response Time	8 ms
Pin Number	10

Key Features

- High-performance ST7789V driver chip optimized for small TFT LCDs
- Superior TFT technology with excellent color reproduction
- Wide viewing angles with minimal color distortion
- Compact design with narrow borders for space-constrained applications
- Efficient power consumption control for low-power devices
- Supports 8080 parallel interface and SPI serial communication
- Compatible with popular MCUs including STM32, Arduino, and ESP32

Applications

- Smart Wearable Devices:** Smart watches, fitness trackers displaying time, heart rate, and step counts
- Portable Electronics:** Thermometers, timers, handheld dashboards for real-time data display
- Industrial Control Systems:** Equipment status displays showing operational parameters and fault information
- Medical Equipment:** Blood glucose meters, blood pressure monitors for clear measurement readouts
- Smart Appliances:** Coffee machines, ovens displaying operational status and settings
- Drone Systems:** Ground control station displays showing flight data and battery voltage

Product Images



Production Line Capabilities

Clean Room class 10k@0.8um, Pressure 0.8kgf

Antistatic floor with resistance: 1×10^9 ohm to 1×10^{10} ohm

COG production lines: 4

Backlight production lines: 2

Current machine capacity: 1 million units per month



Product Demonstration



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