



Sunlight Readable 2.8 Inch IPS TFT LCD Screen with Resistive Touchscreen 240x320 Dots

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

- Active Area: 43.2(H) *57.6(V) (2.8inch)
- Surface Luminance: 1000 Cd/m2(nits)
- Storage Temperature: -30°C To 80°C
- Connect: Plugging In
- Pins Number: 50Pins
- Backlight Type: LED
- Size: 2.8 Inch
- Touchscreen: Optional Capacitive Touch
- Highlight: **Sunlight Readable TFT LCD Screen ,
2.8 Inch IPS TFT Display ,
Resistive Touchscreen LCD Display Module**



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Product Description

Sunlight Readable 2.8 Inch IPS TFT LCD With Resistive Touchscreen 240 X 320 Dots

High brightness daylight readable 2.8-inch IPS TFT LCD display with 240 x 320 pixel resolution and resistive touch screen, designed specifically for outdoor or bright environments.

Product:	2.8 Inch TFT LCD	Resolution:	240 X 320
Color:	262K	Touch Screen:	Without Resistive TP
Interface:	SPI/MCU/SPI+RGB	Viewing Direction:	IPS, All Viewing Angles
Driver IC:	ILI9341V	Connection:	Plugging In
Surface Luminance:	1000 Cd/m ² (nits)	Pin Number:	50 Pins
LED Lifetime:	40,000 Hours	Compliance:	REACH & RoHS Compliant

Display Screen Specifications

Size: 2.8 inches, suitable for portable devices and applications with limited space

Resolution: 240 x 320 pixels, providing clear image and text display

Resistive Touch Screen: Supports single touch for basic interaction needs

High Brightness: Backlight brightness reaches 1000 cd/m², ensuring clear readability in direct sunlight

IPS Technology: In-Plane Switching technology provides wide viewing angles from different perspectives

Multiple Interfaces: Compatible with SPI/MCU/SPI+RGB interfaces with plug-in FPC for stable installation

Reliable Display Specifications

Wide Temperature Operation: Adapts to temperature range from -20°C to 70°C

Industrial Grade Design: Durable construction and materials ensure stable operation in harsh environments

Anti-Glare Treatment: Reduces reflection and glare under direct sunlight, improving screen readability

Environmental Compliance: Meets RoHS and REACH standards for hazardous substance restrictions

Customized Services

Customization options available including specific interfaces, sizes, brightness, and other parameters to meet specific customer requirements.

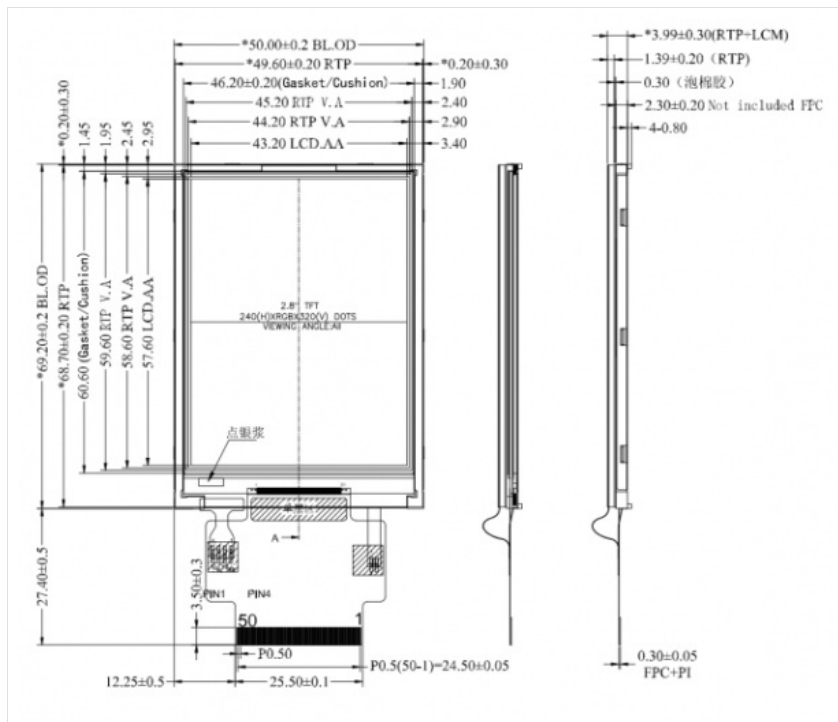
Application Scenarios

Ideal for outdoor information handheld devices, industrial control panels, medical equipment, automotive displays, digital signage, and other applications requiring clear display under strong light conditions.

Technical Specifications

General Information Items	Specification	Unit
Display area (AA)	43.2(H) × 57.6(V) (2.8inch)	mm
Driver element	a-Si TFT active matrix	-
Display colors	262K	colors
Number of pixels	240(RGB) × 320	dots
Pixel pitch	0.180(H) × 0.180(V)	mm
Viewing angle	ALL	o'clock
Drive IC	ILI9341V	-
Color Pixel Arrangement	RGB vertical stripe	
Display mode	Transmissive/ Normally Black	-
Operating temperature	-20 +70	
Storage temperature	-30 +80	





Pin NO.	Symbol	Level	Function
1	LEDK	L	BacklightK
2~5	LEDA	H	BacklightA
6	IM0	H/L	Select the MCU interface mode NOTE(1)
7	IM1	H/L	
8	IM2	H/L	
9	IM3	H/L	
10	RESED	H/L	Hardware reset pin
11	VSYNC	H/L	Vertical (Frame) synchronizing input signal for RGB
12	HSYNC	H/L	Horizontal (Line) synchronizing input signal for RGB
13	DOTCLK	H/L	Dot clock signal for RGB interface operation.
14	ENABLE	H/L	Data enable signal for RGB interface operation.
15~32	D17-DB0	H/L	Data bus
33	SD0	H/L	SPI interface output pin.
34	SDA	H/L	SPI interface input pin.
35	RD	H/L	Read enable clock pin
36	WR-RS	H/L	A register select signal
37	RS-SCL	H/L	Write enable clock input pin
38	CS	H/L	Chip select input pin
39	TE	H/L	Tearing effect output
40	IOVCC	H	Power supply(1.8V)
41	IOVCC	H	Power supply(2.8-3.3V)
42	VCI	H	Power supply(2.8-3.3V)
43	GND	L	Ground
44	XR	/	/
45	YD	/	/
46	XL	/	/
47	YU	/	/
48	GND	L	Ground
49	GND	L	Ground
50	GND	L	Ground

Frequently Asked Questions

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

No problem. Please send us your specification or drawing. If you don't have specifications, you can provide samples; we will recommend suitable standard products or customize based on your requirements.

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, if you need to modify the outline size or display content, a new LCD glass module is required. We will create new tooling for you.

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

That's all right. We can change the type according to your request.

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

Yes, we can. Please send your drawing. If you don't have one, please provide the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temp, operating temp, supply voltage, viewing direction, drive condition), and we can customize for you.

What is the lead time for tooling?

Generally, it takes 15 to 25 days after drawing confirmation and tooling charge payment. We will report the exact time when you confirm the drawing.

Can you send us samples for checking?

Yes, sample orders are available.

What is the Lead Time?

If we have stock for standard products, lead time is one day after payment. For mass production of special orders, lead time is about 15-30 days. If we can finish earlier, we will report the information in advance.



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