

Product Series 产品类别



Standard Landscape LCD
常规横屏



Standard Portrait LCD
常规竖屏



Bar LCD
条形屏



Square LCD
正方屏



Circle LCD
圆形屏

Display Size 显示屏尺寸范围

工控显示 | *Industrial Display*

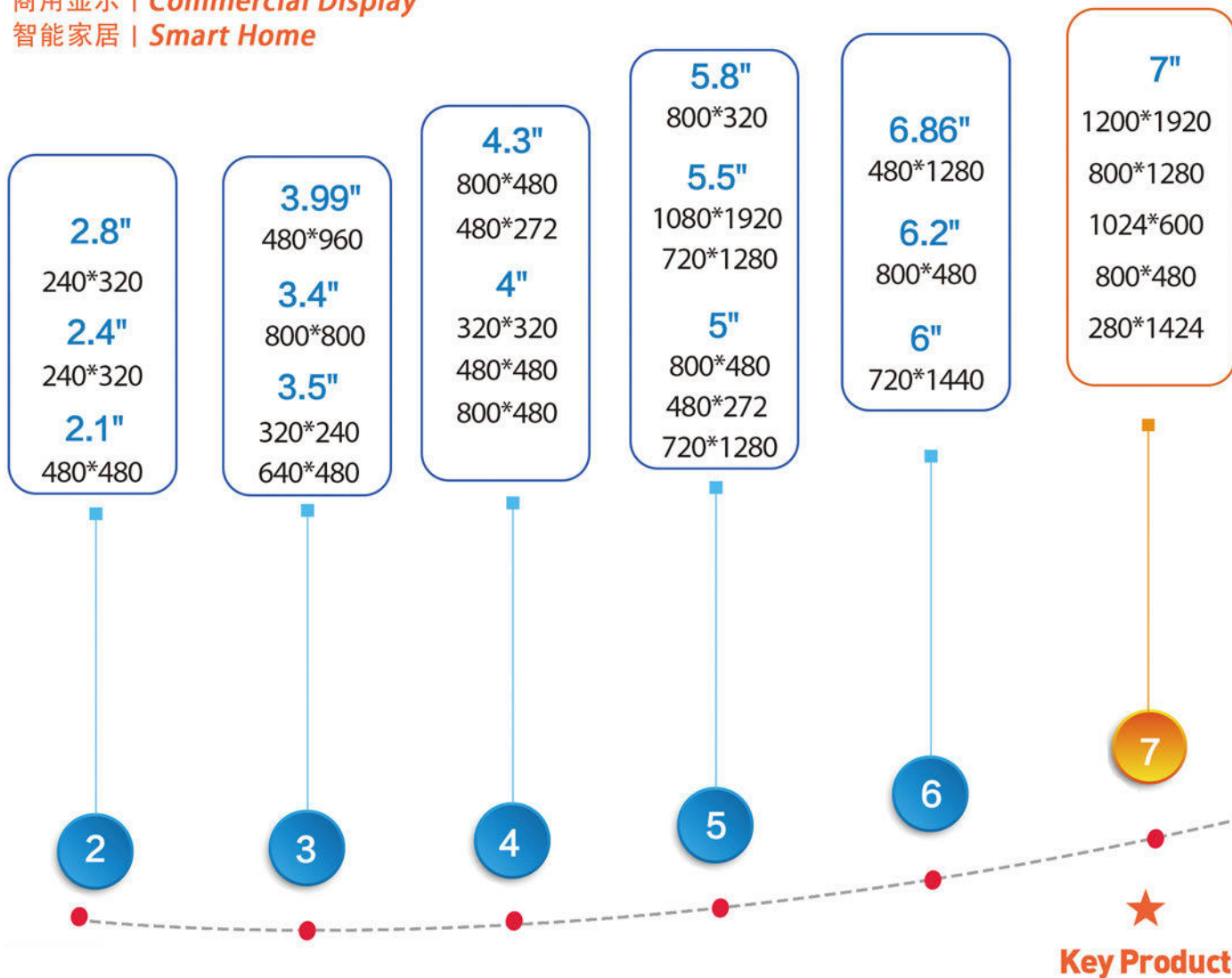
医疗显示 | *Medical Display*

安防显示 | *Security Display*

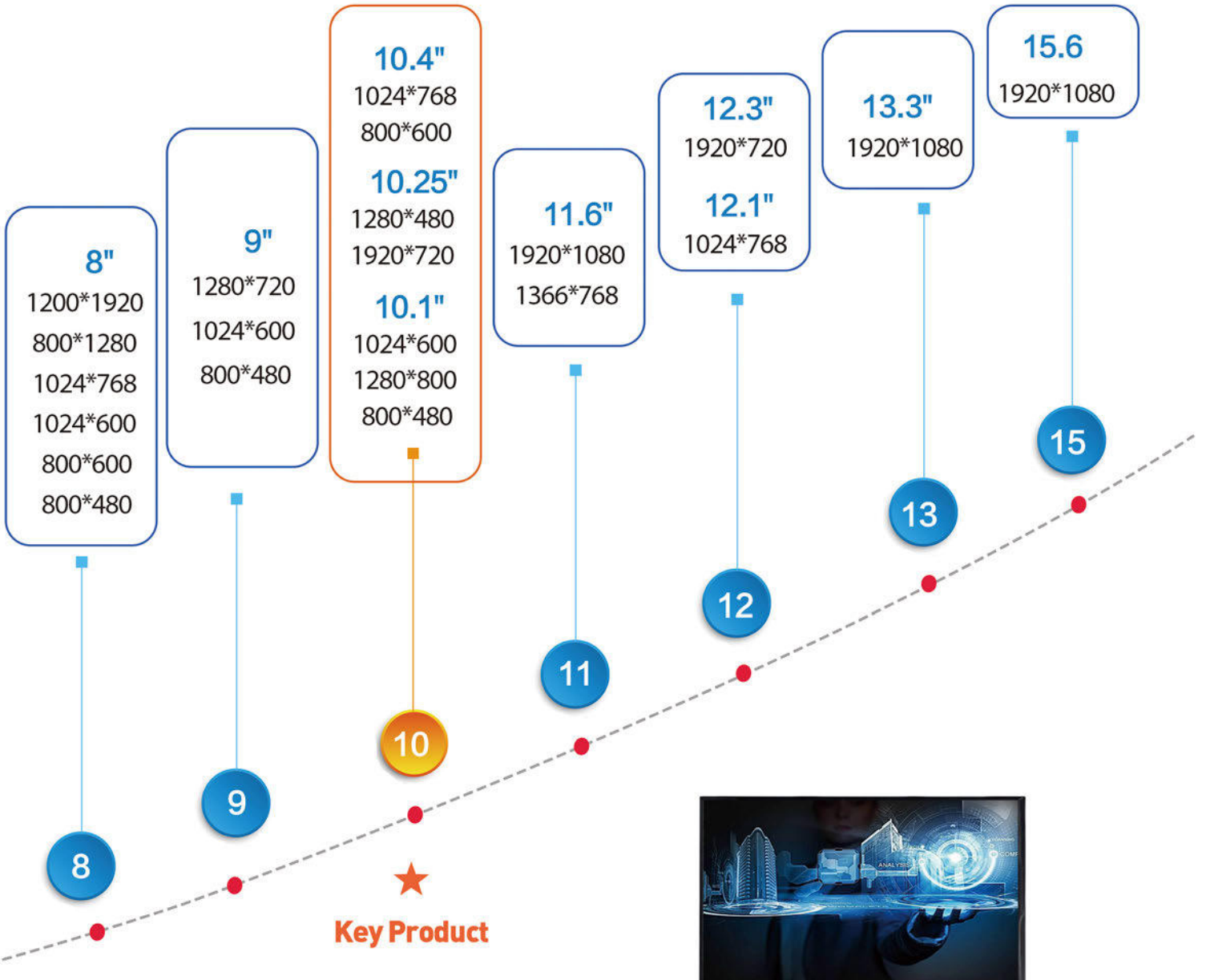
车载显示 | *Vehicle Display*

商用显示 | *Commercial Display*

智能家居 | *Smart Home*



★
Key Product



Application 应用领域

Security Display

安防显示



安检闸机
Security Gate



地铁闸机
To gate driver



人脸识别
Face recognition

Vehicle Display

车载显示



GPS



车载
Vehicle



行车记录仪
Car DVR

Industrial Display

工控显示



人机界面
HMI



示波器
Oscilloscope



手持喷码机
Handheld inkjet printer

Commercial Display

商用显示



充电桩
Charging pile



刷卡机
POS



3D 打印机
Printer

Medical Display

医疗显示



医疗分析仪
Medical analyzer



监护仪
Medical Monitor



内窥镜
Endoscope

