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PROFESSIONAL
DISPLAY

About us

Tianma Microelectronics Co., Ltd. (Tianma), founded in 1983 and listed on the Shenzhen Stock Exchange (SZ 000050), is a global leader in small and medium-sized display solutions. Updated for 2026, this overview highlights Tianma's latest achievements and strategic direction.

Our Focus: 2+1+N Strategy

Tianma's growth is driven by our "2+1+N" strategy:

- **Smartphone Displays** – Flexible AM-OLED and LTPS TFT-LCD technologies for high-performance mobile devices.
- **Automotive Displays** – Advanced in-vehicle instrument clusters, center stacks, and HUD solutions meeting stringent automotive-grade standards.
- **+1: IT Displays** – High-resolution panels for notebooks, tablets, and monitors, a key growth engine.
- **+N: Professional & Emerging Technologies** – Specialized displays for medical, industrial, and smart home applications, plus non-display innovations such as intelligent sensing.

Recent Achievements

In 2024, Tianma ranked 3rd globally and 2nd in China for flexible AM-OLED mobile display shipments, reinforcing our leadership in smartphone technology. At the same time, we maintained the No.1 global market share for five consecutive years in automotive-grade displays and in-vehicle instrument clusters, with HUD shipments climbing to the global top tier. Our IT display segment achieved major breakthroughs with leading brands, while professional display markets continued to expand across medical, industrial handheld, and smart home sectors.

Technology Leadership

Innovation is at the core of Tianma's success. We have independently developed and mass-produced cutting-edge technologies including TFT-LCD, LTPS, Oxide TFT-LCD, AM-OLED, Flexible and Foldable Displays, Micro/Mini-LED, Touch Integration, HTD, CFOT, and Intelligent Sensing. These technologies are internationally advanced and domestically leading, earning numerous awards for product innovation and application excellence. Continuous investment in R & D ensures we stay ahead of evolving market needs.

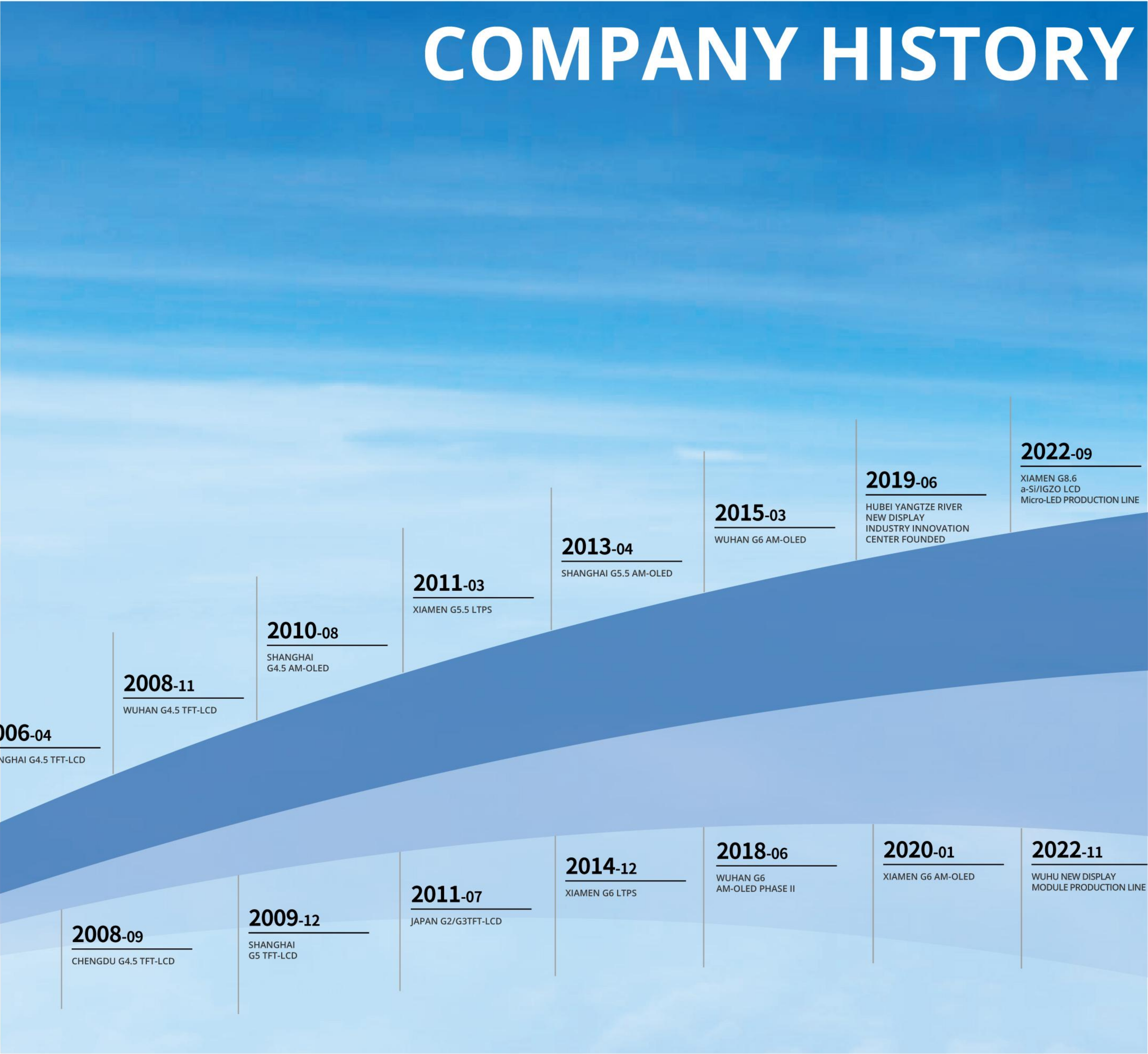
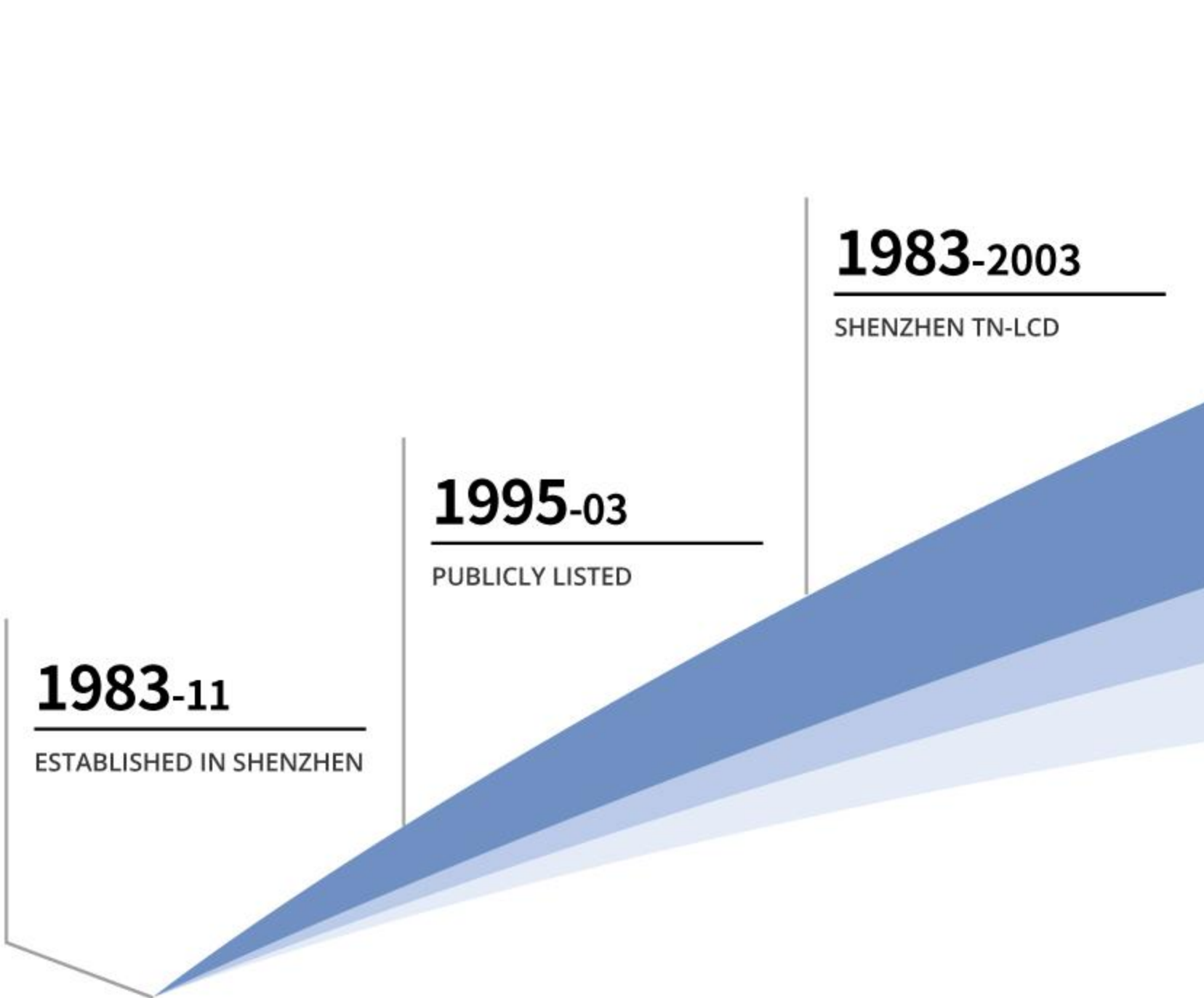
Global Manufacturing & Service Network

Tianma operates seven specialized manufacturing centers in Shenzhen, Shanghai, Chengdu, Wuhan, Xiamen, Wuhu, and Japan, supported by a global marketing and technical service network spanning the U.S., Germany, Japan, South Korea, India, and other regions. This infrastructure enables rapid response and tailored solutions for both domestic and international customers.

