

## 3.97 Inch TFT LCD Screen with 262K Colors RGB Interface and Touch Screen

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: BBI
- Certification: ISO9001 RoHS
- Minimum Order Quantity: 1000
- Price: 0.78-7USD
- Packaging Details: CARTON
- Delivery Time: 3-4WEEKS
- Payment Terms: T/T
- Supply Ability: 300000/MONTH



### Product Specification

- Interface: RGB 16bit
- Light Source: 8 - Led White
- Screen Type: TFT
- Product Type: TFT LCD Screen
- Brightness: 300 Cd/m<sup>2</sup>
- Screen Size: 3.97 Inches
- Viewing Angle: 120'clock
- Display Technology: TFT
- Highlight: **262K Colors TFT LCD Screen,  
RGB Interface LCD Display Module,  
Touch Screen IPS TFT Display**



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## Product Description

### 300cd/M2 480x800 3.97 Inch RGB Interface IPS TFT LCD Touch Screen

#### Product Specifications

Resolution	800 (RGB) * 480
Size	3.97 Inch
Viewing Direction	12
TFT Mode	TFT, Transmissive

#### Detailed Technical Parameters

ITEM	CONTENT	DESCRIPTION
Display outline size	55.4 (H) * 96.7 (W) * 2.0 mm (T)	Physical dimensions of the display unit
Luminance	300cd/M2	Medium brightness level for indoor use
Resolution	800 RGB (H) * 480 (V)	Pixel configuration
With/Without Touch screen	CTP Or Without Option	Touch screen availability
Interface	RGB 16bit	Connection interface type
Backlight	8-Led White	Backlight configuration
Color	262K	Color reproduction capability
Drive IC	ST7701S	Driver integrated circuit





### Basic Parameters

#### Size

The diagonal size is 3.97 inches, with an effective display area of approximately 51.84mm \* 86.4mm.

#### Resolution

480\*800 pixel resolution with relatively low pixel density, ideal for industrial control interfaces and simple handheld devices.

#### Brightness

300cd/m<sup>2</sup> brightness provides clear display in indoor environments, though may be insufficient under direct strong light.

#### Interface

RGB interface delivers superior image transmission quality, supporting 18-bit RGB parallel connections with various main control chips.

#### Display Technology

- **IPS Panel:** Wide viewing angles (approximately 80° left/right/up/down) with minimal color/contrast shift and high color accuracy.
- **TFT LCD:** Fast response, high contrast, and 262K color display capability through independent pixel control.
- **Touch Screen:** Capacitive touch technology supports multi-touch with sensitive, precise operation.
- **Durability:** White LED backlight with 20,000-50,000 hour lifespan and operating temperature range of -20°C to +70°C.



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