



YEEBO
(INTERNATIONAL
HOLDINGS)
LIMITED



YEB



New Launch



New Launch –Bar Type TFT Series

- Customize the display size according to customer requirements.
- Production Application:
Coffee Machine/Smart Home/ Smart Office/POS machine/Security System/EV charger



Production Application:
Coffee Machine/Smart Home/Smart Office/POS machine/
Security System

Size	Display	Resolution
7.84"	IPS	400*1280
6.75"	IPS	400*1280
6.5"	TN	800*320
4.6"	TN	800*320
3.9"	TN	800*320
2.0"	TN	320*130
2.0"	IPS	240*240
2.4"	IPS	240*240



New Launch –High Brightness TFT STD Series

Size	YB Part No.	Resolution	Outline(mm)	Active Area(mm)	Surface brightness (Cd/m2)	TYPE	OT	Interface
2.0"	YB-TG240320S31A-N-A	240*320	35.43x48.23x2.51	30.6x40.8	900	IPS	-20~70	MCU/SPI/RGB
3.0"	YB-TG360640S01A-N-A	360*640	43.04x74.91x2.45	36.72x65.28	760	IPS	-20~70	RGB/MIPI
4.3"	YB-TG480272S17A-N-A	480*272	105.4x67.1x2.9	95.04x53.856	700	IPS	-20~70	RGB
4.3"	YB-TG480272S17B-N-A	480*272	105.4x67.1x2.9	95.04x53.856	700	IPS	-30~85	RGB
4.3"	YB-TG480272S18A-N-A	480*272	105.4x67.1x2.9	95.04x53.856	700	IPS	-20~70	LVDS
7.0"	YB-YG800480S05A-N-A	800*480	165.0x99.6x6.5	154.08x85.92	1900	TN	-20~70	RGB
7.0"	YB-TG1024600S11A-N-A	1024*600	164.8x99.9x2.75	154.2144x85.92	710	IPS	-20~70	LVDS
7.0"	YB-TG1024600S13A-N-A	1024*600	164.8x99.9x2.69	154.2144x85.92	1200	IPS	-20~70	HDMI
7.0"	YB-TG8001280S03A-N-A	800*1280	101.5x162.5x3.8	94.2x150.72	600	IPS	-20~70	MIPI
10.1"	YB-TG1280800S13A-N-A	1280*800	229.8x149.0x6.2mm	216.96x135.6	2600	IPS	-20~70	LVDS
10.1"	YB-TG1280800S13B-N-A	1280*800	229.8x149.0x6.2mm	216.96x135.6	2600	IPS	-20~70	HDMI
12.8"	YB-TG19201080S12A-N-A	1920*1080	292.892x173.358x7.5mm	283.392x159.408	800	IPS	-40~85	LVDS



HDMI Solution

- Support : HDMI board
- Resolution above 800*480...
- TFT interface: RGB, LVDS,EDP...

- ✓ It can support playing audio and video.

Size	Resolution	Signal Input	TP Interface
4.3"	800*480	HDMI	USB
5.0"	800*480	HDMI	USB
7.0"	1024*600	HDMI	USB
7.0"	800*480	HDMI	USB
8.0"	800*600	HDMI	USB
8.0"	1024*768	HDMI	USB
10.1"	1280*800	HDMI	USB
11.6"	1920*1080	HDMI	USB
13.3"	1920*1080	HDMI	USB
15.6"	1920*1080	HDMI	USB

