

4-Inch 720*720 Resolution Round TFT LCD Display with Free View Direction for Home Appliances and Medical Instruments

Our Product Introduction

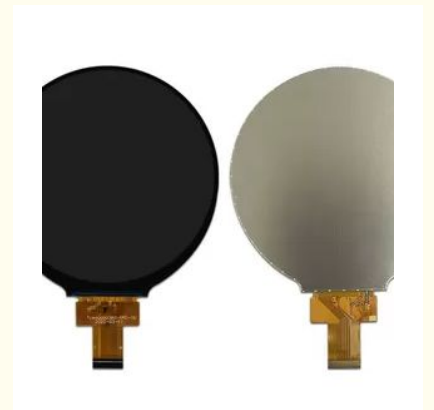
Basic Information

- 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

- Supplier Type: Manufacture
- Lcd Size: 4.0 Inch
- View Direction: Free
- Viewing Area: $\Phi 101.52\text{mm}$
- Surface Treatment: Anti-glare
- Module Outline Dimension: 105.6*109.87*2.13
- Warranty: 12 Months
- Resolution: 720*720
- Highlight: **4-Inch Round TFT LCD Display, 720*720 Resolution Round TFT LCD Display, Free View Direction Round TFT LCD Display**



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4-Inch 720*720 Round TFT LCD Display for Home Appliances and Medical Instruments

This high-resolution circular TFT LCD display features a compact 4-inch size with 720*720 pixel resolution, delivering crisp visuals with approximately 280 PPI density. Its circular design and TFT technology provide accurate color reproduction and fast response times, making it ideal for various applications in home appliances and medical devices.

Product Specifications

- **Viewing Direction:** All O'clock
- **Pixel Pitch (W*H):** 0.047*0.141 mm
- **Number of Pixels:** 720*720
- **Active Area:** Φ 101.52 mm
- **IC/LCM Driver IC:** NV3051F
- **Size:** 4.0 inches
- **Lumens Degrees:** 450cd/m²
- **Pixel Arrangement:** RGB Stripe
- **LCM Interface:** MIPI 4 LANE BIT Interface

Key Features

- Round Liquid Crystal Display with circular TFT LCD technology
- Active Matrix Technology for superior image quality
- Full Color Display with high resolution (720*720 pixels)
- Wide Viewing Angle (All O'clock direction)
- Thin Film Transistor (TFT) Technology
- High-quality images and video performance
- Suitable for wearable devices and compact applications

Technical Specifications

Item	Standard Value	Unit
Size	4.0	Inch
LCD Type	Normally black	--
Drive element	TFT active matrix	--
Number of pixels	720*3RGB(H)*720(V)	Dots
Pixel arrangement	RGB stripe	--
Pixel Pitch (W*H)	0.047*0.141	mm
Active area	Φ 101.52	mm
Mechanical Outline Size (W*H*T)	105.6*109.87*2.13	mm
Viewing direction	ALL O'CLOCK	-
LCM Driver IC	NV3051F	-
LCM interface	MIPI 4 LANE BIT Interface	-
Lcm pin count	40	
Backlight LEDs	6	pcs
Backlight current	40	mA
Backlight voltage	18	V

Operating temperature	-30 to +80	
Storage temperature	-30 to +80	
Lumens degrees	450	cd/



Applications

1. Small Household Appliances

Enhancing operation interaction and visual experience in various home appliances:

Kitchen Appliances:

Coffee machines and health water dispensers can display water temperature (85 for coffee, 100 for tea), brewing time, and water levels. Air fryers and mini ovens can show real-time temperature (180 for baking), countdown timers, and cooking modes. Electric rice cookers can display cooking modes,保温 status, and pressure values.

Household Appliances:

Humidifiers can show current humidity (50% RH) and water levels. Vacuum cleaners can display battery levels (80%) and cleaning modes. Smart desk lamps can show brightness levels and color temperature settings.

2. Medical Devices

Precisely transmitting monitoring data and operating guidelines in medical applications:

Home Medical Devices:

Blood pressure monitors can display systolic/diastolic pressure and heart rate. Oxygen saturation monitors can show oxygen levels (98%) and pulse rates. Blood glucose monitors can display glucose values (5.6mmol/L) and measurement times.

Clinical Medical Devices:

Thermometers can display body temperature (36.5) and measurement modes. ECG monitors can show heart rates and waveforms. Rehabilitation equipment can display treatment levels and durations.



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