Looking Ahead

As we enter 2026, Tianma remains committed to advancing display technology and expanding strategic presence worldwide. By leveraging global resources and forward-looking innovation, we aim to deliver leading-edge display solutions and responsive service, accelerating progress toward our vision of being the world's premier provider of display solutions.

Source: OMDIA, Sigmaintel, DISCIEN



FIELDS OF APPLICATION

P Series-Industrial & Medical



Diagnosis



Surgical/Endoscopic



Ultrasound



Monitoring



HMI



ATM



Charging Piles



Industrial Vehicles



Aviation



Marine



Industrial Mobile

A Series-AIoT



Home Automation



White Goods



VoIP



Projector



MFP



Playtables



2W



Industrial Handheld Devices



Education



Finance POS



DSC



Medical

C Series-Commercial Display



Digital Signage



One-stop Terminal



Mass Transit



Retail (POS/KIOSK)

TO CREATE COLORFUL LIFE



Size



Resolution



Form Factor



Touch



Flexible Choice

60"

1"

8K

240*320

4:3

16:9

Strip Display

Circular Display

Any Shape

Industrial Grade

GG/GFF

In-cell & On-cell

Standard Modules

Touch Selectable

Custom-made Glass

P Series-Standard Solution



Advanced

High Brightness

Long Lifetime (up to 100k hrs)

Anti-Vibration

Wide Operating Temperature

*Either criteria



Basic

Standard Brightness

50k hrs Lifetime

LED Driver Integrated

-20~70 C Operation



Entry

Economy Design

30k hrs Life Time

Extreme Environment

Sunlight Readable

Heavy Vibration Shock

Super Long Lifetime

Medical Diagnostic

Harsh Environment

Semi-outdoor

Long Lifetime

Normal Environment

Indoor

Normal Lifetime

QUALITY FEATURES

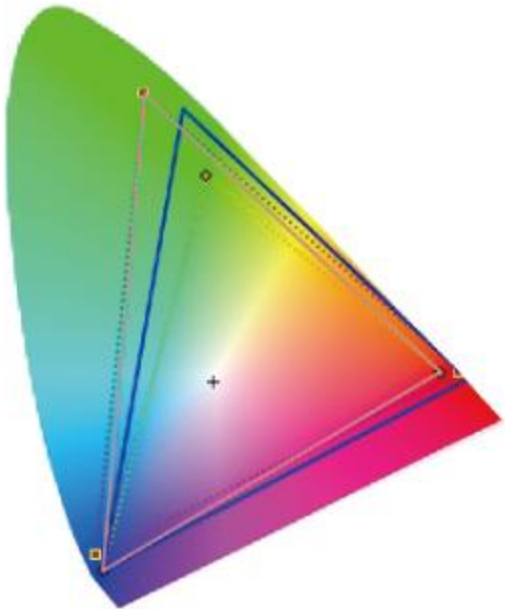
High Color Gamut

It achieves 100% coverage of both the Adobe RGB and DCI-P3 color gamuts, faithfully reproducing precise color details.

A & D 100%



High Color Gamut



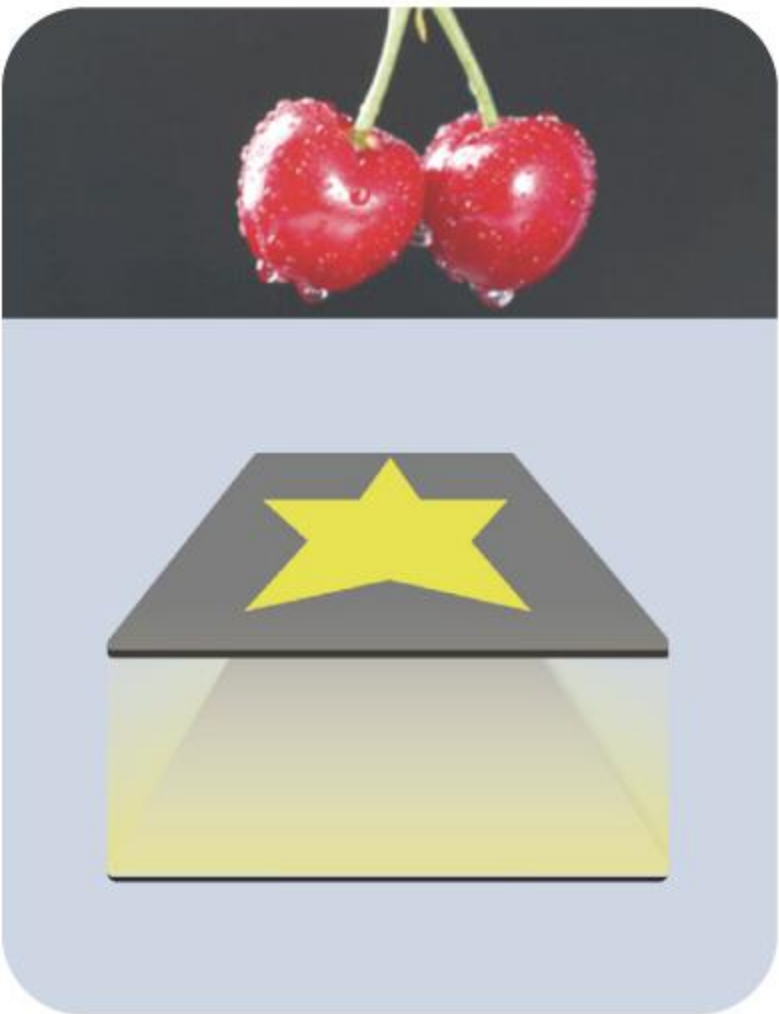
Adobe RGB
DCI-P3

New Color Resin

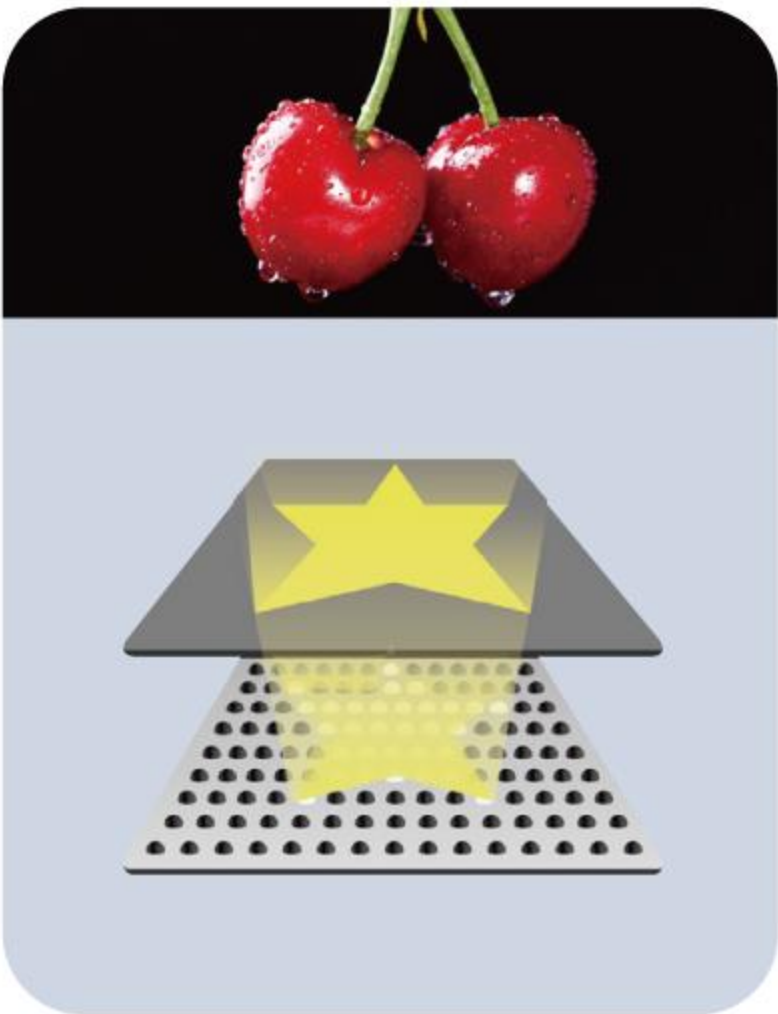
Mini-LED Backlight (BLU)

Mini-LED BLU Technology: Blue LED chip + color conversion creates an efficient white backlight, which combined with the LCD results in a high color-gamut display.

