

4.5 Inch 540x960 Resolution TFT LCD Touch Screen with 220 Cd/m2 Brightness IPS Panel and RGB Interface

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

- Display Outline Size: 59.6 (W) Mm X 108.3 (H) Mm X 1.6 (T) Mm
- Display Scale: 4:3
- Material: TFT
- Fpc Lenght: FPC Connector Type
- Operation Temp: -20 ~ +70
- VA Size: 55.49 (W) X 96.64 (H)
- Lcd Resolution: 540x960 Dots
- Interface: RGB
- Highlight: 4.5 Inch TFT LCD Touch Screen ,
540x960 Resolution TFT LCD Display ,
220 Cd/m2 Brightness TFT LCD Panel



Product Description

4.5 Inch 540 * 960 TFT LCD Resistive Touchscreen Ips Panel Lcd Mipi / Rgb Interface Optional

Product Overview

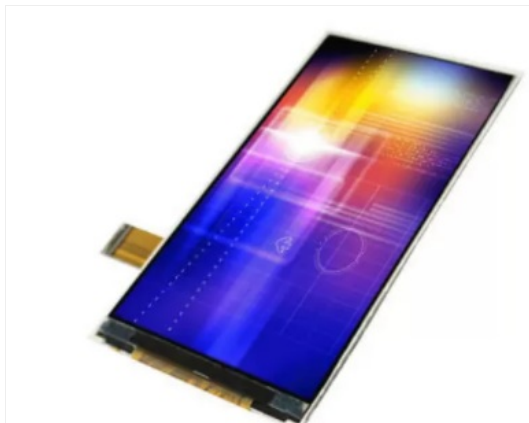
High-quality 4.5-inch TFT LCD display with IPS panel technology, offering excellent viewing angles and optional resistive touchscreen functionality.

Key Specifications

Parameter	Value
Resolution	540 × 960
Size	4.5 Inch
Viewing Direction	All Viewing Angle
TFT Mode	TFT, Transmissive
Products Status	Stock
Touch Panel	Without (option With)

Detailed Specifications

Item	Content	Description
1	Display outline size	59.6 (W) mm × 108.3 (H) mm × 1.6 (T) mm
2	VA size	55.49 (W) × 96.64 (H)
3	Resolution	540 (RGB) × 960
4	With/Without Touch screen	RTP / Without
5	Interface	RGB
6	Brightness	220 Cd/m ²
7	Connector	FH26-33S-0.3SHW (05)
8	Drive IC	OTM1285



Technical Features

Display Characteristics

- Size and resolution:** 4.5-inch diagonal with 540×960 pixel resolution for clear image and text display
- Panel type:** IPS technology with wide viewing angles (80°/80°/80°/80°) for consistent color from all angles
- Backlight type:** WLED backlight for low power consumption and good outdoor visibility
- Interface options:** MIPI (high-speed data transfer) or RGB (better compatibility) interfaces available
- Touch screen:** Optional resistive touch panel works with fingers or stylus, suitable for harsh environments

Physical Specifications

- Dimensions:** 60.0mm (W) × 109.0mm (H) × 1.8mm (T) with 55.49mm × 98.64mm viewing area
- Brightness:** 300-450cd/m² with 800:1 - 900:1 contrast ratio
- Color depth:** 16.7M colors for rich, vivid display



Manufacturing Capabilities

- Clean Room class 10k@0.8um, Pressure 0.8kgf
- Antistatic floor with resistance: 1×10 ohm to 1×10 ohm
- 4 COG production lines
- 2 Backlight production lines
- Production capacity of 1 million units per month

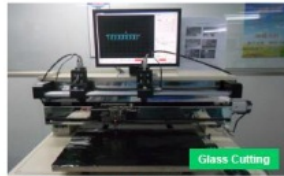
Production Equipments (1)

- Silk Screen
- Spacer Spraying
- Short Detection
- ITO Repair

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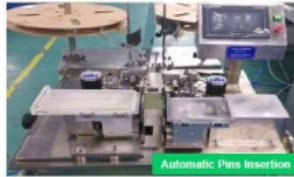
Production Equipments (2)



Glass Cutting



Glass Cutting



Automatic Press Insertion



Automatic Stripping

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Production Equipments (3)



COG Plasma Cleaner



ODG Automatic Bonding



ODG Bonding



Polarizer Attach

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