



3.5 Inch Small LCD Touch Screen 320x480 Support SPI MCU RGB Multi Interface

Our Product Introduction

Basic Information

- Place of Origin: ShenZhen, China
- Brand Name: Chenghao Optoelectronic
- Certification: ROHS ISO9001 CE
- Model Number: CH350HV46A-CT
- Minimum Order Quantity: 100 pcs
- Price: Negotiation
- Packaging Details: All the products are packed in right way to keep it safe. For small sizes of products we use tray + carton, For bigger sizes we use foam slot + carton. we also design packages according to customers' requirements
- Delivery Time: 7-15 working days
- Supply Ability: T/T or others



Product Specification

- Product Name: 3.5 Inch Tft Lcd Module
- Display Mode: IPS/Transmissive/Normally Black
- Resolution: 320*480 Dots
- Luminance: 300 Cd/m2
- Module Interface: SPI MCU RGB
- Touch Type: CTP
- Touch Interface: I2C
- Operating Temperature: -20 ~ +70°C
- Viewing Direction: 80/80/80/80
- Color: 262K / 65K
- Highlight: 320x480 Small Lcd Touch Screen,
3.5 Inch Small Lcd Touch Screen,
SPI Small Lcd Touch Screen



More Images

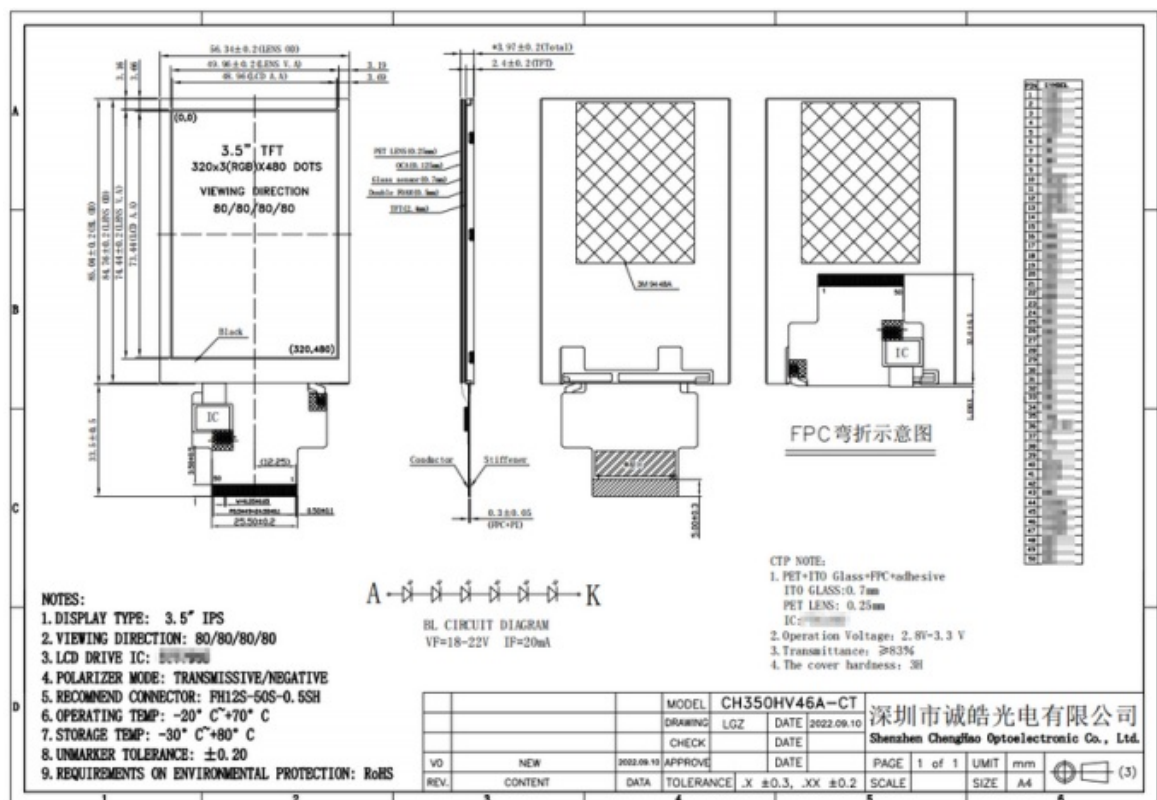


Description

Chenghao CH350HV46A-CT is a 3.5 inch full color LCD display module. The module uses SPI, MCU, RGB interfaces to communicate with external devices and supports 320*480 resolution image quality output. Thanks to the use of IPS display technology, the display supports 80/80/80/80 free viewing angles, allowing users to read the screen with a flexible and free viewing angle without worrying about the problem of blurry screen. In order to meet customers' needs for human-computer interaction, the display module is also customized and installed with a Capacitive touch panel according to customer needs. The touch panel supports I2C interface to communicate with external devices. In addition, in order to improve the adaptability to the working environment temperature, the tft display module adopts a wide temperature resistance design and can operate smoothly in an environment of -20 ~ +70°C. If you have more information about this display module, please contact our online customer service!

