# 0.96 Inch Yellow+Blue Dual Color OLED Display with SPI Interface and High Contrast Ratio

Our Product Introduction

## Basic Information

## Product Specification

- Module Size: 24.74*16.9*1.42 (mm)
- Backlight Technology: LED
- Fpc Connect: 30 Pins
- Interface Types: 6800/8080 Parallel, 4-wire SPI, And I2C
- Viewing Angles: All Viewing Angles
- Controller: SSD1315
- Contrast Ratio: 20,000 : 1
- Highlight: **0.96 Inch OLED Display**, **Yellow+Blue Dual Color OLED Screen**, **SPI Interface Graphic OLED Module**

## Product Description

### Yellow+Blue 0.96 Inch Thin OLED Display SPI Interface

A compact dual-color OLED display module featuring yellow and blue segments with SPI interface compatibility, ideal for embedded systems and industrial applications.

### Technical Specifications

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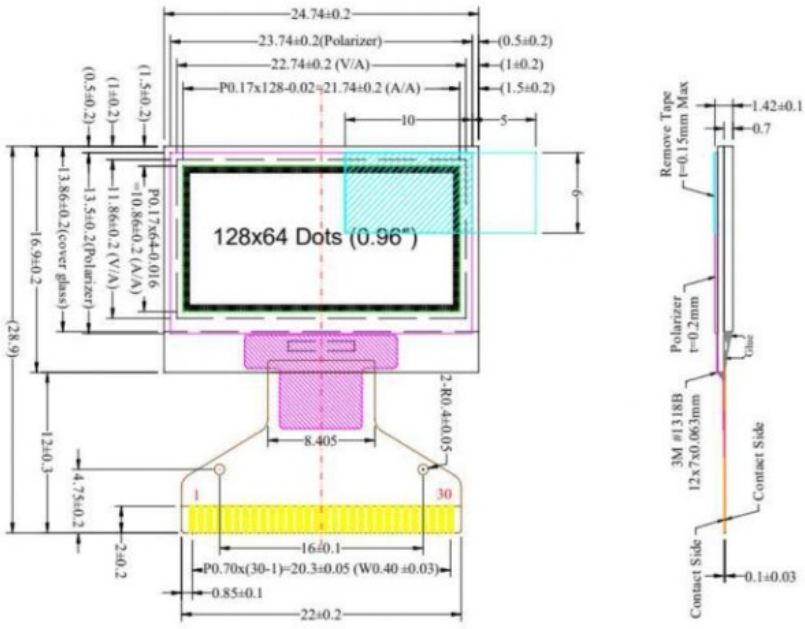
|---|---|
| **Product:** | 0.96" Inch Graphic OLED |
| **Resolution:** | 128x64 |
| **Color:** | Yellow+Blue (Dual Color) |
| **Module Size:** | 24.74*16.9*1.42 (mm) |
| **Controller:** | SSD1315 |
| **Pin Number:** | 30 Pins |
| **Life Time:** | 50,000 Hours |
| **Contrast Ratio:** | 20,000 : 1 |
| **Optics:** | All Viewing Angles |
| **Glass:** | OLED |
| **Operating Temp:** | -40°C To +80°C |
| **Interfaces:** | 6800/8080 Parallel, 4-wire SPI, And I2C |
| **Brightness:** | 180 Nits |




### Product Overview

This popular small-sized self-luminous display module features a fixed partition dual-color design with the top 1/4 area (16 pixel rows) displaying yellow and the bottom 3/4 area (48 pixel rows) displaying blue against a black background for high contrast visibility.

### Key Features

- 128×64 dot matrix resolution with SSD1306 or SSD1315 driver IC
- Supports 3-wire/4-wire SPI interface with I2C compatibility
- 3.3V operating voltage (5V compatible modules available)
- Ultra-thin design (less than 1.5mm) without backlight requirement

Self-luminous technology provides >160° wide viewing angle

Exceptional contrast ratio with clear readability in various lighting conditions

Low power consumption with micro-ampere current during static display

Microsecond-level response speed

Wide operating temperature range (-20  to 70 )

Compatible with Arduino, STM32, Raspberry Pi and other embedded platforms

### Application Scenarios

Maker/OSS Hardware Projects: Debug panels for Arduino, Raspberry Pi displaying sensor data and system status

Portable/Battery-powered Devices: Smart wristbands, weather stations, tire pressure monitors

Industrial Control and Instruments: Status display panels for PLCs, frequency converters, medical equipment

Smart Home and IoT Terminals: Gateways, sensor nodes, remote controls

Consumer Electronic Auxiliary Screens: Battery level and mode displays for audio devices and power banks

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## Frequently Asked Questions

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

No problem. Please send us your specification/drawing paper. If you don't have specifications, you can provide samples; we will recommend suitable 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, modifying outline size or display content requires a new LCD glass module. We can 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 display type as per your request.

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

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

**What is leading time for tooling?**

Generally, it takes 15 to 25 days after drawing paper confirmation and tooling charge payment. We will provide exact timing upon drawing paper confirmation.

**Can you send us samples for checking?**

Yes, sample orders are available.

**What is the Leading Time?**

For standard products in stock, lead time is one day after payment. For mass production of special orders, lead time is approximately 15-30 days. We will notify you in advance if we can finish earlier.

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