Normal-LED



Mini-LED



- High contrast ratio
- High color gamut
- high brightness
- Low power consumption
- Longer life

TO CREATE COLORFUL LIFE

EyeFun™

Certified by TÜV... for non-reflection (SCI <1%) and featuring excellent anti-glare performance (Haze~30%), this display supports ultra-wide viewing angles of $\geq 30^\circ$. It also includes ambient light gamma adaptive technology, ensuring outstanding low grayscale details in various environments.



Normal LCD EyeFun™ Normal paper like

- Paper eye protection
- Anti-glare
- Low blue light
- No image interference
- Comfortable brightness
- True wide viewing angle

High Screen-to-Body Ratio

Through technological innovation, we continuously increase the display-to-body ratio to enhance the visual experience.

Narrow Border



23.8inch

- Seal Width Reduction
- Module Process Optimization
- TFT CF Inversion for Border Visual Optimization
- Four sides borderless

Long-life

High-reliability ASG circuits and advanced backlight materials enable extended product life with stable quality and consistent performance.

1st Generation



2nd Generation



3000hrs 60°C/90% RH (High temperature and humidity operating)
>70000hrs (side emitting LED, Continuous operation at room temperature with brightness decay ≤50%)

Stable brightness at room temperature during continuous operation

Brightness attenuation compensation

Side emitting LED

One chip IC

Narrow bezel

High reliability A-si gate driver

Anti-Vibration

Enhanced internal support (PS) and robust structural design deliver superior vibration resistance, making this solution ideal for demanding environments such as construction machinery and two-wheeled vehicles.



Vibration table acceleration: 10G

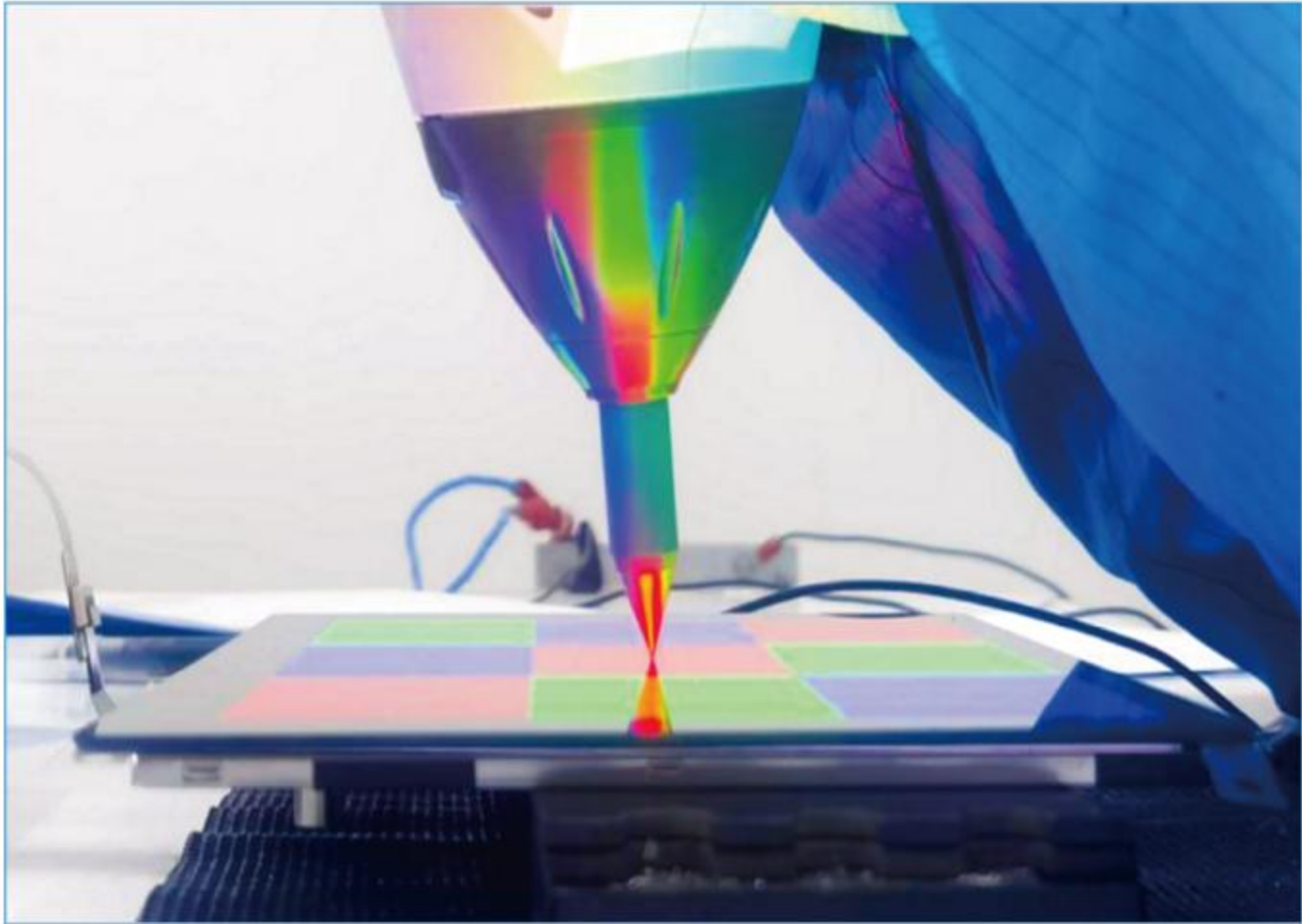
Frequency range: 15~500Hz

X/Y/Z axis test:

- 20 hours per axis (total 60hours) for sizes 7"
- 1 hour per axis (total 3 hours) for sizes 7~15.6"

Anti-ESD

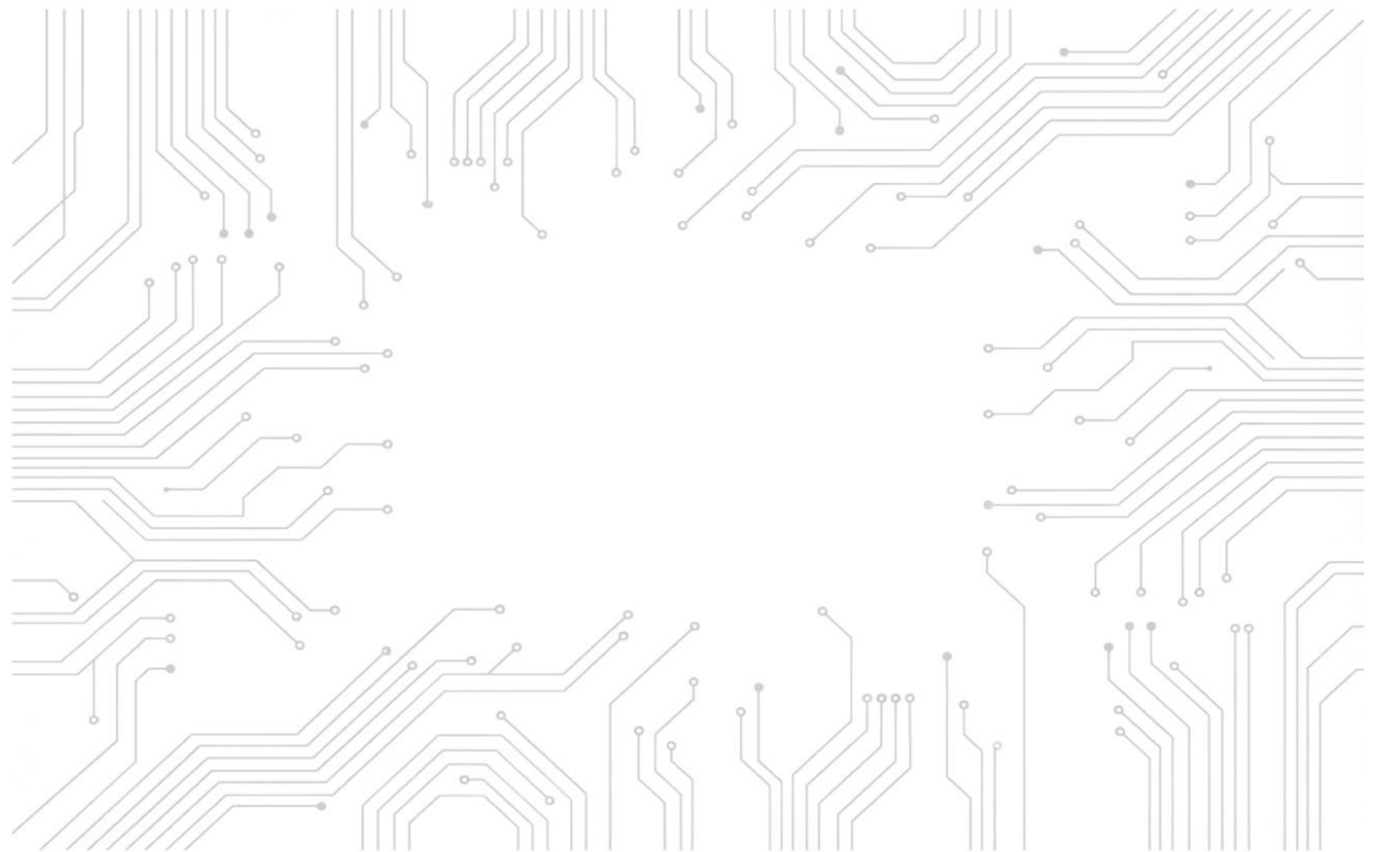
ESD path analysis combined with electrical and structural isolation, plus optimized drainage design, ensures robust protection and meets stringent product specifications.



