

## 17.3" Full HD 800 Nits Brightness Industrial Grade TFT LCD Module for Outdoor and Commercial Use

Our Product Introduction

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### Basic Information



### Product Specification

- Resolution: 1920 × 1080 (Full HD)
- Display Technology: TFT LCD
- Backlight Type: LED
- AA Size: 381.888 Mm (H) X 214.812 Mm (V)
- Display Mode: TFT/Transmissive
- Overall Dimensions: 403 Mm (H) X 240 Mm (V) X 12.5 Mm (D)
- Color Support: 16.7M Colors (RGB 6-bit + HiFRC)
- Viewing Angle: 85°/85°/85°/85° (Left/Right/Up/Down)
- Highlight: **800 Nits Brightness TFT LCD Module, 17.3 Full HD TFT LCD Screen, Industrial Grade LCD Display Module**



## Product Description

### 17.3" High Brightness FHD TFT LCD Module with 800 Nits

Industrial-grade display module designed for demanding commercial and industrial applications with exceptional brightness and durability.

#### Technical Specifications

Parameter	Value
Screen Size	17.3" Diagonal (17.25")
Active Area	381.888 mm (H) x 214.812 mm (V)
Pixel Pitch	0.1989 mm (per triad)
Surface Treatment	Hard-coated (3H), Anti-Glare
Backlight Type	LED with adjustable brightness
Input Voltage	3.3 V (Logic/LCD Drive)
Backlight Input Voltage	12 V DC
Weight	1080 g (Typical)
Dimensions	403 mm (H) x 240 mm (V) x 12.5 mm (D)

#### Product Features

This high-brightness display module is specifically engineered for complex industrial and commercial environments. Featuring a 17.3-inch TFT LCD with Full HD resolution (1920x1080) and 16:9 widescreen ratio, the core advantage is its ultra-high brightness of 800 cd/m<sup>2</sup> (nits), significantly exceeding standard consumer displays (250-300 nits). The anti-glare matte surface with 3H hardened coating ensures excellent visibility even in outdoor sunlight or high-glare workshop conditions.

Standard industrial-grade configuration includes wide operating temperature range (typically -20°C to +70°C, with some models supporting -30°C low-temperature startup). The WLED backlight provides over 50,000 hours of service life. Interfaces typically include dual-channel LVDS or eDP for high-speed, stable signal transmission, and compliance with RoHS environmental standards. Structural options include open modules or IP65-protected front panels for embedded and rack-mounted installations, with vibration and thermal shock resistance for long-term continuous operation. Color performance reaches 16.7 million colors, ideal for precise data and graphic display applications.

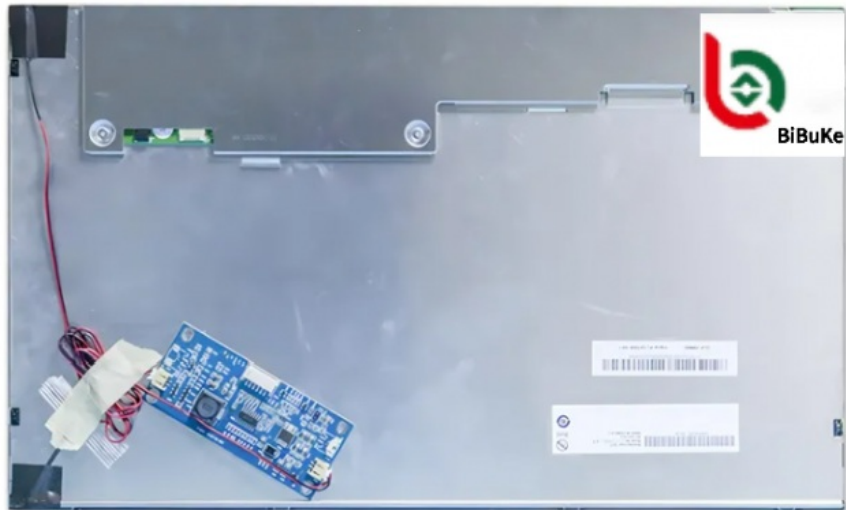
#### Core Application Scenarios

**Industrial Automation & Smart Manufacturing:** HMI interfaces for factory production lines, robot control panels, warehouse logistics sorting equipment displays - stable performance in dusty, high-temperature, high-glare environments

**Outdoor Commercial & Transportation:** Outdoor advertising displays, bus/port dispatch screens, vehicle monitoring terminals - 800 nits brightness ensures visibility in direct sunlight

