



JFC121CFSS.V0

Overview

JFCVision 12.1inch LCD Touchscreen Features a Slim Design

Specifications:

TFT LCD Panels

Size:	12.1inches (diagonal)
Resolution:	1024*768(XGA)
Active Area:	245.76×184.32 mm (H*V)
Brightness:	175 cd/m2 (Typ.)
View Angle:	45/45/20/45 (Typ.)(L/R/U/D)
Contrast Ratio:	500:1
Interface:	LVDS (1 ch, 6-bit), 20pin
Frequency:	60Hz
Backlight Lifetime:	10K hours
Voltage input:	3.3V (Typ.)
LED driver:	Not included

Touch Specifications

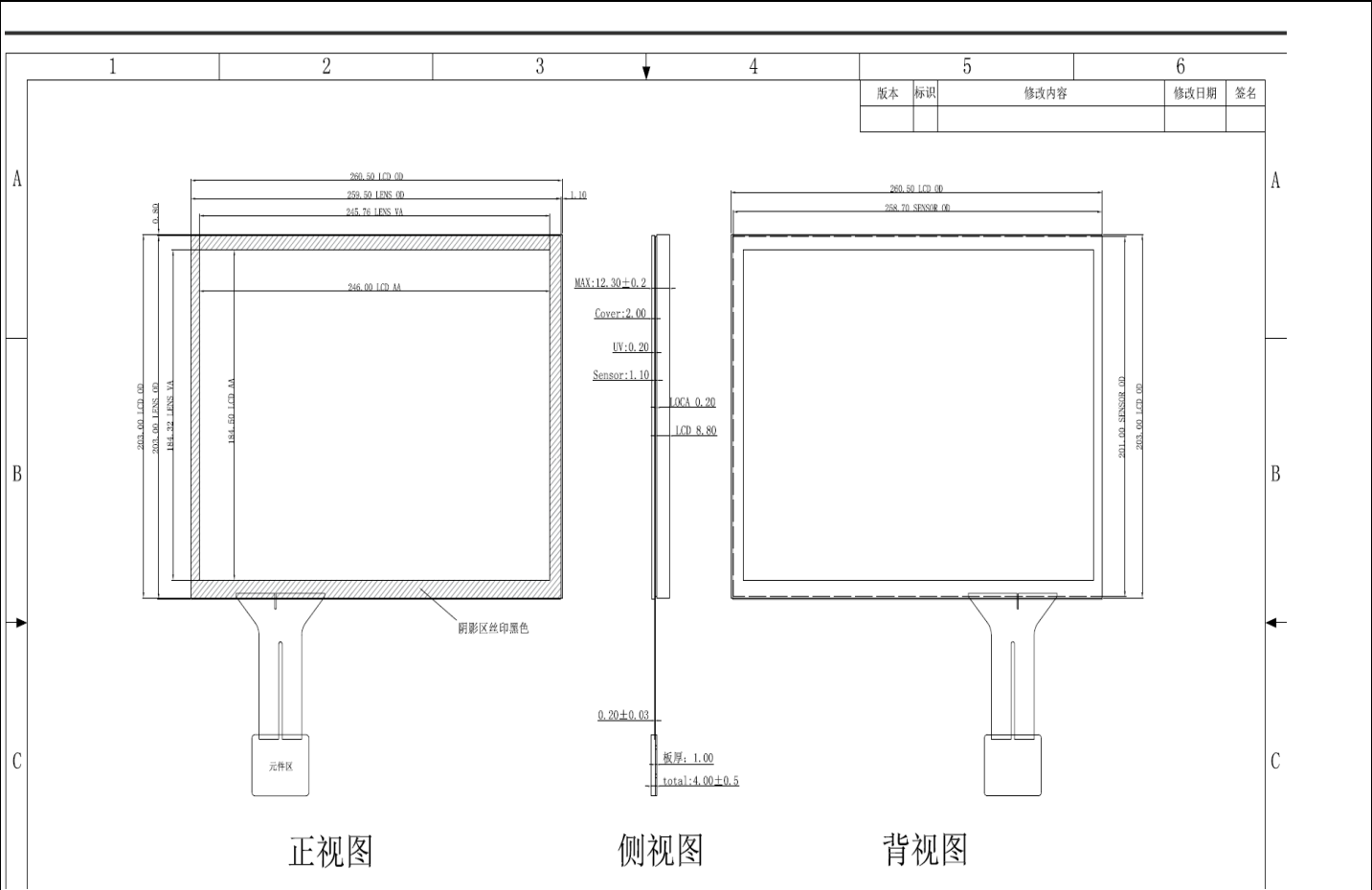
Touch Type:	Capacitive Touch, with 2-glass solution technology (2GS)
Multi Touch Points:	10 points
Outline Dimension	260.5*203 (mm)
Active Touch Area:	Same as LCD Panel's active area
Touch IC:	ILI
Touch Control Interface:	USB 2.0
Touch Control Board:	Included
Systems Supportable:	Android, Windows, Linux