Contact: ±8KV

Air: ±15KV

Class: ≥B



PCAP One Stop Solution

Touch control integration covering various industries requires more options for enhanced features and performance.



Performance

Service

- Designed for Industrial & Medical
- Wet & Glove Support
- Anti-noise Design
- Thin & Light
- Narrow Border
- In-House Bonding Options
- Interface Options (USB/IIC/UART)
- PCAP Tuning Support
- Customized Cover Glass

Anti-Reflection Optically cancels the reflected light Able to keep glossy surface

Anti-Glare Reduce the reflected light by matte finish surface

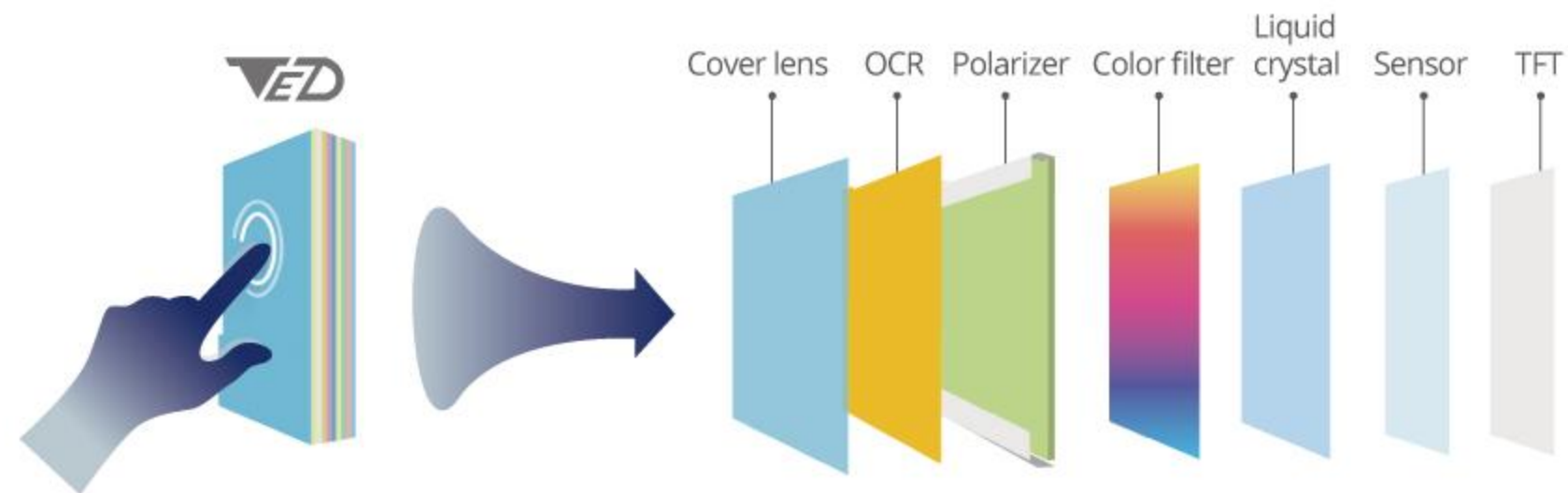
Anti-Fingerprint Minimize the surface tension of the cover Avoid fingerprints and smudges

Anti-Bacterial AG + glass treatment to support anti-bacterial effect

Impact Resistant Chemical strengthen Thick <3mm, physical streng-then tempered glass, Thick >3mm, IK09 level

TED

Touch Embedded Display technology integrates a high-performance touch function sensor inside the TFT glass cell.



ESD: Air/15kv, Contact/8kv

Ultra-low reflection

Integrated touch

Wet & Glove

Passive pen: Tip diameter ≤2.0mm

Ultra-thin

Narrow border

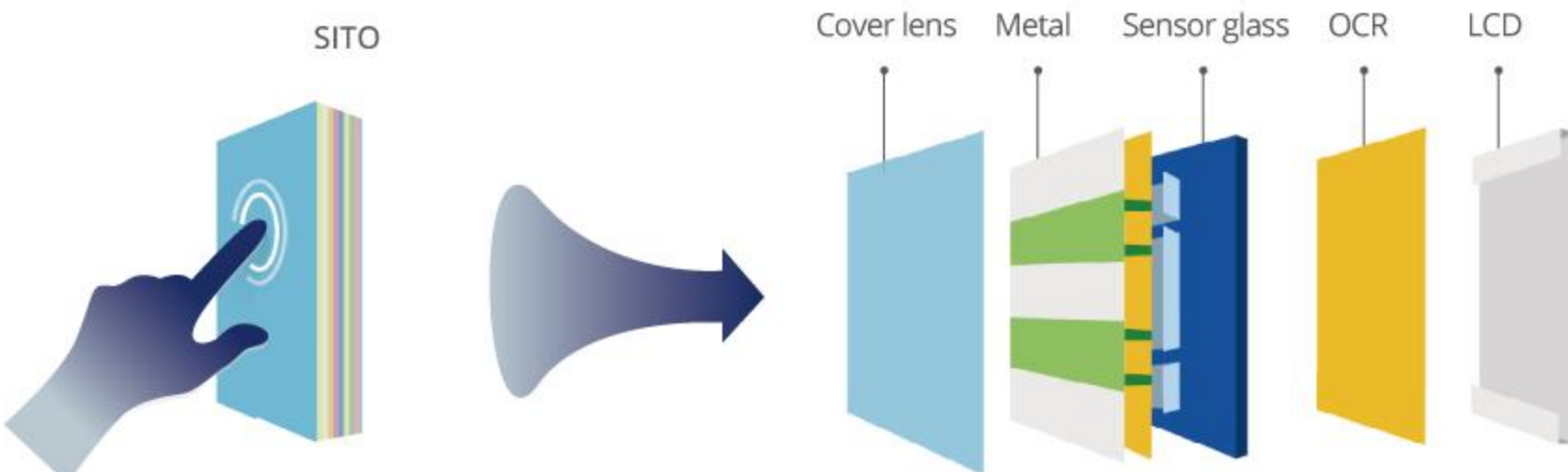
1 inch~32inch

Moderate to Heavy Rain 6mm 2mm

*TED: Touch embedded display
*On-cell/TED technologies applied to A series

Single ITO

The touch pattern consists of a single layer of Indium Tin Oxide (ITO).



ESD: Air/15kv, Contact/8kv

Passive pen: Tip diameter ≤2.0mm

Wet & Glove

High reliability

DISTINCTIVE TECHNOLOGIES

Bistable

It has the characteristics of flicker-free, full-viewing angle, true color and ultra-low power, relying on the selective reflection characteristics of bi-stable cholesteric liquid crystal and red, green and blue three-screen stacking technology. This technology is widely used in e-books and billboards.