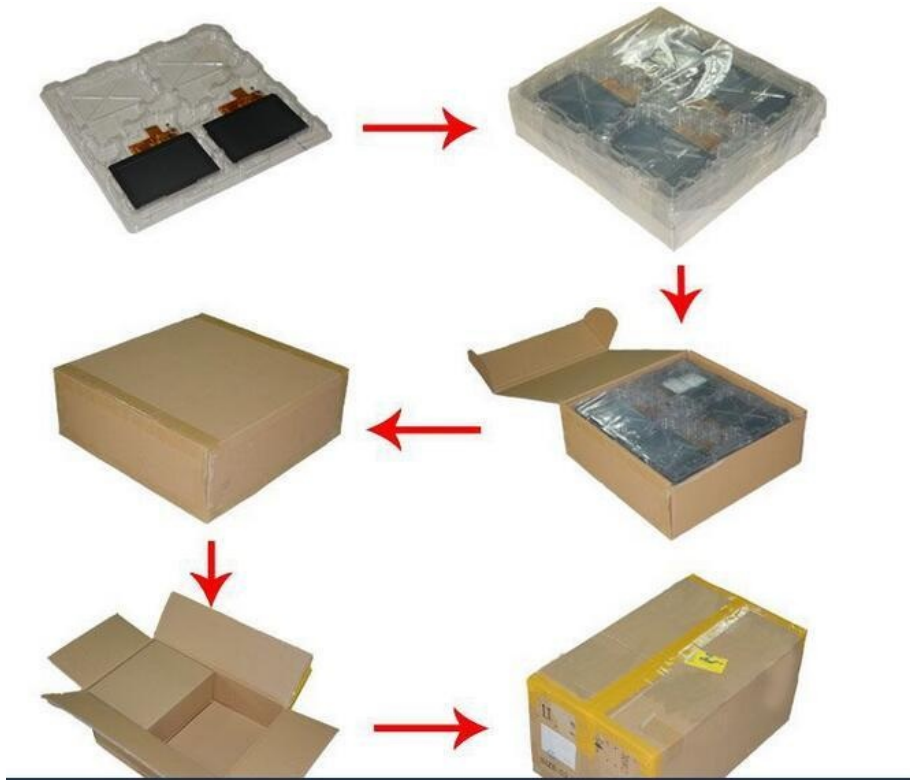
**Medical & Testing Equipment:** Portable ultrasound diagnostic devices, operating room monitoring screens, environmental monitoring equipment - wide temperature range and high color accuracy

**Energy & Security:** Outdoor monitoring cabinet screens for power stations, grid inspection terminals, security monitoring displays - withstands extreme temperatures and harsh weather conditions



### Packaging & Shipping

**Packaging:** Carton boxes, cupboard, EPE, blister tray. Packaging methods are customized based on product size and customer requirements, complying with international shipping standards.



**Shipping:** Express services including DHL, FedEx, EMS, UPS, air shipping, and sea shipping. We accommodate preferred shipping methods for all international destinations.

						
	2-7days	2-8days	2-7days	3-15days	2-5days	2-7days
<b>Notice</b>	<ol style="list-style-type: none"> <li>1. EMS for Brazil, Russia and Remote areas .</li> <li>2. SF for Hong Kong, Taiwan, South Korea, Japan, Thailand, Singapore and Malaysia .</li> <li>3. Having logo product can' t be sent by FEDEX .</li> <li>4. The Brazil want to use FEDEX/DHL , need to offer CNPJ / CPF to us !</li> </ol>					

#### Payment Methods



#### Frequently Asked Questions

**I want an LCD display with 8 digits and outline size of 65x30x2.8mm. Is this possible?**

Yes, we can accommodate this request. Please provide your specifications or drawing. If you don't have specifications, you can send samples and we'll recommend suitable standard products or customize according to your requirements.

**This LCD is what we need, but the size is too large. Do you have smaller sizes? We also need minor display content modifications.**

For segment-type LCD modules requiring size modifications or display content changes, we would need to create a new LCD glass module, which involves opening new tooling specifically for your requirements.

**This LCD display is HTN type, but I need STN type. Can you produce this?**

Yes, we can modify the display type according to your specifications and requirements.

**I need to customize a new LCD module. Is this service available?**

Absolutely. Please provide your drawing specifications. If you don't have drawings, please provide the outline size, display information (glass thickness, polarizer, display type, connector mode, storage temperature, operating temperature, supply voltage, viewing direction, drive conditions), and we'll create a customized solution.

**What is the lead time for tooling?**

Typically, tooling requires 15-25 days after drawing confirmation and tooling charge payment. We'll provide exact timelines once your drawing specifications are confirmed.

**Can you send samples for evaluation?**

Yes, sample orders are available for product verification and testing.

**What is the production lead time?**

For standard products in stock, lead time is one day after payment. For mass production of specialized items, lead time is approximately 15-30 days. We'll notify you in advance if we can complete production sooner.



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