DATA SHEET OF 19.3 INCH TOUCH WIDE LCD

Screen Size: 19.3 inch

Type: capacitive touch screen

Interface: USB

Screen Type: panel

Transmittance: >87%

Click Times: 50,000,000

Induction Force: 10(g)

Response Time: 5(ms)

Application: medical equipment,industrial equipment,Bank ATM, advertising, office touch all in one pc, mirror waterproof TV and other interfaces

Mode: USB

Operation System: WIN 7 8 10 Android XP

Speed Range: 1-10

Product Information

Name: 19.3inch Capacitive Touch Screen

Item: DV-300

Color: black silk screen + transparent glass

Product Features:

1. Accuracy:99%
2. Material: complete scratch-resistant glass material (Mohs hardness >6H), not easily scratched and worn by sharp objects, and is not affected by pollution such as water, fire, radiation, static electricity, dust or oil. It also has the eye protection function of goggles.

3. Sensitivity: less than 2oz.av of force can be sensed, with a quick response of less than 3ms.

4. Definition: Three surface treatments (Polish, Etch, Industrial) are available. MTBF of SMT controller is more than 572,600 hours (per MILHANDBOOK-217-F1)

5. Touch life: Any point that can withstand more than 50 million touches, the cursor does not drift after the correction.

Specification Parameter

Structure	G+G	Interface	USB I2C
Color	black silk screen + transparent glass	Transmittance	>87%
Response	<5ms	Glass haze value	<3%
Touch accuracy	<2.5mm	Input	Finger/Capacitive touch pen
Motion error	<10%	Output	Inductive coupling capacitor output
Resolution	25pixel /min	Certification	ROHS

Frequency		200HZ	Item	Specification
USB2.0	Terminal type	A / USB	Temperature	Operating temperature -20℃～70℃
	Communication interface	USB-D+ USB-D-		
	Transfer speed	12Mbps		Storage temperature：-30℃～80℃
	Signage	+5V,D-,D+,GND	Relative humidity	Operating humidity: 45%~85%RH no condensation
Power supply		USB		Storage humidity: 45%~85%RH no condensation
Voltage		DC+5V±5%		
Electric Current		<200mA	Anti-light	Full angle

Software features, supported system

<table>
<tr><th>Item</th><th>Specification</th><th>Item</th><th>Capacitive touch screen</th></tr>
<tr><td>Firmware upgrade method</td><td>Win and WinXP support USB upgrade</td><td>General system</td><td>Win XP/Win7/Win8/Win CE/Android/Linux/Mac</td></tr>
<tr><td>Touch type</td><td>1-10 point touch</td><td>LINUX</td><td>Generally single touch, can support multi-touch after modifying the kernel</td></tr>
<tr><td rowspan="3">Multi-touch support for system operation</td><td rowspan="3">Windows7 Ultimate
Windows7Professional
Windows7HomePremium

Windows8/Vista/Android/Linux and above must have multi-touch function,and the operating system must be the original(non-GHOST version)
Otherwise it will affect the touch

(Note: WIN8 doesn’t support the Genuine)</td><td>Android</td><td>Single point: generally don’t need to modify the kernel .
Multi-point: the kernel version must be 2.6.31 or above it,requiring kernel modification capability.</td></tr>
<tr><td>COM</td><td>Support, no need to install drivers under Windows system</td></tr>
<tr><td>Calibration</td><td>Win XP Win 7 &Win8 System can directly calibrate
Other systems are used after calibration on Win XP Win7</td></tr>
<tr><td>Single-touch support for system operation</td><td>Windows 7 Home Basic/
Win XP/Win CE/Mac</td><td>Horizontal & vertical screen</td><td>Free switching</td></tr>
</table>