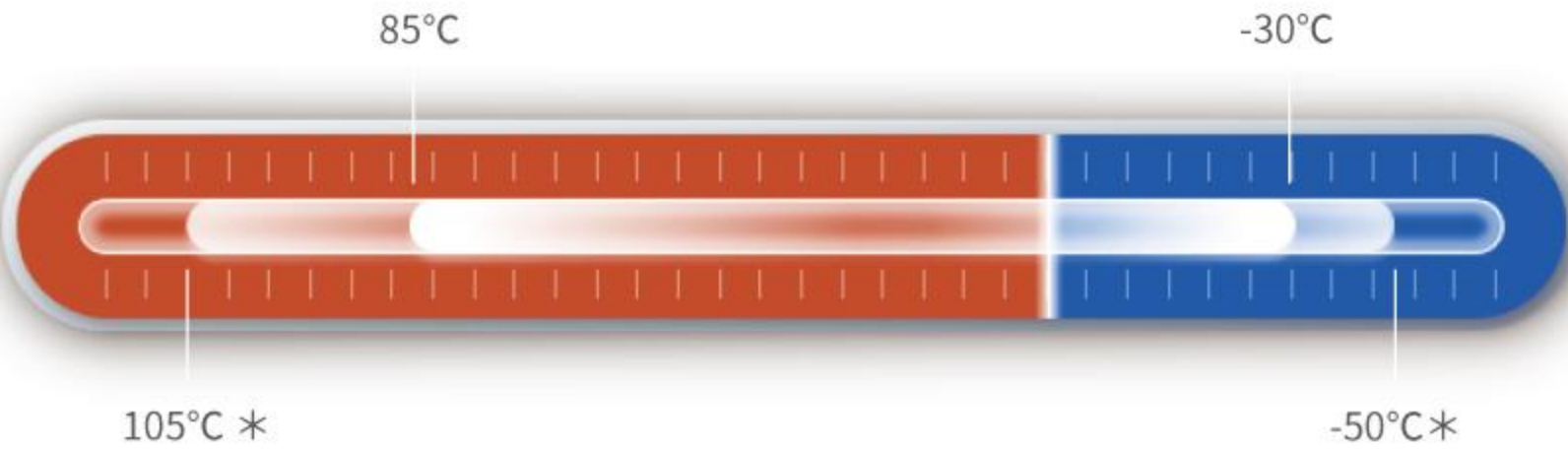
 static screen 0 power consumption

 Full viewing angle, sunlight reflection

Wide Temperature

Our wide temperature display technology extends well beyond typical ranges of 0°C to 60°C for consumer products and -20°C to 70°C for industrial designs. Advanced solutions operate from -30°C to +80°C, with options reaching as high as 105°C or as low as -50°C. These capabilities are enabled through the implementation of sophisticated module designs incorporating advanced materials and components.

Conventional



High-Reliability Materials and Drive Solutions

Super Low Temp

Tianma Capabilities

※ Environment Temp. keep normal display

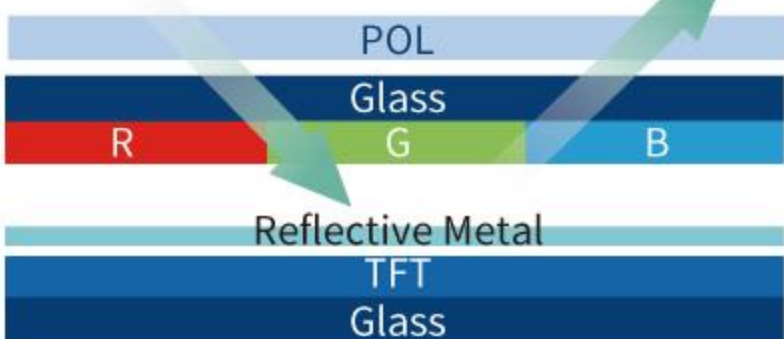
TO CREATE COLORFUL LIFE

ART LCD

Reflective LCD technology uses a silver (Ag) reflective layer process and a special polarizer design to dramatically improve contrast and reflectivity for superior outdoor visibility and ultra-low power consumption.

Power 80% ↓
(Reflective mode w/o backlight vs Conventional transmissive LCD)



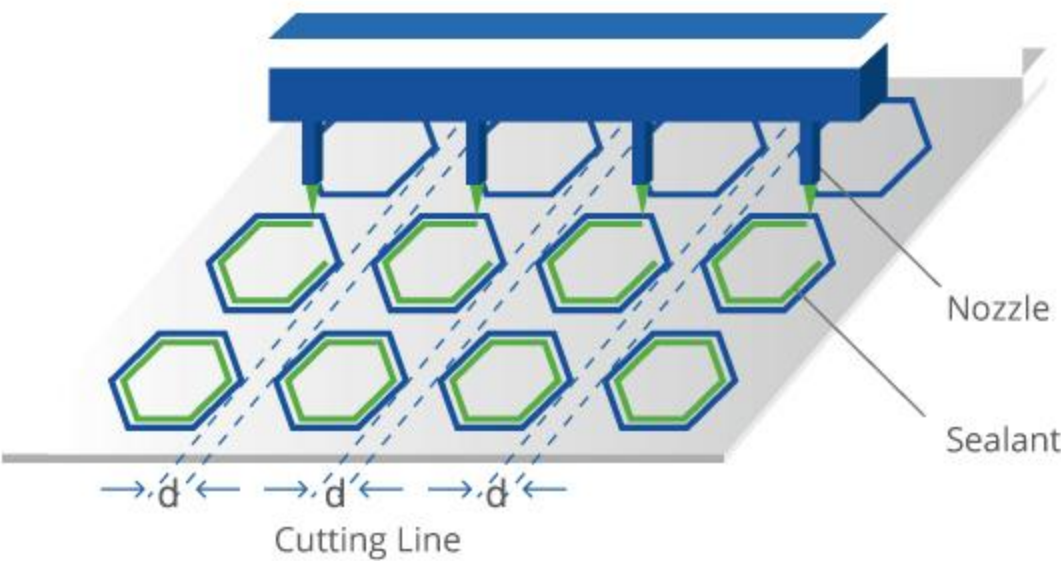


 Low power consumption

 Outdoor visibility

Free Form

Free form technology allows for flexible design according to the specific needs of the customer. Its shape is not limited to the traditional rectangle, but can also be designed as a circle, polygon, ring or even trapezoid. In addition, free-form technology supports the realization of A zone vias to meet the diverse application needs of customers.





Round

Narrow border

Arc without sawtooth

Seamless

The decorative cover is invisible, blending in perfectly with the environment when not displayed, and presenting a clear image when displayed. The color, texture and size of the cover can be customized to meet the design require-ments, and it is widely used in smart home and other fields.

• Black



Low reflection: 0.6% (SCI)

Color cast: ΔE : 0.5

• White



Whiteness (L) 75

Color cast: ΔE : 0.8

• Wood



High transparency decorative cover: 70%

Color cast: ΔE : 1.0

• Space Silver



Color cast: ΔE : 0.5

No halo around the display edges

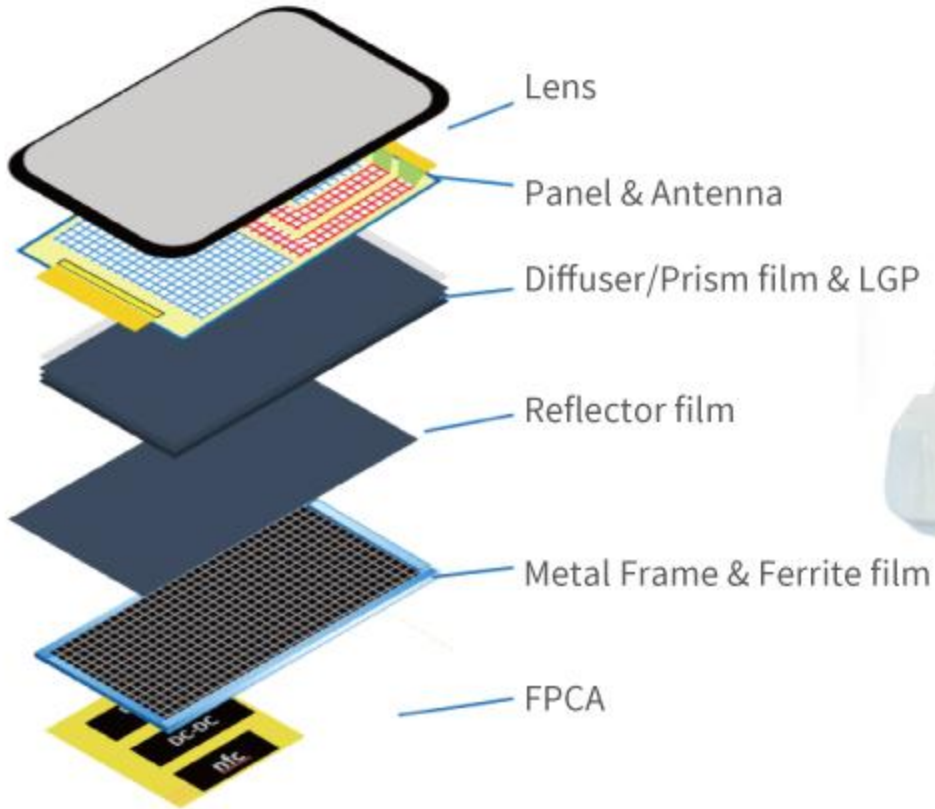
Intelligent Display Module

Intelligent display module, including LCD CTP and drivers. Only a simple interface is necessary for the clients. Capable for varied UI customization. Adaptive to multiple applications.

Abundant interfaces (Uartx4+GPIO×20+ADCx7+PWM) enabling the display to support varied peripheral devices such as sensor, speaker, Wi-Fi module, etc.