One Key Solution: HDMI Convert Board with TFT+CTP



7.0~15.6" inch
TFT+CTP+HDMI Board

Application:
Industrial Instrument, Control Board



▶ New Launch -Smart TFT



Main features

Supports resolutions up to 1280*1024, covering all sizes up to 10.1" TFT

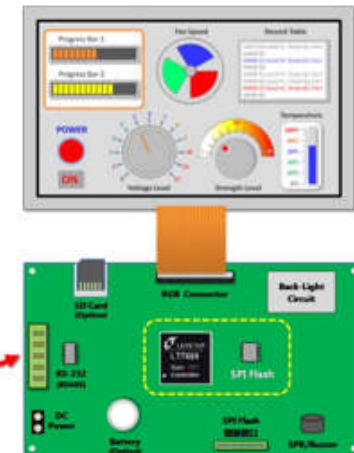
- ◆ Simple and efficient development model with low learning costs for users.
- ◆ Support multiple animation effects, pop up, slide, rotate, turn pages, etc.
- ◆ Controls galore, keys, text, pop-ups, full keyboard, sliders, checkboxes and more.
- ◆ Support of user data operations
- ◆ Yeebo specific serial protocols, simplified protocol content.

SMART TFT

图文UI编译器
(UI_Editor)

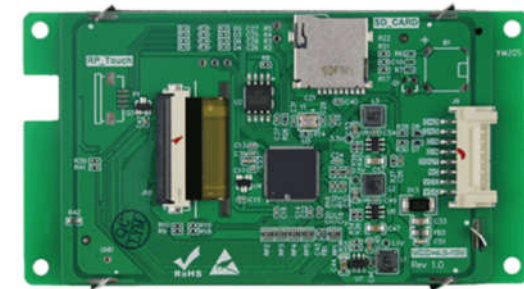
指令编译器
(UartTFT)

仿真模拟器
(UI_Emulator)

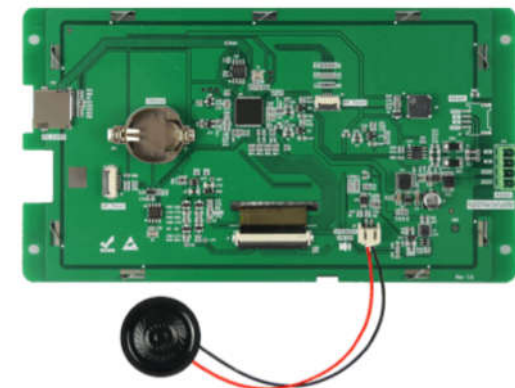


New Launch - Smart TFT

Product application	Medical
Size	3.5" 320*480
Display	IPS
Viewing angle	Free
Operating Temp.	-20 to 70°C
Storage Temp.	-30°C to 80°C



Product application	Air conditioner
Size	4.3" 480*272
Display	IPS
Viewing angle	Free
Operating Temp.	-20 to 70°C
Storage Temp.	-30°C to 80°C



▶ UART/SPI Smart TFT



Product application	Aesthetic medicine EV Charge
Size	10.1" TFT with CTP 1280*800
Display	IPS
Contrast Ratio	1000
Viewing angle	Free
Operating Temp.	-20 to 70°C
Storage Temp.	-30°C to 80°C



▶ Total Solution with PCBA and Housing



Agricultural machinery navigation



Medical



EV charge



New Launch- Round Type TFT



Floor scrubber
2.1" 480*480



Oven



Coffee machine
1.8" 360*360

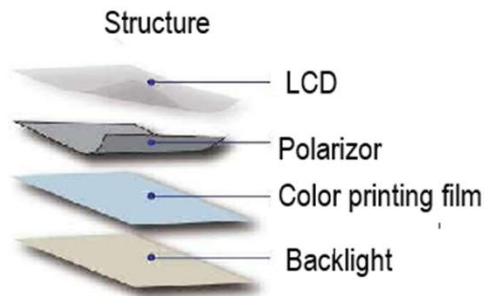
Size	Display	Resolution
1.28"	IPS	240*240
1.28"	IPS	320*320
1.45"(transflective)	TN	360*360
1.8"	IPS	360*360
2.1"	IPS	480*480
4.0"	IPS	720*720
5.0"	IPS	1080*1080

New launch -Color MVA for LCM

PMVA with full viewing angle, Using Patterned Multi-Domain vertical alignment Technology

