Overview

JFCVision 15.6inch LCD Touchscreen Features a Slim Design

Specifications:

TFT LCD Panels	
Size:	15.6inches (diagonal)
Resolution:	1920*1080，FHD
Active Area:	344.16×193.59 mm (H*V)
Brightness:	200 cd/m2 (Typ.)
View Angle:	85/85/85/85 (Typ.)(L/R/U/D)
Contrast Ratio:	800:1
Interface:	eDP (2 Lanes) , 30 pins
Frequency:	60Hz
Backlight Lifetime:	50K hours
Voltage input:	3.3V (Typ.)
LED driver:	included
Touch Specifications	
Touch Type:	Capacitive Touch, with 2-glass solution technology (2GS)
Multi Touch Points:	10 points
Outline Dimension	520*306 (mm)
Active Touch Area:	Same as LCD Panel's active area
Touch IC:	EEIT
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:	

Front view

Side view

Back view

495.60±0.5 (Module Outline)
479.84±0.5(Bezel Outline)
Cover lens OD 520.00±0.25
Cover lens VA 477.64±0.2
476.64(Active Area)

Cover lens OD 306.00±0.25
Cover lens VA 269.11±0.2

268.11(Active Area)
271.31±0.5(Bezel Outline)
292.20±0.5 (Module Outline)

21.18
21.18
18.45
18.45

Black

102.36   208.80
107.72
50
100

Cover lens
T=3
OCA T=0.2
Sensor glass
T=0.7
Total 3.90
3M glue T=0.5
LCD T=12.70
TOTAL17.10

Front view
3.65
4.70

12.85   Cover lens OD 520.00±0.25   12.85
Sensor glass OD 494.28±0.15
Sensor glass AA 477.64±0.2

Sensor glass AA 269.11±0.2
Sensor glass OD 296.28±0.15
Cover lens OD 306.00±0.25

14.33
5.39

195.94   102.36
113.12

6: D-
4: D+
3: GND
2: VDD
1: GND_E

5: TX
4: RX
3: GND
2: VDD
1: GND_E

Technical Parameters
0:Interface :USB
1; Touch point: 10
2: Cover lens + Sensor glass + OCA+FPC
3: Cover lens Thickness = 3mm
4: Sensor glass Thickness = 0.7mm
5: OCA Thickness = 0.2mm
6: Total Thickness = 3.90 mm
7: Sensor Process：Exposure ITO Pattern + laser Ag(Metal line)
8: Input Voltage 3.5V ~5.5V.Typical 5V
9:Transmittance:>85%
10: Surface Hardness:>6H
11: Operating Conditions :-10 to 70 ℃
12: Storage Conditions :-20 to 70 ℃
13: Relative Humidity:95% at 60℃, RH Non-condensing
14: Dimension tolerance:±0.2mm
15: AA=Active Area;OD=Outline Dimeesion;VA=View Area

JFCVISION	JFC INDUSTRIAL CO. LTD			
Drawing	Stn	2016.11.15	Material	Glass	**21.5"**
Checked	Clen		Scale	1:1	
Approved	Stn		Units	mm	Drawing Name	21.5 CTP
⊕ ⊏⊐			Page1/1		Drawing No.	JFC-215CTYC-V3

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

Stablity 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**