- Intelligent display
- UI customization
- Serial ports
- Sensors & Speaker
- Support networking



Lens

Panel & Antenna

Diffuser/Prism film & LGP

Reflector film

Metal Frame & Ferrite film

FPCA

All-in-one panel solution

- Integration of In-Cell Touch and NFC Sensing
- Sensing distance 2cm

3D Light Field Technology

Utilizing multi-viewpoint light field rendering and human eye tracking technology, it achieves natural and comfortable 3D spatial reconstruction. Supported by Tianma's full liquid crystal prism technology, it enables seamless 2D/3D switching without loss of quality, making it suitable for instrument clusters, industrial equipment, and other fields.

TIANMA META SIGHT

12.7" Light Field 3D Flat Panel Display



- Better 3D imaging quality
- Larger 3D Depth Of Field
- Fast eye-tracking technology
- LC Lens, loss-less 2D/3D switch

Flexible OLED Display

Flexible OLED displays have broad application uses in the smart mobile display segment. Using a polyimide flexible substrate and thin film encapsulation technology, narrow border and ultra-thin designs are achieved.



- Ultra thin
- Ultra narrow border
- Free form
- Bending radius

Micro-LED

Micro-LED uses miniaturized LED chips to create self-emissive displays without backlights. It offers high brightness, excellent contrast, energy efficiency, and a slim borderless design.

Transparent with Low Reflection



- Low Reflection <3%
- High PPI ≥167PPI
- High Brightness >2000nits
- High transmittance >50%



- Sidewall Wiring Technology
- Seamless (0"gap)
- 3x Efficiency Improvement
- Seam Width as Low as ~20um

COMBINATION TECHNOLOGIES

TO CREATE COLORFUL LIFE

Industrial Vehicles/Aviation/Marine



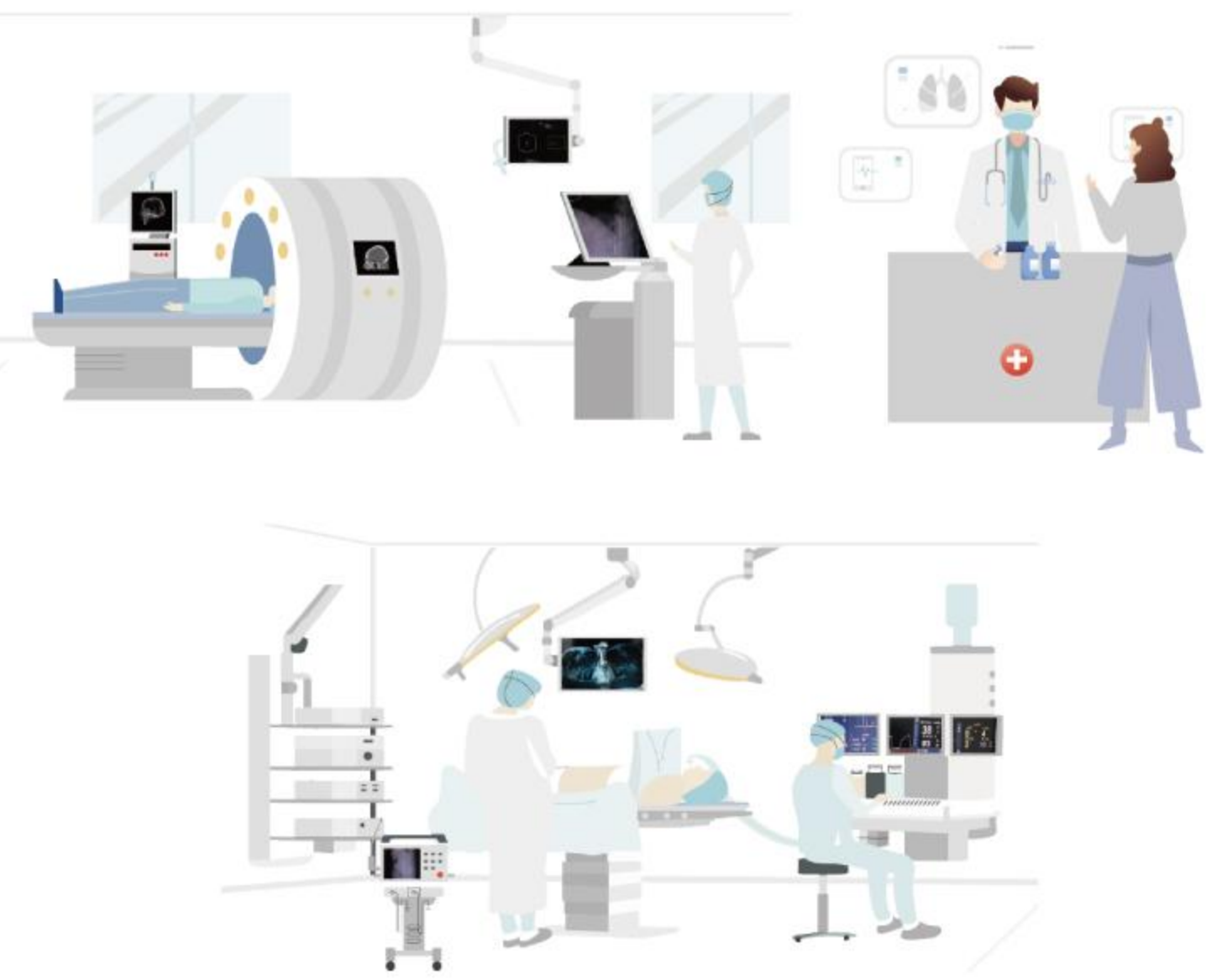
- High brightness
- Anti-reflection glass
- Anti-corrosion
- Dampproof
- Anti-glare glass
- Anti-fingerprint
- Ultraviolet protection

HMI/Outdoor Equipment



- Wide temperature High and low operating temperatures-30°C~+85°C
- Anti-vibration Normal 10~50 Hz X/Y/Z 2 Hrs Total 6 Hrs Acceleration 10G
- Ultraviolet protection UV 1120W/m²
- Longer life >50000hours

Medical



- High brightness 1000~1400cd/m²
- Color gamut (NTSC 92%)
- High color gamut 90~120%
- Low color shift ($\Delta \leq 0.05$)
- High resolution: 12M
- Narrow Border
- Color depth (Real 10bits)
- High black uniformity 70~75 %
- Viewing angle CR (CR >100:1)
- High gray scale uniformity 80~85%

Smart Home



- Narrow Border
- Free Form
- Seamless (0"gap)

Two-Wheeled



- Dampproof
- Resist ultraviolet
- Longe life >50000hours
- Anti-vibration Normal 10~50Hz X/Y/Z 2Hrs Total 6Hrs Acceleration 10G
- Anti-vibration 15~500Hz X/Y/Z 60Hrs Acceleration 10G

INDUSTRIAL PRODUCTS

A SERIES

SFT High Brightness In-cell On-cell Freeform Round Anti Vibration Wide Temperature

Home Healthcare	
2.4"	QVGA(240*320)
2.4"	QVGA(240*320)
2.8"	QVGA(240*320)
2.8"	QVGA(240*320)
3"	VGA+(720*480)
3"	VGA+(720*480)
3.5"	QVGA(320*480)
4.3"	WQVGA(480*272)

MFP	
2.4"	QVGA(240*320)
2.7"	QVGA(240*320)
2.8"	QVGA(240*320)
4.3"	WQVGA(480*272)
7"	WVGA(800*480)
7"	WSVGA(1024*600)
10.1"	WSVGA(1024*600)

Industrial Mobile	
2.4"	QVGA(240*320)
2.8"	QVGA(240*320)
3.5"	QVGA(320*240)
4.3"	WQVGA(480*272)
4.66"	HD(720*1280)
5"	HD(1280*720)
5"	FHD(1920*1080) LTPS
5.99 "	FHD(1080*2160) LTPS

White Goods	
2.4"	QVGA(240*320)
3.5"	QVGA(320*240)
3.7"	8:1(720*92)
4.3"	WQVGA(480*272)
5"	HD(1280*720)
7"	WVGA(800*480)
7"	WSVGA(1024*600)
7.8"	1:3(400*1280)
10.1"	WXGA(1280*800)
12.1"	WXGA(1280*800)

VOIP	
2.4"	QVGA(240*320)
2.8"	QVGA(240*320)
3.5"	QVGA(320*240)
4.3"	WQVGA(480*272)
4.3"	WVGA(800*480)
5"	WVGA(800*480)
7"	WVGA(800*480)
7"	WSVGA(1024*600)
10.1"	WXGA(1280*800)
2 "	320*280

Financial POS	
2.4"	QVGA(240*320)
2.8"	QVGA(240*320)
3.5"	QVGA(320*240)
4.3"	WQVGA(480*272)
5"	HD(1280*720)
5.5"	HD(1280*720)
6"	HD+(720*1440)
6.5"	HD+(720*1612)
7"	WVGA(800*480)