Smart Home

智能家居



温控器
Temperature controller



咖啡机
coffee maker



可视对讲机
Videophone

产品远销世界100多个国家。

Industrials, sell to over 100 countries in the world

Main Product List

主产品列表

Size 尺寸	Resolution 分辨率	View Angle 视角范围	Luminance 亮度(cd/m ²)	Interface 接口	PIN#	Operation Temp 工作温度	Storage Temp 储存温度	Outline Dimension (mm) 模组外型尺寸
2.1"	480*480	IPS	300	3SPI+18RGB	40	-20~70	-30~80	56.18(W)*59.71(H)*2.3(T)
2.4"	240*320	TN/IPS	300	SPI /MCU /RGB	18	-10~60	-20~70	42.72(W) *60.26(H) *2.25 (T)
2.8"	240*320	TN	300	SPI	18	-10~60	-20~70	50(W) *69.2(H) *2.3 (T)
3.16"	320*800	IPS	300	MIPI/RGB	12	-20~70	-30~80	76.6(W) *31.2(H) *2.4 (T)
3.4"	800*800	IPS	330	MIPI	39	-20~70	-30~80	94.9(W) * 96.95(H) * 2.2(T)
3.5"	640*480	IPS	350	RGB	54	-20~70	-30~80	76.3(W)*63.3(H)*3.0(T)
	320*480	TN	300	SPI/RGB	48	-20~70	-30~80	55.5 (W) *84.96(H) *2.5(T)