Matrix patterned design	Transmittance		CR	View Cone	Remarks
	Vertical 90°	12'o clock 45 °	Vertical/12'o clock Contrast Ratio	CR=10 U/D/L/R	
Normal VA	10%	10~12%	≥1500:1	U/D ≥70°/≥30° L/R ≥70°/≥70°	Need rubbing;
MVA	9.8%	10.7%	≥1200:1	U/D ≥70°/≥70° L/R ≥70°/≥70°	OK, High CR/Tr, First preferred design
TN type TFT	5.7%(with Pol) 19.1%(without Pol)	/	Min 450:1, Typical600:1	U/D ≥45°/≥55° L/R ≥55°/≥55°	
IPS type TFT	4.47%(with Pol) 14.2%(without Pol)	/	Min 640:1, Typical800:1	U/D ≥80°/≥80° L/R ≥80°/≥80°	

Color MVA: MVA with color ink-jet printing film



Integrated black and Color displaying, high reliability(-40~90 °C, 85°C*85%RH)



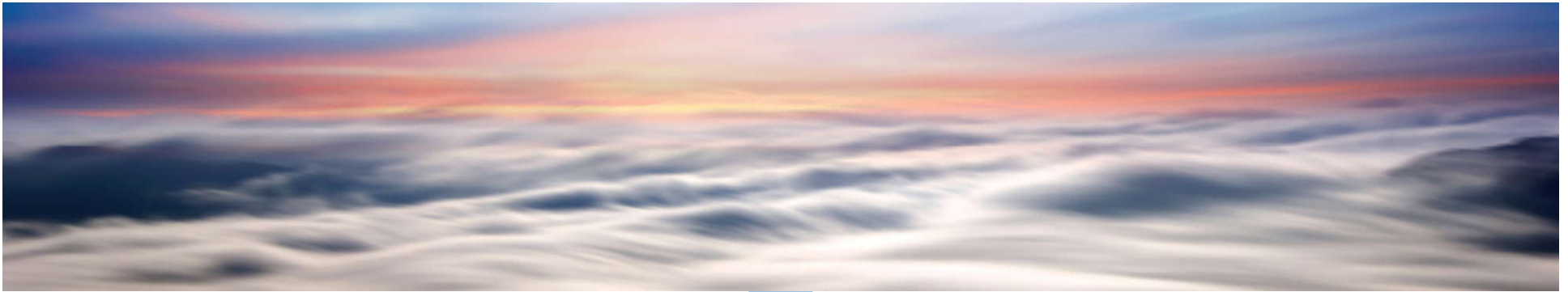
Integrated Black

Full Viewing Angle



Color MVA Display

High Reliability



Innovation for For TFT with CTP





CTP Product Size-Structure-Performance

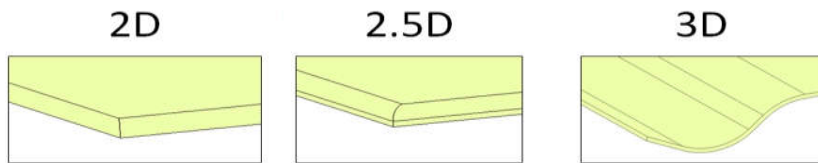
Size Mode	0.96~2.0"	2.0~3.0"	3.0~5.0"	5.0~7.0"	7.0~10.1"	10.1~ 15.6"	>15.6"	
G+G		Support Passive Pen; Water Resistant & Wet Finger Touch; Glove Touch ; Thick/Long Cover Touch; Color Printing ; Chemical/Physical Reinforced Glass ; High thermal stability ; Anti-UV						
G+FF		Support Passive Pen ; Water Resistant & Wet Finger Touch ; Color Printing ; Chemical/Physical Reinforced Glass ; Anti-UV						
P+G		Support Passive Pen ; Water Resistant & Wet Finger Touch ; Color Printing ; Anti-UV						
P+FF		Support Passive Pen ; Water Resistant & Wet Finger Touch ; Low Cost						
GF		Single Layer Two-point or Single Point + Gesture Control						
OGS		Support 1-10 points, applied to simple operation application						