AloT		
2.4"	QVGA(240*320)	5" WVGA(800*480)
3.5"	QVGA(320*240)	5" HD(1280*720)
4.3"	WQVGA(480*272)	7" WVGA(800*480)
		10.1" WUXGA(1200*1920)

Two-Wheeled Vehicles		
2.4"	QVGA(240*320)	4.17" 720*720
2.8"	QVGA(240*320)	4.2" WQVGA(480*272)
3.4"	800*800	5" WVGA(800*480)
3.5"	HVGA(320*480)	6.2" WSVGA(1024*600)
		7" WVGA(800*480)
		7" WSVGA(1024*600)
		7" WXGA(1280*768)
		8" WXGA(1280*720)

P SERIES

Commercial Terminal		
7"	WVGA(800*480)	10.1" WXGA(1280*800)
8"	XGA(1024*768)	10.4" SVGA(800*600)
8.4"	XGA(1024*768)	11.6" FHD(1920*1080)
		12.1" XGA(1024*768)
		15" XGA(1024*768)
		15.6" FHD(1920*1080)

TO CREATE COLORFUL LIFE

SFT High Brightness Wide Temperature Narrow Border High Color Gamut

HMI			
3.5"	QVGA(320*240)	8"	SVGA(800*600)
4.3"	WQVGA(480*272)	8"	XGA(1024*768)
5.7"	VGA(640*480)	8.4"	SVGA(800*600)
6.5"	VGA(640*480)	8.4"	XGA(1024*768)
7"	WVGA(800*480)	10.1"	WSVGA(1024*600)
7"	WSVGA(1024*600)	10.1"	WXGA(1280*800)
7"	WXGA(1280*800)	10.4"	SVGA(800*600)
		10.4"	WXGA(1280*800)
		12.1"	SVGA(800*600)
		12.1"	XGA(1024*768)
		12.1"	WXGA(1280*800)
		15"	XGA(1024*768)
		15.6"	FHD(1920*1080)
		18.5"	FHD(1920*1080)

Medical	
4.3"	WQVGA(480*272)
7"	WVGA(800*480)
8.4"	SVGA(800*600)
10.1"	WXGA(1280*800)
10.4"	SVGA(800*600)
12.1"	SVGA(800*600)
12.1"	XGA(1024*768)
12.1"	WXGA(1280*800)
13.3"	FHD(1920*1080)
15"	XGA(1024*768)
15.6"	FHD(1920*1080)
21.5"	FHD(1920*1080)
23.8"	FHD(1920*1080)

Marine	
4.3"	WQVGA(480*272)
5"	WVGA(800*480)
7"	WVGA(800*480)
9"	WSVGA(1024*600)
10.1"	WXGA(1280*800)
11.6"	FHD(1920*1080)
12.1"	WXGA(1280*800)
15.6"	FHD(1920*1080)
19"	SXGA(1280*1024)
18.5"	4k2k(3840*2160)
21.5"	4k2k(3840*2160)
23.8"	4k2k(3840*2160)
27"	4k2k(3840*2160)

Playtables	
21.5"	FHD(1920*1080)
23.8"	FHD(1920*1080)
27"	FHD(1920*1080)
23.8"	4K2K(3840*2160)

Transportation	
6.5"	VGA(640*480)
8"	XGA(1024*768)
8.4"	XGA(1024*768)
10.1"	WXGA(1280*800)
10.4"	XGA(1024*768)
10.4"	WXGA(1280*800)
15"	XGA(1024*768)

Industrial Vehicles			
3.5"	QVGA(320*240)	8"	WVGA(800*480)
5.7"	VGA(640*480)	9"	WSVGA(1024*600)
6.5"	VGA(640*480)	10.1"	WXGA(1280*800)
7"	WVGA(800*480)	10.4"	XGA(1024*768)
		10.4"	SVGA(800*600)
		12.1"	XGA(1024*768)
		12.1"	WXGA(1280*800)
		15.6"	FHD(1920*1080)

Medical			
15.6"	FHD(1920*1080)	21.3"	QXGA(1536*2048) real 10bits
18.5"	FHD(1920*1080)	21.3"	QSXGA(2560*2048) real 10bits
21.3"	UXGA(1200*1600)	30"	QSXGA+(3280*2048) real 10bits

Aviation	
11.6"	FHD(1920*1080)
13.3"	FHD(1920*1080)
13.3"	4k2k(3840*2160)

Playtables			
10.1"	WUXGA(1920*1200)	13.3"	4K2K(3840*2160)
12"	WQXGA(2880*1920)	15.6"	4K2K(3840*2160)

A SERIES

 SFT  In-cell  On-cell

Size	2.2"	2.4"	2.4"	2.4"
Display Mode	Transflective	TN	SFT	SFT+In-cell
Part Number	A0220QVT1	A0240QVN1	A0240QVF2	A0240QVF3
Resolution (pixel)	240*320	240*320	240*320	240*320
Active Area (mm)	33.84*45.12	36.72*48.96	36.72*48.96	36.72*48.96
Contrast Ratio	120:1	500:1	800:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	50/40/45/45	70/60/70/70	80/80/80/80	80/80/80/80
NTSC	50%	50%	70%	70%
Interface	MCU/SPI/RGB	CPU 8 bits	CPU 8 bits	MIPI/CPU/SPI
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~85°C	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	w/o	w/o	In-cell
Category	AloT	AloT	AloT	AloT
Application	GPS/Industrial mobile	Home healthcare/POS	Home healthcare/POS/MFP	Home healthcare/POS/MFP



Size	2.83"	2.83"	3.0"	3.0"
Display Mode	TN	SFT+In-cell	Transflective	SFT+On-cell
Part Number	A0280QVN1	A0280QVF3	A0300QWT1	A0300NTF1
Resolution (pixel)	240*320	240*320	240*400	720*480
Active Area (mm)	43.20*57.60	43.20*57.60	38.88*64.80	62.42*41.62
Contrast Ratio	500:1	1000:1	80:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	70/60/70/70	80/80/80/80	35/35/30/30	85/85/85/85
NTSC	65%	70%	7%	70%
Interface	RGB	SPI/MIPI/MCU/RGB	CPU 16 bits	MIPI 2Lane
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~60°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~85°C	-30°C~80°C
Touch Type	w/o	In-cell	w/o	On-cell
Category	AloT	AloT	AloT	AloT
Application	F- POS/Home automation /Industrial mobile	Home healthcare/POS/MFP	GPS/Industrial mobile	DSC/Medical/IM



 SFT  In-cell

Size	3.5"	3.5"	3.5"	3.5"
Display Mode	SFT	TN	SFT	SFT
Part Number	A0350VQF1	A0350VHN1	A0350VHF1	A0350VGF1
Resolution (pixel)	320*240	320*480	320*480	640*480
Active Area (mm)	70.08*52.56	48.96*73.44	48.96*73.44	70.08*52.56
Contrast Ratio	800:1	500:1	1200:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	80/80/80/80	70/60/70/70	80/80/80/80	88/88/88/88
NTSC	60%	60%	70%	60%
Interface	RGB 24bits	RGB	MIPI/CPU/SPI+RGB	RGB/LVDS
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	w/o	w/o	w/o
Category	AloT	AloT	AloT	AloT
Application	POS/MFP/HMI	F- POS/Medical small/HMI	F- POS/Medical small/HMI	Home automation



Size	3.97"	4.3"	4.3"	4.3"	4.66"
Display Mode	SFT	TN	SFT	SFT	SFT+In-cell
Part Number	A0397VWF2	A0430WQN1	A0430WQF1	A0430VWF1	A0466XWF2
Resolution (pixel)	480*800	480*272	480*272	480*800	720*1280
Active Area (mm)	51.84*86.40	95.04*53.86	95.04*53.86	56.16*93.60	58.10*103.30
Contrast Ratio	800:1	900:1	800:1	800:1	800:1
Viewing Angle (U/D/L/R) (Typ.)	80/80/80/80	80/60/80/80	80/80/80/80	85/85/85/85	85/85/85/85
NTSC	67%	50%	50%	65%	70%
Interface	MIPI/RGB	RGB 24 bits	RGB 24 bits	MIPI/SPI+RGB	MIPI
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	w/o	w/o	w/o	In-cell
Category	AloT	AloT	AloT	AloT	AloT
Application	Industrial mobile	MFP/ HMI	VOIP/MFP/ HMI	Medical small /Industrial mobile	Home automation /Industrial mobile



INDUSTRIAL PRODUCTS

A SERIES

 SFT  In-cell

Size	5.0"	5.0"	5.0"
Display Mode	SFT	SFT	SFT
Part Number	A0500WVF4	A0500WVF5	A0500XWF2
Resolution (pixel)	800*480	800*480	720*1280
Active Area (mm)	108.00*64.80	108.00*64.80	62.10*110.40
Contrast Ratio	1000:1	600:1	800:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	80/80/80/80	85/85/85/85
NTSC	70%	50%	70%
Interface	RGB 24bits	MIPI	MIPI
Operating Temperature	-30°C~85°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-40°C~90°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	w/o	w/o
Category	AloT	AloT	AloT
Application	2W/Industrial	VOIP/MFP/Scanner	HMI/IM
			