	320*240	TN	350	RGB	54	-20~70	-30~80	76.9(W)*63.9(H)*3.3(T)
3.97"	480*800	IPS	350	MIPI	25	-20~70	-30~80	57.14(W)*95.70(H)*2.25(T)
4"	320*320	IPS	300	MCU/MIPI	40	-20~70	-30~80	72.72(W)*74.86(H)*2.1(T)
	480*480	IPS	300	MIPI/RGB	25	-20~70	-30~80	75.66(W)*78.23(H)*2.2(T)
4.3"	480*272	TN	400	RGB	40	-20~70	-30~80	105.4(W)*67.1(H)*3.0(T)
	800*480	IPS	500	RGB	40	-20~70	-30~80	105.5(W)*67.2(H)*3.0(T)
4.6"	800*320	TN	400	RGB	40	-20~70	-30~80	120.7(W)*56.25(H)*2.9(T)
5"	800*480	TN/IPS	400	RGB	40	-20~70	-30~80	120.7(W)*75.8(H)*2.8(T)
	720*1280	IPS	450	MIPI	24	-10~60	-20~70	66.4(W)*120.5(H)*1.8(T)
	480*272	TN	300	RGB	40	-20~70	-30~80	120.7(W)*75.8(H)*3.2(T)
6"	720*1440	IPS	400	MIPI	40	-10~60	-20~70	70.24(W)*142.59(H)*1.65(T)
6.86"	480*1280	IPS	600	MIPI	40	-20~85	-30~85	181(W)*66.6(H)*4.5(T)
6.97"	1080*1920	IPS	1000	MIPI	40	-20~70	-30~80	99.23(W)*163.39(H)*2.12(T)