IK Rating

Structure	Size	CTP Type	Lens Thickness	Material	IK Rating
TFT+CTP	3.5"	G+G	1.1	Soda-lime glass	IK04
	3.5"	G+G	1.8	Soda-lime glass	IK06
	5.0"	G+G	1.1	Soda-lime glass	IK05
	5.0"	G+G	1.8	Soda-lime glass	IK07
	7.0"	G+G	1.1	Soda-lime glass	IK06
	10.1"	G+G	4.0	Soda-lime glass	IK08
	10.1"	G+G	5.0	Aluminosilicate glass	IK10
	10.1"	G+G	5.0	Soda-lime glass	IK10
	13.3"	G+G	3.0	Soda-lime glass	IK08
21.5"	G+G	4.0	Soda-lime glass	IK10	

CTP/Lens Edging Treatment:

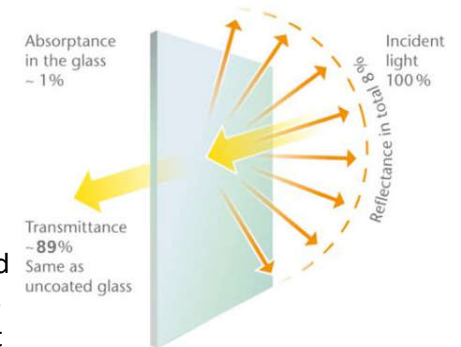


CTP/Lens Surface Treatment

AG(Anti-Glare Glass)

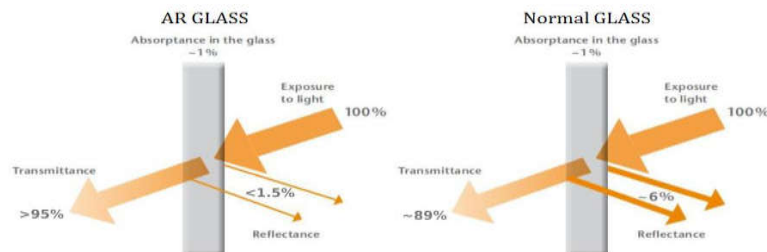
AG	Item	Gloss(%)	Transmittance(%)	Haze(%)	Pencil Hardness	Roughness (um)
AG	Etching (outsourcing)	60+/-10	>89	10+/-3	6H	0.12+/-0.03
		70+/-10	>89	7+/-3	6H	0.11+/-0.03
		90+/-10	>89	5+/-3	6H	0.1+/-0.03
		110+/-10	>89	4+/-3	6H	0.07+/-0.03

Note: AG glass (Anti-glare glass) is a kind of glass that is specially processed on the surface of glass. It is characterized by changing the original glass reflective surface into a matte non-reflective surface (uneven surface). The principle is that the double-sided or single-sided high-quality glass sheet is specially processed. Compared with ordinary glass, it has a lower reflectivity, and the reflectivity of light is reduced from 8% to less than 1%.



AR(Anti-Reflection)

AR	Item	Transmittance	Reflectivity
AR	Normal Glass	≥89%	≤6.0%
	AR Glass	≥95%	≤1.5%

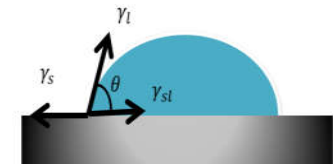


Note: Anti-Reflection (AR film) achieves the purpose of anti-reflection by increasing the light transmittance of glass and reducing the reflectivity of glass. Through careful layer design and tight control of film thickness, interference effects are used to reduce substrate surface reflections. Process AR process: Clean → dry → coating → curing → high temperature tempered AR Coating LCD display Reduce the intensity of reflected light, and the surface reflection is reduced to less than 1.5% to prevent glare

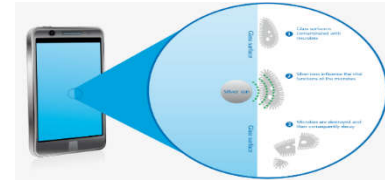
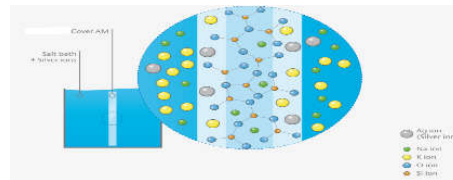
CTP/Lens Surface Treatment

