

## 3.5-inch High Brightness 450 cd/m<sup>2</sup> Small TFT LCD Display with RGB Stripe Pixel Arrangement

Our Product Introduction

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### 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

- Panel Type: TFT LCD
- Pixel Pitch: 0.2025 Mm
- Lcd Type: TFT
- Luminance: 450 Cd/m<sup>2</sup>
- LCD Type: Normally Black
- Pixel Arrangement: RGB Stripe
- Touch Screen: Customized
- IC: ST7703I
- Highlight: **3.5-inch TFT LCD Display ,  
450 cd/m<sup>2</sup> Small LCD Display,  
RGB Stripe TFT Screen**



## 3.5-inch High Brightness TFT LCD Display

High-quality 3.5-inch TFT LCD display module with exceptional brightness and reliability for industrial and commercial applications.

### Technical Specifications

Product Name	TFT LCD Screen
TFT Screen Display	Active Matrix TFT
IC/LCM Driver IC	ST7703I
Operating Temperature	-20°C to +70°C
Pixel Pitch (W*H)	0.2025
Number of Pixels	640×3RGB(H)×480(V)
Brightness	450cd/m <sup>2</sup>
Pixel Arrangement	RGB Stripe
LCD Type	Normally Black
Viewing Direction	ALL O'CLOCK
LCM Pin Count	22

### Key Features

- LCD TFT Display Panel
- TFT LCD Display Module
- Backlight current: 40
- Pixel arrangement: RGB Stripe
- Operating temperature: -20°C to +70°C
- LCD Type: Normally Black
- Pixel Pitch (W\*H): 0.2025

### Product Overview

This 3.5-inch TFT high-brightness LCD display is a compact display device widely used across various industries. Its small form factor makes it ideal for integration into space-constrained devices while delivering excellent performance.

### Technical Details

**Size and Appearance:** Compact 3.5-inch diagonal screen designed for easy integration into small devices.

**Resolution:** Available in various resolutions including 320×240, 480×320, and 800×480 to suit different application requirements from basic industrial control to high-definition medical displays.

**Brightness:** Standard models offer 350-450cd/m<sup>2</sup>, high-brightness models reach 600-800cd/m<sup>2</sup>, with some products achieving 1000nits for sunlight visibility.

**Display Technology:** Utilizes TFT technology with IPS hard screen for 178° full viewing angle and consistent color/brightness from any angle.

**Color Reproduction:** Multiple color gamut options from 45% NTSC (basic) to 85% NTSC (flagship) with color depths of 6bit, 8bit, or 10bit.

**Touch Function:** Resistive (pressure sensing, -20°C operation) or capacitive (5-point touch, glove mode, wet hand operation) options available.

**Environmental Adaptability:** Operating temperature -30°C to 80°C, storage temperature -40°C to 85°C, IP67 waterproof/dustproof rating, chemical strengthened glass with anti-salt fog corrosion.

### Applications

**Industrial Automation:** PLC handheld programming devices, sensor display terminals, production line equipment

**Smart Home:** Smart door locks, temperature controllers, curtain control panels

**Medical Electronics:** Portable blood glucose meters, blood pressure monitors, ultrasound probes

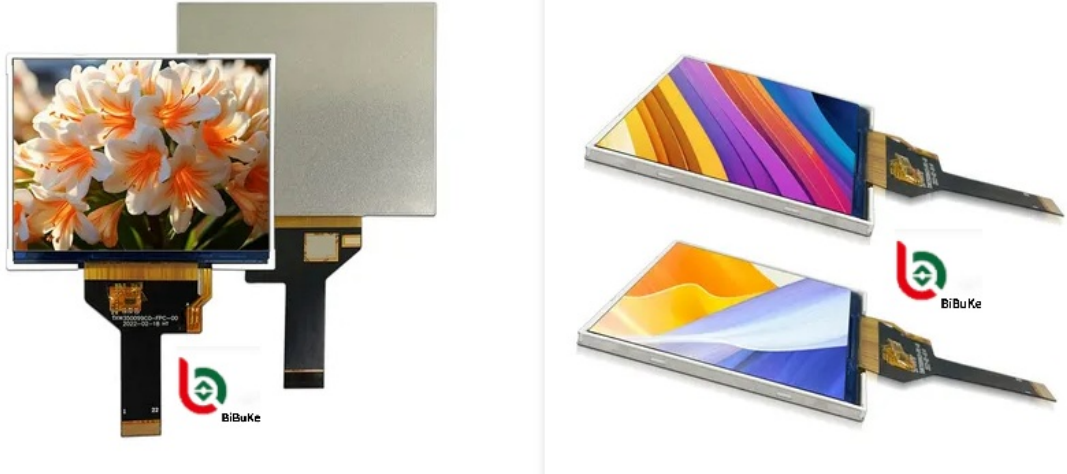
**Vehicle Electronics:** OBD diagnostic instruments, reversing radar displays, taxi meters

**Consumer Electronics:** Mini game consoles, smart photo frames, electronic dictionaries

**IoT Terminals:** Smart courier cabinets, shared equipment, agricultural sensors

**Military Security:** Combat terminals, explosion-proof monitoring, shipboard instruments

**Financial Payment:** POS machine displays with anti-spy viewing angle control



## Frequently Asked Questions

### I want the LCD display 8 digits and the outline size is 65x30x2.8mm. Is this possible?

Yes, we can accommodate this requirement. Please provide your specifications or drawing. If unavailable, send samples and we'll recommend suitable standard products or customize based on your requirements.

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

For segment type LCD modules requiring size or content modifications, we can create new LCD glass modules with custom tooling.

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

Yes, we can modify the display type according to your requirements.

### I want to customize a new LCD module. Is this possible?

Absolutely. Please provide your drawing or specifications including outline size, display information, glass thickness, polarizer type, display type, connector mode, temperature ranges, supply voltage, viewing direction, and drive conditions.

### What is the lead time for tooling?

Typically 15-25 days after drawing confirmation and tooling payment. We'll provide exact timelines upon drawing approval.

### Can you send samples for evaluation?

Yes, sample orders are available for testing and evaluation.

### What is the lead time for production?

Standard products in stock ship within one day after payment. Mass production for custom orders typically takes 15-30 days, with earlier completion communicated in advance.



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