Size 尺寸	Resolution 分辨率	View Angle 视角范围	Luminance 亮度(cd/m ²)	Interface 接口	PIN#	Operation Temp 工作温度	Storage Temp 储存温度	Outline Dimension (mm) 模组外型尺寸
7"	800*480	TN	300-2000	RGB	50	-30~80	-35~85	164.9(W)*100.0(H)*5.7(T)
	1024*600	IPS	300-1000	RGB/LVDS/MIPI	50	-20~70	-30~80	164.9(W)*100.0(H)*3.5(T)
	800*1280	IPS	300	MIPI	31	0~60	-10~70	99.8(W)*161.06(H)*2.6(T)
	1200*1920	IPS	1000	MIPI	40	-20~70	-30~80	99.3(W)*166.8(H)*2.4(T)
	280*1440	IPS	300	MIPI	30	-20~70	-30~80	38.20(W)*181.47(H)*3.5(T)
8"	800*600	TN	420	RGB	50	-20~70	-30~80	183(W)*141(H) *5.7(T)
	800*480	TN	400	RGB	50	-20~70	-30~80	192.8(W)*116.9(H)*6.4(T)
	1024*600	TN	400-1000	LVDS	40	-20~70	-30~80	192.8(W)*116.9(H)*6.4(T)
	800*1280	IPS	250	MIPI	31	-20~70	-30~80	184.1 (W)*114.6(H)*2.6(T)
	1200*1920	IPS	390	MIPI	40	-10~60	-15~70	114.58 (W)*184.09(H)*3.95(T)
9"	800*480	TN	350	RGB	50	-20~70	-30~80	211.1(W)*126.5(H) *5.3(T)
	1024*600	IPS	450	RGB	50	-20~70	-30~80	210.7(W)*124.6(H) *5.0(T)
	1024*600	IPS	500	LVDS	40	-20~70	-30~80	210.7(W)*126.4(H) *5.2(T)
10.1"	1024*600	IPS	400-1000	RGB/LVDS	40	-20~70	-30~80	235.0(W)*143.0(H) *5.0(T)
	1280*800	IPS	500	LVDS	40	-20~70	-30~80	229.5(W)*149.1(H) *4.6(T)
	1280*720	IPS	700	LVDS	40	-20~70	-30~80	238.60(W)*148(H) *6.5(T)
	800*1280	IPS	300-1000	MIPI	40	-20~60	-25~70	143.06(W)*228.66(H) *2.6(T)
	1200*1920	IPS	400-1000	MIPI	34	-10~60	-20~70	227.3(W)*142.3(H)*2.5(D)
10.25"	1920*720	IPS	600	LVDS	60	-40~90	-30~85	265.2(W)*109.5(H)*7.0(T)
10.4"	1024*768	IPS	550	LVDS	30	-30~80	-30~85	225.8(W)*174.3(H)*6.6(T)
11.6"	1366*768	IPS	430	EDP	30	-0~50	-0~60	268.0(W)*157.5(H)*3.0(T)
	1920*1080	IPS	800	EDP	30	-20~70	-30~80	267.72(W)*164.42(H)*6.1(T)
12.1"	1024*768	IPS	500-1000	LVDS	20	-20~70	-30~80	260.5(W)*204(H)*8.6(T)
12.3"	1920*720	IPS	850	LVDS	50	-30~85	-40~90	308.1(W)*130.0(H)*7.6(T)
13.3"	1920*1080	IPS	350	EDP	30	-10~50	-20~60	305.1(W)*178.0(H)*2.6(T)
15.6"	1920*1080	IPS	850	EDP	30	-10~50	-20~60	359.5(W)*223.27(H)*3.1(T)

主要产品展示



Size:	2.1"
Resolution	480X480
Outline Dim:	56.18(W)*59.71(H)*2.3(T)
Active Area:	53.28*53.28
View Angle:	IPS
Interface:	SPI+RGB
Luminance:	300 cd/m ²
Operation Temp :	-20°C~+70°C
Storage Temp:	-30°C~+80°C
Application:	Medical, Smart Home equipment

Size:	2.4"
Resolution	240X320
Outline Dim:	42.72(W) x 60.26(H) x2.2 (T)
Active Area:	36.72(W) X 48.96 (H)
View Angle:	TN
Interface:	SPI
Luminance:	300 cd/m ²
Operation Temp :	-10°C~+60°C
Storage Temp:	-20°C~+70°C
Application:	Industry, Medical, PDA instrument

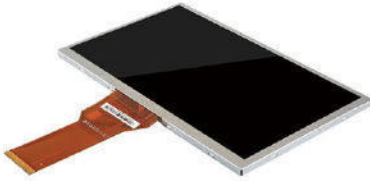
Size:	3.97"
Resolution	480X800
Outline Dim:	57.14(W)*95.70(H)*2.25(T)
Active Area:	51.84(W) x86.40(H)
View Angle:	IPS
Interface:	MIPI
Luminance:	450 cd/m ²
Operation Temp :	-20°C~+70°C
Storage Temp:	-30°C~+80°C
Application:	Industry, Medical, PDA POS, Smart Home