AF(Anti-Fingerprint) / AS(Anti-Smudge)

	Item	Contact Angle (Before Rubbing)	Contact Angle (After Rubbing)	Test Condition
AF /AS	Plating (in house)	>110°	>100°	Rubbing Pressure: 500g N ,>2000 times
	Evaporating (outsourse)	>110°	>100°	Rubbing Pressure: 500g N ,>8000 times



AM(Anti-Microbial)



The method is to exchange silver ions on the glass surface, and silver ions and compounds are toxic to some bacteria, viruses, algae and fungi, but they are almost completely harmless to the human body. The antibacterial properties of silver are derived from silver ions. Because silver ions can form strong binding bonds with some substances used by microorganisms for respiration (such as some molecules containing oxygen, sulfur, and nitrogen), these substances cannot be used by microorganisms, so that microorganisms suffocate.





CTP solutions: Outdoor UV protection and UV resistance

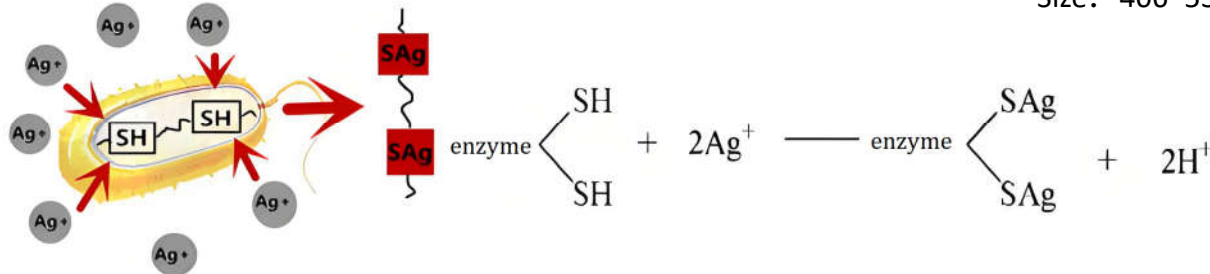
No.	TP solutions	TFT solutions	UV resistance duration	Remarks
1	Ceramic ink lens + anti-UV OCA +G SENSOR	3M/Nitto OCA + Wide temp range TFT(ordinary front polarizer)	1000H	Permanent defense, Lens thickness≥2.0mm
2	UV resistant ink lens(1000H)+anti-UV OCA +G SENSOR	3M/Nitto OCA + Wide temp range TFT(ordinary front polarizer)	1000H	/
3	Ceramic ink lens +UV resistant OCA (3M) +G SENSOR	3M/Nitto OCA + Wide temp range TFT(anti-UV front polarizer)	500H	Permanent defense, Lens thickness≥2.0mm
4	UV resistant ink lens(1000H)+UV resistant OCA(3M) +G SENSOR	3M/Nitto OCA +Wide temp range TFT(anti-UV front polarizer)	500H	/
5	Ordinary ink surface with anti-UV coating+3M OCA +G SENSOR	3M/Nitto OCA + Wide temp range TFT(ordinary front polarizer)	10000H	Needs to define the limited sample according to the color of the CL. The available size is within 200*300mm

Note: Among these 5 options above, surface treatment can be added



CTP New Technology: AM(Anti-Microbial)

Yeebo's Anti-Microbial Glass is self-developed and produced by In-house Coating. Through high-temperature Ag⁺ exchange, Anti-Microbial factors (Ag⁺) are introduced into the optical glass body, exerting their strong oxidizing properties, disrupting the atomic bonding (-SH) of bacterial substances, and causing the bacteria to lose their reproductive ability, achieving antibacterial and antibacterial properties; Anti-Microbial glass prepared by ion exchange method has obvious advantages in durability, scratch resistance, and physicochemical properties; On the basis of having all the functions of self-cleaning glass, Yeebo's Anti-Microbial breaks through the dependence of ordinary self-cleaning glass on ultraviolet radiation for sterilization, achieving full functionality of sterilization and inhibition in all weather conditions