Environmental Adaptability Test

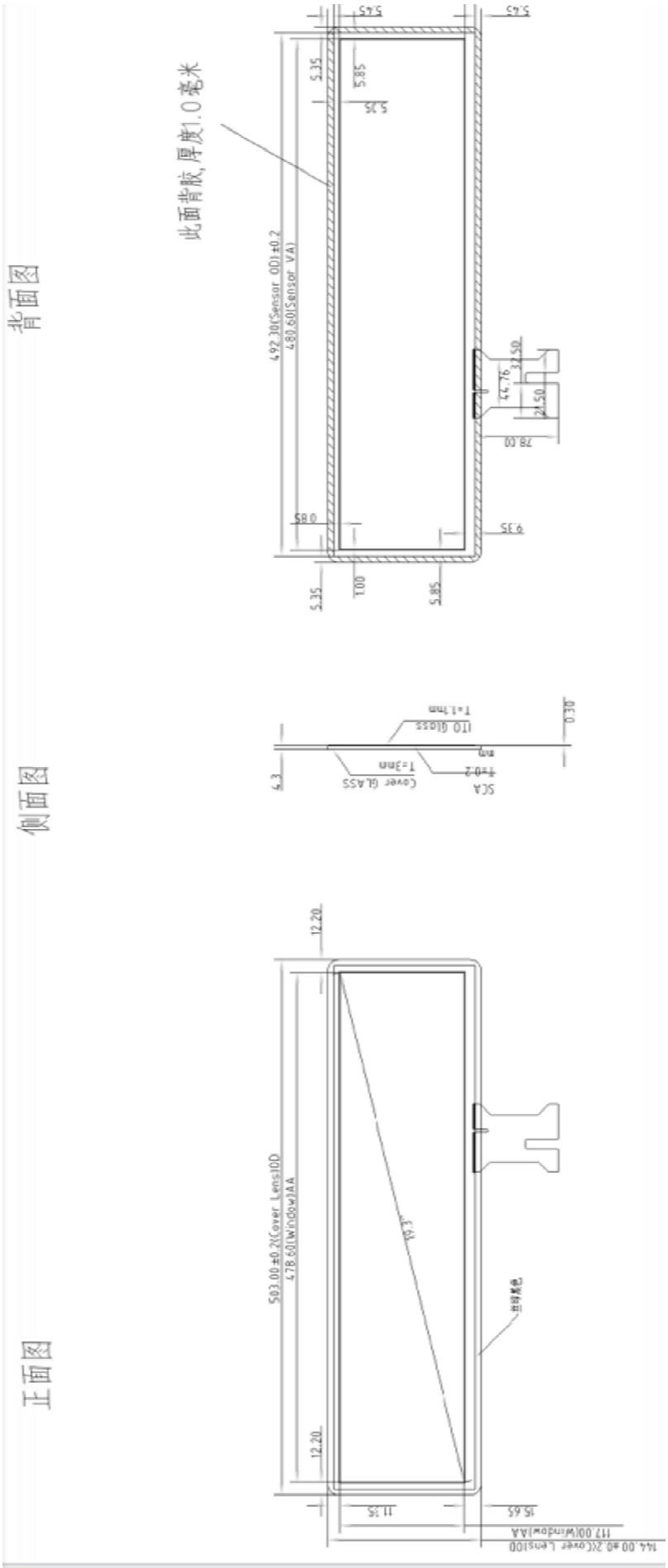
Test Item	Test Condition	Label
Constant temperature and humidity	Temperature: 60; Temperature: 90% RH (no condensation) continuous operation 240 hours (The International standard is 4 hours)	normal
High and low temperature test	Temperature: -30 ° C - 80 ° C, 30 min for one cycle. Continuous operation 50 cycles	normal
Low-temperature test	Temperature: -30℃ continuous operation 240 hours, placing at room temperature2 hours	normal
High-temperature test	Temperature: 80℃; Placing time: 240 hours (The International standard is 4 hours)	normal

Low-temperature storage	Temperature: -30℃； Placing time: 240 hours (The International standard is 4 hours)	normal
Basic function	Signage and line	normal

Mechanical performance test

Test Item		Test Condition	Allowed Condition
Panel section	Falling ball test	The quality of steel ball:227g±2g The height of steel ball: 40cm	If there is no damage in the cycle test, the test condition can be reduced once per test cycle, and the test condition can be reduced by up to 5%.
Panel section	Hardness Test	Pencil: 6H Street： Street: 1N/45 °	Hardness≥6H
	Warping	Squeeze test	Warping≤length x0.1%mm
Sensing layer bonding reliability test	Stripping test direction	90 °	stretch strength≥500gf/cm
	Pull test speed	50mm/min	

Drawing



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