Size: 4.3"	
Resolution	800X480
Outline Dim:	105.5(W)*67.2(H)*3.0(T)
Active Area:	95.04(W)*53.86(H)
View Angle:	IPS
Interface:	RGB 40PIN
Luminance:	400 cd/m ²
Operation Temp :	-20°C~+70°C
Storage Temp:	-30°C~+80°C
Application:	Industry, Medical Charging pile instrument, equipment

Size: 5"	
Resolution	720X1280
Outline Dim:	66.4(W)*120.5(H)*1.8(T)
Active Area:	62.1(W) x110.4(H)
View Angle:	IPS
Interface:	MIPI
Luminance:	450 cd/m ²
Operation Temp :	-10°C~+60°C
Storage Temp:	-20°C~+70°C
Application:	POS, Smart Home PDA

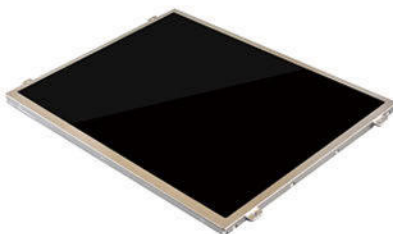
Size: 6.86"	
Resolution	800X480
Outline Dim:	181(W)*66.6(H)*4.5(T)
Active Area:	160.59(W)*60.22(H)
View Angle:	IPS
Interface:	MIPI
Luminance:	600 cd/m ²
Operation Temp :	-20°C~+85°C
Storage Temp:	-30°C~+85°C
Application:	vehicle electronics Smart Home instrument & equipment



Size: 7"	
Resolution	800X480
Outline Dim:	164.9(W)*100.0(H)*5.7(T)
Active Area:	154.08(W)*85.92(H)
View Angle:	TN
Interface:	RGB 50PIN
Luminance:	300-2000 cd/m ²
Operation Temp :	-30°C~+80°C
Storage Temp:	-35°C~+85°C
Application:	Industry, Medical instrument&equipment charging pile

Size: 7"	
Resolution	1024X600
Outline Dim:	164.9(W)*100.0(H)*5.7(T)
Active Area:	154.08(W)*85.92(H)
View Angle:	IPS
Interface:	LVD 40PIN
Luminance:	300-1000cd/m ²
Operation Temp :	-20°C~+70°C
Storage Temp:	-30°C~+80°C
Application:	Industry, Medical instrument & equipment charging pile

Size: 9"	
Resolution	1024X600
Outline Dim:	210.7(W)*126.4(H) *5.2(T)
Active Area:	196.608(W) x 114.15(H)
View Angle:	IPS
Interface:	LVDS40PIN
Luminance:	500 cd/m ²
Operation Temp :	-20°C~+70°C
Storage Temp:	-30°C~+80°C
Application:	Industry, vehicle electronics instrument& equipment



Size: 10.1"	
Resolution	1024X600
Outline Dim:	235.0(W)*143.0(H)*5.0(T)
Active Area:	222.72(W)*125.28(H)
View Angle:	IPS
Interface:	RGB/LVDS
Luminance:	400-1000 cd/m ²
Operation Temp :	-20°C~+70°C
Storage Temp:	-30°C~+80°C
Application:	Industry, Medical vehicle electronics charging pile

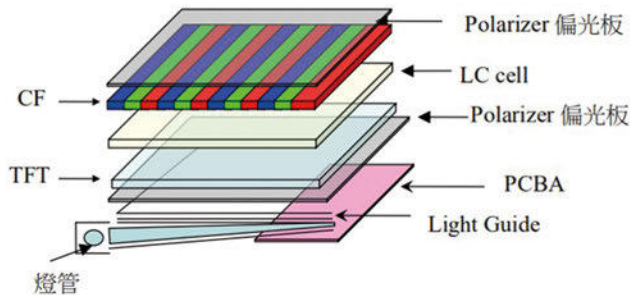
Size: 10.4"	
Resolution	1024X768
Outline Dim:	225.8(W)*174.3(H)*6.6(T)
Active Area:	210.43(W)*157.82 (H)
View Angle:	IPS
Interface:	LVDS 30PIN
Luminance:	500-1000 cd/m ²
Operation Temp :	-30°C~+80°C
Storage Temp:	-30°C~+85°C
Application:	Industry, Medical instrument & equipment