Ability

Yeebo's Anti-Microbial Glass has passed the testing of SGS Testing Center, with a sterilization rate of 99.9%; The execution standards are based on domestic standards (JC/T 1054-2007) and European Union standards (ISO22196);

Application:

- *Medical equipment;
- *Handheld, wearable devices;
- *Household appliance display panels with antibacterial requirements;
- *All display panels for Human-Machine Interaction;
- Etc



Processing capability

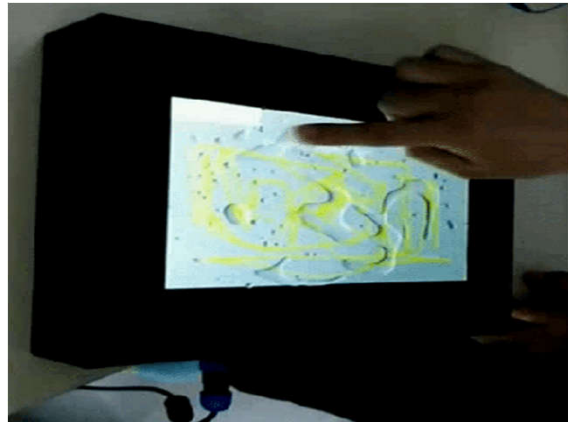
Thickness: 0.4mm-2.0mm;
Production capacity : 300pcs/day;
Size: 406*536mm&355*406mm;



Water Resistant & Wet Finger Touch

salt-spray resistant < 5%

Video



▶ CTP New Technology: Black panel

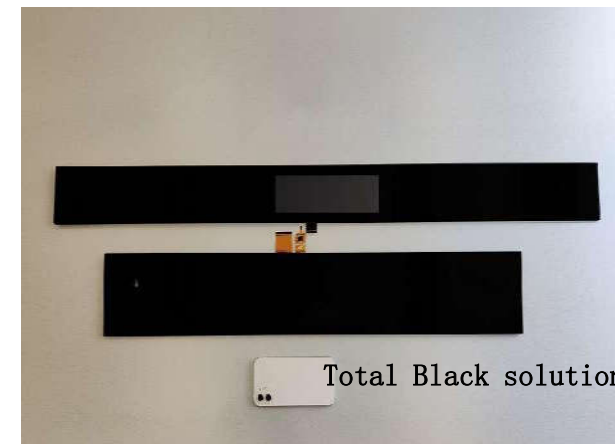


Access control



Large size Optical Bonding Capability

Coverlens Max Length:1000mm
Optical Bonding Capability :
Normal Rang : 0.96"~15.6"
Max size : 32"



Total Black solution



CTP New Technology: Golden/Silver/White/Wood Panel



performance after power off



performance after power on

Total wood solution



performance after power off



performance after power on



▶ CTP New Technology: 3D Tracking and Gesture Control

- True single-chip gesture solution for embedded usage
- From 0 (touch) to 20 cm detection range
- Very low-power design
- No detection blind spots
- No ambient influences (light/sound)
- Use of thin, low-cost sensing electrodes, for example a standard PCB
- Highest gesture detection reliability
- Active noise handling 44 - 100 kHz carrier frequency; no RF interference



FIGURE 1-1: EQUIPOTENTIAL LINES OF AN UNDISTORTED E-FIELD

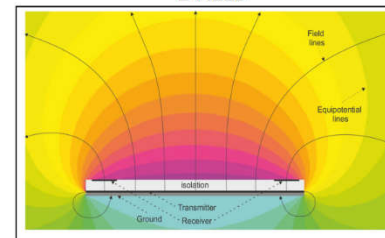
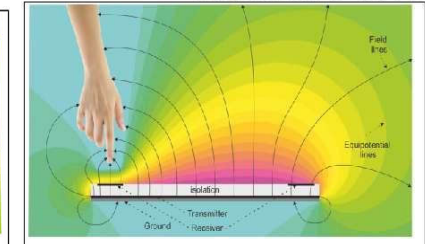


