



## 4.3-Inch High Brightness 1000nits TFT LCD Module with 480x272 Resolution for Outdoor Visibility

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

- Pin Number: 40 Pins
- Brightness: 1000 Cd/m<sup>2</sup>
- Screen Type: LCD TFT
- Response Time: 10 Ms
- Resolution: 480\*272 Pixels
- Backlight Technology: LED
- Storage Temperature: -30°C To 80°C
- Outline Dimension: 105.5x67.2x3.0 (mm)
- Highlight: **1000nits Brightness TFT LCD Module, 480x272 Resolution LCD Display Module, 4.3-Inch Screen TFT Display Screen**



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## Product Description

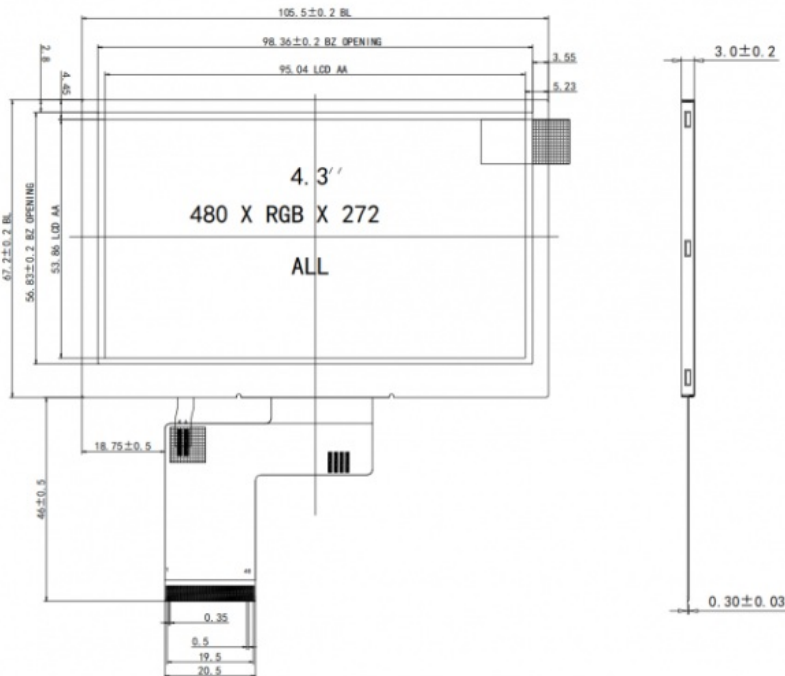
### 4.3-Inch High Brightness 1000nits 480x272 Resolution TFT LCD Module

High-brightness color TFT LCD module specifically designed for strong light and outdoor visibility applications.

#### Product Specifications

Product	4.3 Inch TFT LCD	Resolution	480×272 Dots
Interface	RGB	Operating Temp.	-20 to +70
Storage Temp.	-30 to +80	Viewing Direction	Free (80/80/80/80)
Touch Screen	No Touch (PCAP Optional)	Driver IC	ILI6485
Pin Number	40 PINS	Outline Dimension	105.5×67.2×3.0 (mm)
Connection	ZIF	Surface Luminance	1000cd/m <sup>2</sup>

#### External Dimensions



#### Product Introduction

The 4.3-Inch High Brightness 1000nits 480x272 TFT LCD Module is a color TFT liquid crystal display module specifically engineered for superior visibility in strong light and outdoor environments. Featuring 1000 nits ultra-high brightness and 480×272 (WQVGA) resolution with a 16:9 wide screen ratio.

#### Core Parameters

- Size: 4.3 inches (diagonal)
- Resolution: 480×272 pixels (WQVGA)
- Brightness: 1000 nits (typical value) for clear readability in sunlight
- Display Type: a-Si TFT-LCD, color (260,000 colors / 24-bit RGB)
- Interface: 24-bit RGB/TTL, some models support QSPI/MCU interface
- Driver IC: ST7282 or NV3041/NV3047
- Operating Voltage: 3.1-3.5V (typical 3.3V)
- Operating Temperature: -20 to +70 for wide temperature stability
- Thickness: Approximately 3-5mm (excluding FPC)
- Touch: Resistive (RTP) or capacitive (PCAP) touch panel options

## Core Features

High-brightness outdoor visibility: 1000nits brightness ensures clear viewing in sunlight

Wide temperature stability: Reliable operation from -20 to +70

Flexible interfaces: Compatible with embedded platforms including STM32 and Arduino

Low power consumption with long lifespan: LED backlight suitable for battery-powered applications

Optional full-view: IPS panel options available with no distortion in side view

## Main Applications

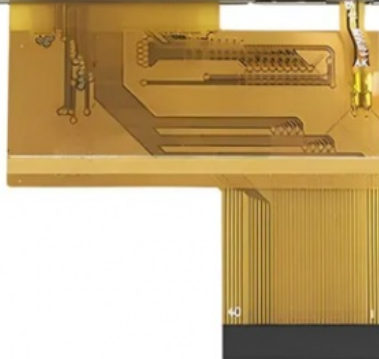
**Industrial and Outdoor Equipment:** Industrial handheld terminals, PLC/HMI interfaces, outdoor instruments, data collectors, control panels

**Vehicle and Transportation:** Vehicle navigation, driving recorders, rearview cameras, vehicle instruments, information displays

**Medical and Portable Testing:** Portable electrocardiographs, blood pressure monitors, infusion monitoring, handheld diagnostic equipment

**Security and Smart Home:** Video doorbells, access control systems, building intercoms, elevator displays, IoT control terminals

**Other Outdoor Applications:** Outdoor navigation, surveying instruments, logistics PDAs, advertising displays, solar equipment



## Frequently Asked Questions

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

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

**This LCD is what we want, but it's too big. Do you have smaller sizes? We also need to modify the display content slightly.**

For segment type LCD modules requiring size modifications or display content changes, we need to create a new LCD glass module 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. Can you do this?**

Yes, we offer custom LCD module services. Please send your drawing or provide specifications including outline size, 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 to 25 days after drawing confirmation and tooling charge payment. We'll provide exact timelines upon drawing approval.

**Can you send us samples for evaluation?**

Yes, sample orders are available for product 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 products, lead time is approximately 15-30 days. We'll notify you if we can complete orders earlier.



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



+8613711912723



Jack@smartwinlcd.cn



lcdftscreen.com

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