Size: 12.1"	
Resolution	1024X768
Outline Dim:	260.5(W)*204(H)*8.6(T)
Active Area:	245.76(W)*184.32(H)
View Angle:	IPS
Interface:	LVDS 20PIN
Luminance:	600-1000 cd/m ²
Operation Temp :	-20°C~+70°C
Storage Temp:	-30°C~+80°C
Application:	Industry, Medical instrument & equipment charging pile

Solution for Display 显示屏解决方案

TFT-LCD Display Solution

1. Backlight Luminance range 250 ~ 2000nits, low power or customization.
2. View Angle TN/IPS
3. Wide temp, operating temp -30 ~ + 85 °C; Storage temp -40 ~ + 90 °C
4. Reliability Test: High temperature and high humidity, Cold and hot impact test, EMC, ESD, etc.
5. Interface/FPC: RGB (TTL) /LVDS/MIPI/EDP or customization.
6. Long lifetime to 30k, 50k, 100K Hrs.



TFT-LCD Structure

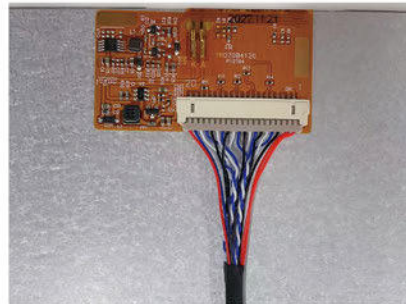


TFT-LCD 液晶显示屏方案

- 1.背光亮度范围 250 ~ 2000 nits, 低功耗, 或根据客户需求定制。
- 2.视觉范围: TN/IPS
- 3.宽温方案: 工作温度可达到 -30°C ~ $+85^{\circ}\text{C}$, 存储温度 -40°C ~ $+90^{\circ}\text{C}$
- 4.可靠性测试: 产品可通过高温高湿试验、冷热冲击试验、EMC, ESD测试等
- 5.屏接口排线: RGB (TTL) /LVDS/MIPI/EDP或定制接口排线
- 6.产品寿命可做到 3万-10万小时, 或根据客户需求定制。



Luminance test 亮度测试



Dupont cable 杜邦线



Aging test 老化测试

Touch Panel Solution

RTP (resistive touch panel)

The theory is using pressure sensor by finger nail to operate and control.
Single touch, multi-touch not available.



CTP (Capacitive touch panel)

The theory is using finger to touch panel to make it working, Can multi-touch.

★ CTP structure: G+P, G+G, G+F, G+F+F

★ Cover Lens customization: Size, thickness and color; Surface hardness $\geq 6H$

★ Surface processing: AF, AG and AR

触摸屏方案

RTP 电阻式触摸屏

工作原理主要是通过压力感应来实现对屏幕的控制，只能单点触摸,不能多点触摸。

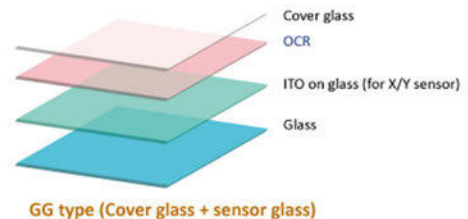
CTP 电容式触摸屏

电容式触摸屏技术是利用人体的电流（手指）感应进行工作，能多点触摸屏。

★ 电容式触摸屏结构: G+P, G+G, G+F, G+F+F

★ 盖板定制: 可定制材质、尺寸厚度和颜色, 表面玻璃硬度 $\geq 6H$;

★ 可做防指纹、防眩光和防反射处理



TFT-LCD Driver Board

- 1.Support different resolution TFT-LCD driver board, up to 1920*1200
- 2.Customizable difference Interface driver board, HDMI/VGA/AV, RGB (TTL) / LVDS/MIPI/EDP。



HDMI Driver board with micro USB power supply

Convert Pin-Board

Interface transformation: RGB (TTL) /LVDS/MIPI/EDP
convert between each other and with different PIN number.



Standard HDMI/VGA Driver board for Customized Interface

液晶屏驱动板

- 1.支持多种分辨率液晶显示屏，最大支持分辨率1920X1200
- 2.可定制各种接口的TFT-LCD 液晶驱动板， HDMI/VGA/AV, RGB (TTL) /LVDS/MIPI/EDP

屏接口转接板

RGB/LVDS/MIPI/EDP接口信号互转，定制PIN转接小板。



LVDS- RGB/TTL
信号转接板