FIGURE 1-2: EQUIPOTENTIAL LINES OF A DISTORTED E-FIELD



▶ CTP Applications: Construction machinery & EV charger

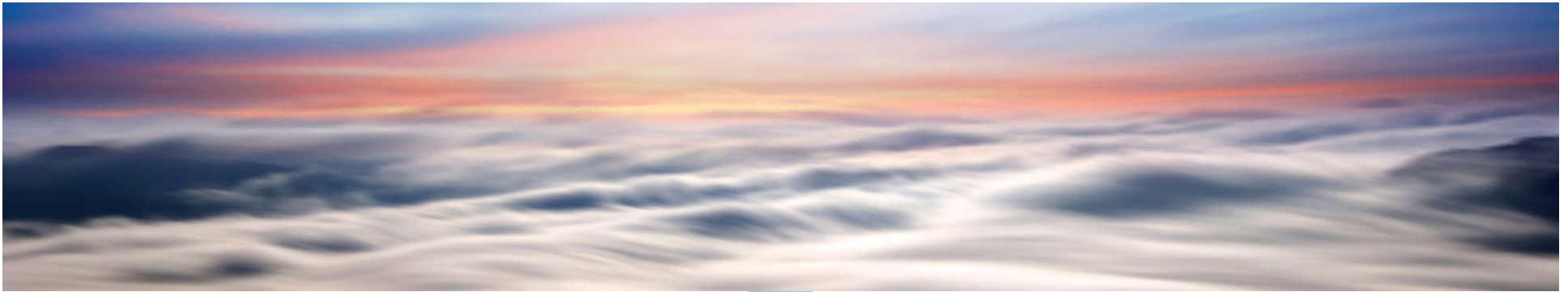
Product structure: G/P Lens + G Sensor + TFT; G/P+F/F+TFT

CTP type: Glass lens; PMMA/PC lens; Dito Glass Sensor; Film Sensor

Characteristic: High reliability; Medium to large-sized (oversized Lens + medium size TFT); Featuring a large product span (7 to 56 inches diagonally and by length 150~1400mm), high difficulty for production; Strict application environment requirements; High level requirements for IK/IP rating, etc; Multi screen bonding.

Capability: Self built production line for Lens ($\leq 32''$ or 1200mm length)+ TFT (≤ 21 inches) small batch bonding
Importing the 395/405nm high wavelength UV curing equipment





Other Product Roadmap



E-paper Solution

Size	Outline Dimension(mm)	Active Area(mm)	Resolution	Dot Pitch(mm)	TCON Insid	Interface
1.54'	31.92(H)x35.44(V)x0.82(T)	27.72x27.72	200x200	0.1386x0.1386(183dpi)	√	SPI
1.54'	31.92(H)x35.44(V)x0.82(T)	27.72x27.72	152x152	0.18x0.18(130dpi)	√	SPI
2.13'	29.2(H)x59.2(V)x0.82(T)	23.8x48.55	122x250	0.195x0.194(130dpi)	√	SPI
2.66'	36.3(H)x71.8(V)x0.82(T)	30.704x60.088	152x296	0.202x0.203(112dpi)	√	SPI
2.7'	70.4(H)x45.8.1(V)x0.82(T)	57.29x38.19	176x264	0.226x0.227(112dpi)	√	SPI
2.9'	80.4(H)x38.1(V)x0.82(T)	66.93x29.07	128x296	0.217x0.217(120dpi)	√	SPI
2.9'	35.568(H)x79.98 (V)x0.82(T)	29.568x67.584	168x384	0.176x0.176(144dpi)	√	SPI
3.52'	54.4(H)x84.7(V)x0.82(T)	49.67x74.51	240x360	0.196x0.196(130dpi)	√	SPI
3.71'	53(H)x92.99(V)x0.82(T)	47.04x81.536	240x416	0.196x0.196(130dpi)	√	SPI
3.97'	56.24(H)x96.62(V)x0.82(T)	51.84x86.40	480x800	0.108x0.108(235dpi)	√	SPI
4.2'	77(H)x91(V)x1.02(T)	63.6x84.8	300x400	0.212x0.212(120dpi)	√	SPI

