



Custom Transparent 4.3 Inch TFT LCD Display with 480x272 Resolution and IPS Technology

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

- Touchscreen: No
- Backlight Technology: LED
- Lcd Type: IPS
- Operating Temperature: -20~+70
- Connectivity: RGB
- Brightness: 220 Cd / M2
- Highlight: **4.3 TFT LCD display, 480x272 TFT color screen, transparent TFT LCD screen**



Product Description

Custom Transparent 4.3 TFT LCD Display

High-quality 480 × 272 dot TFT color screen with transparent display technology for enhanced visual integration.

Product Specifications

Resolution	480 × 272
Size	4.3 Inch
Viewing Direction	6 O'Clock
TFT Mode	TFT, Transmissive

Detailed Technical Parameters

Item	Content	Description
1	Display outline size	105.5 (W) mm × 67.2 (H) mm × 3.95 (D) mm
2	VA size	95.04 (W) × 53.86 (H)
3	Resolution	480 (RGB) × 272
4	With/Without Touch screen	Without, RTP, CTP Option
5	Interface	24 bit RGB interface
6	Brightness	220 Cd/m ²
7	Color	16M colors
8	Drive IC	OTA5180A

Core Technical Parameters

Screen size: 4.3 inches (diagonal)
Effective display area: approximately 95.04 × 53.86 mm
Resolution: 480 × 272 (RGB)
Aspect ratio: 16:9, pixel pitch: approximately 0.198mm × 0.198mm
Display type: Active matrix TFT, fully transparent / semi-transparent
Supports constant white / constant black mode, transmittance can be customized
Brightness: 300-800 cd/m² (high-brightness version suitable for outdoor environments)
Viewing angle: 178° (IPS) / 12 points (TN)
Interface: RGB24, SPI, MIPI
Operating temperature: -20 ~ +70
Size / thickness: approximately 105.5 × 67.2 × 3-4mm

Product Core Highlights

Transparent Display Technology: Enables virtual and real integration by overlaying digital content on physical objects
High Customization Capability: Optical parameters (transmittance, haze, coatings), hardware options, and structural modifications
Low Power Consumption: Typical working voltage 3.3V with LED backlight
High Reliability: Industrial-grade temperature range with strong anti-interference capabilities

Core Application Scenarios

Intelligent Cockpit & In-Vehicle Display: HUD, central control panels, seat screens
Retail & Commercial Display: Transparent windows, smart price tags, interactive advertising

Industrial & Medical Equipment: HMI interfaces, medical imaging, portable terminals

Smart Home & Consumer Electronics: Smart mirrors, appliance panels, wearable devices

Education & Cultural Creation: Interactive teaching aids, museum installations



Frequently Asked Questions

1. I want the LCD display 8 digits and the outline size is 65x30x2.8mm?

No problem. Please send us your specifications or drawing. If you don't have specifications, provide samples and we'll recommend suitable options or customize based on your requirements.

2. This LCD is just what we want, but it is big size, do you have any smaller size? And the display content need to be changed a little.

For segment type LCD modules, modifying outline size or display content requires a new LCD glass module with custom tooling.

3. This LCD display is HTN type, but I want STN type, can you make?

Yes, we can change the display type according to your request.

4. I want customize a new LCD module. Can you do?

Yes, we can. Please send your drawing or provide outline size, display information, and technical specifications for customization.

5. What is leading time for tooling?

Typically 15 to 25 days after drawing confirmation and tooling charge payment. Exact timing will be confirmed upon drawing approval.

6. Can you send us samples for checking?

Yes, sample orders are available.

7. What is the Leading Time?

For standard products in stock: 1 day after payment. For mass production of special orders: 15-30 days. We'll notify you if we can complete earlier.

Production Capabilities

Clean Room class 10k@0.8um, Pressure 0.8kgf

Antistatic floor, resistance: 1x10 ohm to 1x10 ohm

COG production lines: 4

Backlight production lines: 2

Existing machine capacity: 1KK per month



Quality Assurance

ISO9001 Quality Management certified

One year guarantee for unartificial damage

ROHS and REACH compliant

Key Advantages

Small LCD display screen solutions

Competitive pricing

Large production capacity

Full certification compliance

Custom dimensions available

STN blue small LCD display options



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