# Shenzhen ChengHao Optoelectronic Co., Ltd. chenghaolcd.com

# 320x480 3.5 Inch IPS TFT LCD Display All Black Effect Capacitive Touch **Screen Support All Interfaces**

# **Basic Information**

• Place of Origin: China Shenzhen

• Brand Name: Chenghao Optoelectronic

CE RoHS FCC · Certification:

• Model Number: CH350HV49B-CTB

• Minimum Order

Quantity:

No Moq

· 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: 3~7 Days • Payment Terms: TT or Others

• Supply Ability: 20000000 pcs/month



# **Product Specification**

320x480 Lcd Display Product Name:

• Luminance: 300 Cd/m2 • Operating Temperature: -20 ~ +70 °C · Viewing Direction: 85/85/85/85 • Touch Panel Type: Capacitive 480\*320 Dots · Resolution:

• Touch Panel Interface: IIC

-30 ~ +80 °C • Storage Temperature: · Life-time: 30000 H

• Highlight: 320x480 TFT LCD Display,

All Black Effect TFT LCD Display,

3.5 Inch TFT LCD Display



# More Images







# **Product Description**

#### **Product Description:**

Chenghao Optoelectronic has designed the CH350HV49B-CTB, a small touch LCD module specifically for use in smart door lock products. The module measures 3.5 inches and has a display resolution of 320 x 480 pixels.

The CH350HV49B-CTB module is capable of displaying 262K color videos or images with a screen design brightness of 300 cd/m2 Luminance. This level of brightness ensures that the display remains clear and visible in most indoor environments. The module employs IPS/Transmissive/Normally Black display mode and supports 85/85/85 viewing angles, which means that it can be viewed clearly from almost any angle. Furthermore, it can run smoothly for more than 30000 hours in environments ranging from -20 ~ +70°C.

This display module supports SPI, RGB, MCU, and other interfaces, offering flexibility for product designers to create custom solutions for their smart lock products. Additionally, it is compliant with RoHS and halogen-free standards, contributing to its eco-friendliness and strive for sustainability.

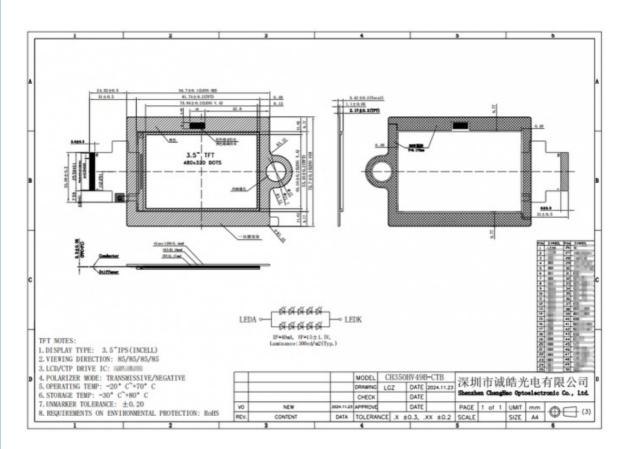
#### Features:

CH350HV49B-CTB is a highly advanced LCD screen module that offers exceptional performance for a variety of applications. The module comes equipped with several exciting features that set it apart from its competitors.

Perhaps the most noteworthy feature of this LCD module is the custom touch panel with a full black effect that is installed on its surface. This touch panel allows for screen touch sensing and gives the module a luxurious and high-end appearance, making it ideal for premium applications.

In addition to its touch panel, the LCD screen module utilizes IPS display technology. This technology significantly expands the viewing angle of the display, making the best viewing angle 85/85/85. This means that regardless of the viewing angle, users can expect crystal-clear images with no blurry distortions.

Finally, the LCD module boasts a wide temperature resistance design, enabling it to operate effectively in temperatures ranging from - 20°C to +70°C. This design greatly enhances the module's resistance to adverse environmental conditions, making it a reliable and durable choice for a diverse range of applications.



#### **Technical Parameters:**

Display Mode	IPS / Transmissive / Normally Black
Luminance	300 Cd/m2
Touch Panel Type	Capacitive
Operating Temperature	-20 ~ +70 °C
Life-time	30000 H
Touch Panel Interface	IIC
Resolution	480*320 Dots
Storage Temperature	-30 ~ +80 °C
Lcd Interface	SPI + MCU + RGB
Viewing Direction	85/85/85

# **Applications:**

The CH350HV49B-CTB is an LCD display module designed for smart home devices. As a custom product, this display module can be modified according to customer requirements and is ideal for a wide range of applications in different industries such as medical, industrial, commercial, automotive, home appliances, and artificial intelligence.

The CH350HV49B-CTB is a high-quality display module that provides reliable and accurate performance even in harsh and demanding environments. With its versatile design, the CH350HV49B-CTB can be easily integrated into a variety of smart home devices to provide users with an enhanced intuitive experience. The customizable features of the display module make it easier for manufacturers to tailor their products to the unique needs of their customers.

#### FAQ:

- Q1: What is the brand name of this product?
- A1: The brand name of this product is Chenghao Optoelectronic.
- Q2: What is the model number of this product?
- A2: The model number of this product is CH350HV49B-CTB.
- Q3: What is the place of origin of this product?
- A3: This product is manufactured in China, Shenzhen.
- Q4: What certifications does this product have?
- A4: This product is certified by CE, RoHS, and FCC.
- Q5: What is the minimum order quantity for this product?
- A5: There is no minimum order quantity for this product.
- Q6: How is this product packaged?
- A6: All the products are packed in the right way to keep it safe. For smaller sizes of products, we use tray + carton. For bigger sizes, we use foam slot + carton. We also design packages according to customers' requirements.
- Q7: What is the delivery time for this product?
- A7: The delivery time for this product is 3-7 days.
- Q8: What are the payment terms for this product?
- A8: The payment terms for this product are TT or others.
- Q9: What is the supply ability of this product?
- A9: The supply ability of this product is 20,000,000 pcs/month.



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