Characteristic:

- Ultra-Low Power Consumption : No power is needed to hold an image.
- Paper white background : Easy to read.
- Reflective type: No Backlight.
- Wide View Angle

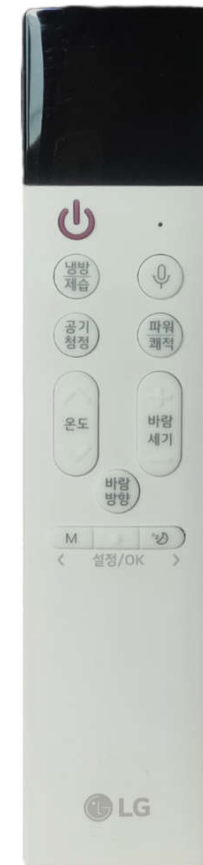


PMOLED Solution


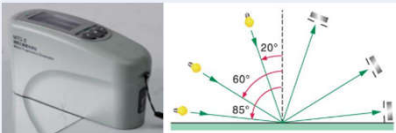



Size	Color	Resolution	Outline Dimension(mm)	A.A Size(mm)	Structure	Interface
0.69"	White	96*16	24*6.94*1.28	17.26*3.18	COG+FPC	8080/6800/SPI/I ² C
0.78"	White	128*80	12.13*23.6*1.28	9.68*17.26	COG+FPC	8080/6800/SPI/I ² C
0.96"	White/Blue	128*64	25*16.9*1.28	21.74*11.18	COG+FPC	8080/6800/SPI/I ² C
1.12"	white	128*128	22.8*26.9*1.28	20.14*20.14	COG+FPC	8080/6800/SPI/I ² C
1.30"	white	128*64	35.8*17.1*1.43	29.42*14.7	COG+FPC	8080/6800/SPI/I ² C
2.80"	white	256*64	77.5*23.1*2.03	69.1*17.26	COG+FPC	8080/6800/SPI/I ² C

Characteristic:

- Wide operation temperature : -40~70° C
- Ultra high contrast: 10000:1
- Wide View Angle
- Ultra fast response time : typical 10 us



New testing equipment

Tester	Function	Equipment picture
Haze tester	Function: Spectral transmittance curve, total transmittance, scattered transmittance, parallel transmittance, haze, spectral haze, color coordinates, color temperature, yellow index YI, etc Refer to standards such as ASTM D1003, GB/T 2410, ISO14782, JC/T2130-2013, JIS K7105-81, etc	
Glossiness tester	Mainly used for measuring the surface gloss of materials in industries such as spraying, plastic, printing, metal, ceramics, building materials, leather, paint, etc Compliant with standards: DIN 67530, ISO 2813, ASTM D 523, JIS Z8741, BS 3900 Part D5 JIG696, etc	
Combination immunity tester	EFT group pulse: test voltage range 0.25-5KV; Source impedance: 50/1000 Ω ; Lightning surge: test voltage range 0.3-5KV \pm 10%; Source impedance: 2 Ω ; Voltage waveform: 1.2us \pm 30%/50us \pm 20%; Current waveform: 8us \pm 20%/20us \pm 20% IEC61000-4-4, IEC61000-4-5, lightning surge and group pulse testing	
Spectrum analyzer + near-field probe	Can seamlessly collect and analyze signals within the analysis bandwidth, providing spectrograms, probability density spectra, and time power, etc Analysis function: RSTA/EMI	
4-channel oscilloscope	The oscilloscope has a simulated channel bandwidth of up to 2 GHz, with 7 instruments in one. It has a large storage depth of 500 Mbps, good waveform display effect, excellent waveform capture rate, and powerful data analysis function. It also supports real-time eye diagram measurement and jitter analysis	





YB

THANKS