

## 3-inch 300 cd/m<sup>2</sup> 360x640 Resolution TFT LCD Display Small LCD Screen

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

- Driver Ic: ST7701S
- Display Type: Normally Black
- Viewing Angle: ALL
- Size: 3.0 Inch
- Touchscreen: No
- Storage Temperature: -30°C To 80°C
- Luminance: 300 Cd/m<sup>2</sup>
- Module Size: 49\*84.5\*2.15mm
- Highlight: **3-inch Small LCD Display,  
300 cd/m<sup>2</sup> TFT LCD Display,  
360x640 Resolution LCD Screen**



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## Product Description

### 3-inch 300nits 360×640 TFT Small LCD Display

A high-performance 3-inch TFT LCD display featuring 360×640 resolution and 300 nits brightness, designed for various industrial and commercial applications.

#### Technical Specifications

Operating Temperature	-20°C ~ +70°C
IC/LCM Driver IC	ST7701S
Size	3.0 inches
LCD Type	Normally Black
Lumens Degrees	300cd/m <sup>2</sup>
Active Area	36.8×65.4mm
Pixel Pitch (W×H)	0.18mm × 0.18mm
Mechanical Outline Size (W×H×T)	49×84.5×2.15mm
Viewing Direction	ALL O'CLOCK

#### Key Features

- High Brightness TFT Display (300cd/m<sup>2</sup>)
- HDMI TFT LCD Display Interface
- Elevator TFT LCD Display Compatibility
- Wide Operating Temperature Range (-20°C to +70°C)
- All-O'Clock Viewing Direction
- Fine Pixel Pitch (0.18×0.18mm)
- ST7701S Driver IC

This 3-inch 360×640 TFT LCD display delivers clear image quality on compact screens with fast response times and excellent color performance. The narrow bezel design maximizes screen space while maintaining an aesthetic appearance.

Featuring IPS technology for 80/80/80/80 wide viewing angles, the display maintains color accuracy and clarity from multiple perspectives. With an operating temperature range of -20°C to 70°C and storage range of -30°C to 80°C, it performs reliably across diverse environmental conditions.

Available with MIPI and RGB interfaces, the display supports high-speed data transmission with simplified circuit design and broad device compatibility.

#### Applications

**Medical Equipment:** Portable medical instruments, blood glucose meters, blood pressure monitors, and medical monitoring equipment for displaying vital signs and test results.

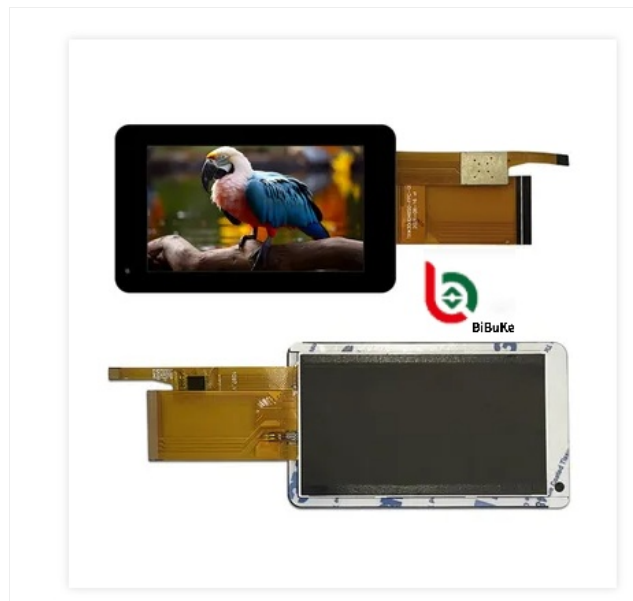
**Industrial Control:** Industrial instruments and panels for real-time data and image display, featuring high stability and durability for demanding industrial environments.

**Vehicle Display:** Vehicle information systems for speed, RPM, fuel consumption, navigation, and reverse camera functions to enhance driving safety and comfort.

**Smart Home:** Smart thermostats, microwave ovens, and ovens with intuitive operation interfaces and information displays.

**Handheld Devices:** Portable game consoles, digital cameras, and media players with compact size and excellent display quality.

**Digital Signage:** Small digital signage systems including store price tags and information boards for clear text and image presentation.



## Frequently Asked Questions

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

Yes, we can accommodate custom specifications. Please provide your detailed specification document or drawing. If you don't have specifications, you can send samples, and we'll recommend suitable standard products or customize based on your requirements.

### **This LCD is what we want, but it's too big. Do you have smaller sizes? Can the display content be modified?**

For segment type LCD modules requiring size modifications or display content changes, we need to create new LCD glass modules, which involves opening new tooling.

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

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

### **Can you customize a new LCD module?**

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

### **What is the lead time for tooling?**

Typically, tooling requires 15 to 25 days after drawing confirmation and tooling charge payment. We'll provide the exact timeline upon drawing approval.

**Can you send samples for evaluation?**

Yes, sample orders are available for quality verification.

**What is the lead time for production?**

For standard products in stock, lead time is one day after payment. For mass production of custom items, lead time is approximately 15-30 days. We'll notify you promptly if we can complete orders earlier.



**Dongguan Bibuke Electronic Technology Co., Ltd.**



+8613711912723



Jack@smartwinlcd.cn



lcdtftscreen.com

Shangyu Commercial Centre Chang'an, Dongguan, Guangdong, China 523881