Tempered Glass Surface Hardness	7H (Typ.) (Customized)
Transmittance:	> 85 °C
Touch Supportable:	Finger, Glove or Passive Pen Input
Input Voltage	3.5V~5.5V, Typ. 5V
Environment	
Operation Temperature	-0 ~ 50 °C
Storage Temperature	-20 ~ 60 °C
Humidity:	95% at 60 °C RH, no condensing

Adhesive types of LCD Panel and Touch

Full Optical Bonding

Mechanical Drawings:



Customization Services

1). Cover lens is tempered glass, the size and hardness can be customized.

2). Black silk area size and icons can be customized.

Packing

1). BOX: 1PCS/box

2). Carton: TBD

Stability Test includes:

1). High / Low Temperature Storage Test

2). High / Low Temperature Operation Test

3). High Humidity Operation and StorageTest

4). Thermal Shock Test (non-operating)

Safety Precautions:

1). Handling

- ★ Make sure that the power cables and the communication cables are connected properly and firmly.
- ★ Make sure that the sensor tails are firmly attached to the controller.
- ★ The controller is firmly attached to the chassis and is grounded.
- ★ The tail of the Touch Screen is connected in such a way that it is not touching objects. any metal Otherwise, utilize insulators between the tail and any metal objects it may contact. This will help reduce the noise level.
- ★ Never hold the touch screen by the tail.
- ★ Projected Capacitive sensors and controllers can be influenced by EMI and RFI. Make sure that the controller is placed far from devices such as transformers and inverters. EMI and RFI can severely affect the performance of the touch screen. Grounding the controller will help reduce EMI and RFI.
- ★ Wear gloves when handling the touch screen in order to prevent finger prints or stains and to avoid injury due to sharp edges.

2). Storing and Unpacking:

Store the products at specified temperature and humidity range, per the Environmental Conditions

section of this document.

Store the products in the original packing materials.

Never place heavy objects or material on top of the touch screen.

Never stack touch screens on top of each other.

Do not hold or pull the tail to facilitate the removal of the touch screen component from the package.
Check and heed the “UP/DOWN” mark prior to opening the package.
3). Maintaining:
★ Do not use any cleaners with chemicals that can corrode glass or damage the touch screen permanently.
When cleaning the touch screen, use a soft, lint free cloth to prevent scratches and contamination.
Avoid using sharp/hard objects.
★ Always wear a grounded wrist strap while handling the touch screen and controller.
★ For high visual clarity, clean the touch screen periodically to remove fingerprints and foreign objects.
★ Do not press the touch screen with extreme force.
★ Avoid the use of sharp / hard objects on the touch screen.
★ Keep sensor tails away from sharp objects and handle them with care.
Warranty:
1). Warranty Period: 2 years from the date of shipping.
2). Warranty Exclusions:
★ Failure to adhere to the handling, storage, operating, assembly or other procedures and
Parameters outlined in this delivery specification.
★ Accidental or purposeful abuse, neglect or acts of nature.
★ Breakage or physical scratches to the touch screen.
★ Other factors beyond the control of JFCVision