As a small-size LCD module, Chenghao CH350HV46A-CT is characterized by its lightness, thinness and compactness. Its performance has many advantages, such as:

- (1) This display supports a wide temperature environment and can operate stably and smoothly in an environment of $-20 \sim +70^{\circ}\text{C}$;
- (2) A capacitive touch panel is installed on the surface of this display. After the module is integrated with an external device, the user can directly realize human-computer interaction by touching the module screen.
- (3) The use of IPS display technology makes the best viewing angle of the display change from a single narrow viewing angle to a full viewing angle (80/80/80/80), which greatly improves the user experience.



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|-----------------------|---------------------------------|
| Module No | CH350HV46A-CT |
| Display Mode | IPS/Transmissive/Normally Black |
| Number of Dots | 320*3(RGB)*480 |
| Module Interface | SPI/MCU/RGB |
| Touch Type | Capacitive |
| Touch Interface | I2C |
| Operating Temperature | -20 ~ +70°C |
| Storage Temperature | -30 ~ +80°C |

Application Areas

Chenghao CH350HV46A-CT is a small-size color touch screen module, which is mainly used in various small portable devices, such as handheld scanners, smart rice cookers, POS machines, medical beauty devices, industrial instruments, etc.



About customization

CH350HV46A-CT is a small-size LCD screen module designed and customized by Chenghao Optoelectronic according to customer needs. This module is just one of our many module products. Our module products cover various specifications of LCDs from 0.91 inches to 13.3 inches. As a professional LCD manufacturer, we can provide customized content including but not limited to the following according to the specific needs of customer projects:

- (1) FPC design: We can design the appearance and structure of the FPC of the display screen module according to the needs of the customer's actual project, so that it can fully match the installed equipment.
- (2) Define the interface: We can redefine the interface of the LCD screen module according to customer needs, so that it can fully match the customer's installed equipment.
- (3) Modify the backlight brightness: The brightness of the LCD screen is a very important reason that restricts the readability of the display screen outdoors. We can modify the brightness of the display screen according to the needs of the customer project. The screen brightness modification range can reach up to 2800 cd/m² Luminance.
- (4) Customized design of touch glass cover: We can design the appearance of the touch glass cover according to the actual requirements of the customer project, including shape, thickness, perforation, etc.

FAQ

Q: What is the after-sales guarantee provided by Chenghao Optoelectronic?

A: The after-sales guarantee provided by Chenghao Optoelectronic includes a one-year product after-sales warranty service. Product problems will be replaced within 30 days after delivery, and remote online technical support services will be provided.

Q: In which industries are Chenghao Optoelectronics' products widely used?

A: Chenghao Optoelectronics' products are widely used in communication equipment, home appliances, medical equipment, vehicle-mounted equipment, digital equipment, wearable devices, IoT equipment and other industries.

Q: How does Chenghao Optoelectronic ensure that the products are not damaged during transportation?

A: Chenghao Optoelectronic ensures that the products are not damaged during transportation by adopting shipping boxes that meet export hardness standards and internal foam filling.

Q: What customized services does Chenghao Optoelectronics provide?

A: The customized services provided by Chenghao Optoelectronics include module customization, packaging customization and transportation customization. It can redesign FPC according to customer needs, provide backlight components with different brightness, etc.

Q: What certifications do Chenghao Optoelectronics' products have?

A: Chenghao Optoelectronic's products have undergone rigorous quality inspection and testing, and have obtained CE/ROHS and other certifications, and provide relevant certifications to customers.

Q: Where is Chenghao Optoelectronics headquartered? What is the company's business scope?

A: Chenghao Optoelectronics is headquartered in Shenzhen, China. Its business scope covers the development and material processing of LCD/LCM modules/CTP touch screens, and is committed to providing customers with unique, innovative, market-leading LCD products and solutions.



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