Size	5.0"	5.5"	7.0"
Display Mode	SFT+In-cell	SFT	TN
Part Number	A0500XWF1	A0550XWF1	A0700WVN1
Resolution (pixel)	720*1280	720*1280	800*480
Active Area (mm)	62.10*110.40	68.04*120.96	154.08*85.92
Contrast Ratio	800:1	1000:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	80/80/80/80	85/85/85/85	60/80/80/80
NTSC	70%	70%	50%
Interface	MIPI	MIPI	RGB
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	In-cell	w/o	w/o
Category	Industrial	Industrial	Industrial
Application	IM/VOIP	IM/Financial POS/Medical	HMI/MFP/Printer/Scanner/POS/ATM/KIOSK/POS/ATM
	 		

TO CREATE COLORFUL LIFE

 SFT  In-cell

Size	7.0"	7.0"	7.0"	7.0"
Display Mode	SFT	SFT+In-cell	SFT	SFT+In-cell
Part Number	A0700WVF1	A0700WVF3	A0700WSF2	A0700WSF3
Resolution (pixel)	800*480	800*480	1024*600	1024*600
Active Area (mm)	152.40*91.44	152.40*91.44	153.60*90.00	153.60*90.00
Contrast Ratio	1000:1	1000:1	900:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	85/85/85/85	88/88/88/88	88/88/88/88
NTSC	70%	70%	50%	50%
Interface	LVDS	LVDS	MIPI/RGB/LVDS	MIPI/RGB/LVDS
Operating Temperature	-30°C~85°C	-30°C~85°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-40°C~90°C	-40°C~90°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	In-cell	w/o	w/o
Category	Industrial	Industrial	AloT	AloT
Application	2W/HMI/MFP/Printer/Scanner /POS/ATM/KIOSK	2W/HMI/MFP/Printer/Scanner /POS/ATM/KIOSK	White goods/HMI /Home automation	White goods/HMI /Home automation
		 		 

Size	7.0"	7.0"	8.0"	8.0"
Display Mode	SFT	SFT	SFT	SFT
Part Number	A0700WXF2	A0700XWF1	A0800WXF1	A0800WXF2
Resolution (pixel)	1280*768	800*1280	1280*720	1280*720
Active Area (mm)	152.45*91.47	94.20*150.72	176.64*99.36	176.64*99.36
Contrast Ratio	1000:1	100:1	1300:1	1200:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	70%	50%	73%	75%
Interface	LVDS	MIPI	LVDS	LVDS
Operating Temperature	-30°C~85°C	-20°C~70°C	-30°C~85°C	-30°C~85°C
Storage Temperature	-40°C~90°C	-30°C~80°C	-40°C~90°C	-40°C~90°C
Touch Type	w/o	w/o	w/o	w/o
Category	Industrial	Industrial	Industrial	Industrial
Application	White goods/HMI /Home automation	White goods/HMI /Home automation	2W/Rugged PC	2W/Rugged PC
				

A SERIES

Size	8.0"	10.1"	10.1"
Display Mode	SFT	TN	SFT
Part Number	A0800UWF1	A1010WSN1	A1010WSF1
Resolution (pixel)	1200*1920	1024*600	1024*600
Active Area (mm)	107.64*172.24	222.72*125.28	222.72 *125.28
Contrast Ratio	1000:1	800:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	75/80/80/80	75/80/80/80
NTSC	70%	47%	50%
Interface	MIPI	RGB 24bit	LVDS/RGB
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	w/o	w/o
Category	Industrial	Industrial	Industrial
Application	HMI/Rugged PC /Industrial mobile	VOIP/Medical medium/POS	VOIP/MFP/Medical

Size	10.1"	10.1"	10.25"
Display Mode	SFT	SFT	SFT
Part Number	A1010WUF1	A1010UWF2	A1025FHF1
Resolution (pixel)	1920*1200	1920*1200	1920* 720
Active Area (mm)	216.81*135.50	216.81*135.50	243.65*91.37
Contrast Ratio	1000:1	1000:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	80/80/80/80	80/80/80/80	80/80/80/80
NTSC	70%	70%	75%
Interface	LVDS/MIPI	MIPI	LVDS
Operating Temperature	-20°C~70°C	-20°C~70°C	-30°C~85°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-40°C~90°C
Touch Type	w/o	w/o	w/o
Category	AIoT	AIoT	Industrial
Application	HMI/Rugged PC	White goods/Rugged PC	Automotive/HMI/Rugged PC

A SERIES

Size	12.3"	12.8"	15.6"
Display Mode	SFT	SFT	SFT
Part Number	A1230FHF1	A1280FHF1	A1560FHF2
Resolution (pixel)	1920*720	1920*1080	1920*1080
Active Area (mm)	292.32*109.62	283.39*159.41	344.16*193.59
Contrast Ratio	1100:1	1400:1	2000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	75%	74%	72%
Interface	LVDS	LVDS	LVDS
Operating Temperature	-30°C~80°C	-30°C~85°C	-10°C~60°C
Storage Temperature	-40°C~95°C	-40°C~95°C	-20°C~70°C
Touch Type	w/o	w/o	w/o
Category	Industrial	Industrial	Industrial
Application	Automotive/HMI/Rugged PC	Automotive/HMI/Rugged PC	Automotive/HMI/Rugged PC

Free Form

Size	1.4"	1.57"	2"
Display Mode	SFT	SFT	SFT
Part Number	A0140BFF1	A0157FGF1	A0200RGF1
Resolution (pixel)	240*240	240*288	320*280
Active Area (mm)	25.20*25.20	25.56*30.68	51.60*45.15
Contrast Ratio	1000:1	900:1	800:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	85/85/85/85	80/80/80/80
NTSC	71%	53%	70%
Interface	4-w SPI/MIPI	SPI/RGB	MIPI
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	w/o	w/o
Category	AIoT	AIoT	AIoT
Application	DSC	Wearable	White goods/Home automation/MFP

Free Form

Size	2.39"	2.48"	2.49"
Display Mode	SFT	TN	SFT
Part Number	A0239FJF1	A0248RGN1	A0249GEF1
Resolution (pixel)	260*640	320*320	320*160
Active Area (mm)	22.82*56.16	44.64*44.64	56.64*28.32
Contrast Ratio	1000:1	800:1	800:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	70/60/70/70	80/80/80/80
NTSC	65%	50%	70%
Interface	MIPI	MIPI	MIPI
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	On-cell	w/o	w/o
Category	AloT	AloT	AloT
Application	White goods/Home automation	White goods/Home automation	White goods/HMI

Size	3.45"	3.71"	3.73"
Display Mode	SFT	SFT	SFT
Part Number	A0345RKf1	A0371FLF1	A0373KDF1
Resolution (pixel)	800*800	240*960	720*92
Active Area (mm)	87.60*87.60	91.44*22.86	93.96*12.01
Contrast Ratio	800:1	1000:1	800:1
Viewing Angle (U/D/L/R) (Typ.)	80/80/80/80	85/85/85/85	80/80/80/80
NTSC	70%	50%	70%
Interface	MIPI	MIPI	MIPI
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C
Touch Type	w/o	w/o	w/o
Category	AloT	Medical	Industrial
Application	White goods/Home automation	Medical/Home automation	White goods/Home automation

Free Form

Size	4.12"	4.17"	6.8"	7.84"
Display Mode	SFT	SFT	SFT+In-cell	SFT
Part Number	A0412BKf1	A0417RKf1	A0680NHf1	A0784HNf1
Resolution (pixel)	720*720	720*720	1280*530	400*1280
Active Area (mm)	73.98*73.98	105.84*105.84	159.36*65.99	190.08*59.40
Contrast Ratio	1000:1	1000:1	1000:1	900:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	85/85/85/85	85/85/85/85	80/80/80/80
NTSC	70%	70%	70%	70%
Interface	MIPI	LVDS/RGB	LVDS	MIPI
Operating Temperature	-20°C~70°C	-30°C~85°C	-30°C~85°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-40°C~90°C	-40°C~90°C	-30°C~80°C
Touch Type	In-cell	w/o	In-cell	w/o
Category	AloT	Industrial	Industrial	Industrial
Application	White goods/Home automation	2W/Automotive/Marine	2W/Automotive	White goods/Medical

LTPS

Size	5.0"	5.96"	5.99"	7.0"
Display Mode	LTPS SFT	LTPS SFT	LTPS SFT+In-cell	LTPS SFT+In-cell
Part Number	A0500HFL1	A0596DFL1	A0599DFL1	A0700HFL1
Resolution (pixel)	1080*1920	1080*2160	1080*2160	1080*1920
Active Area (mm)	61.88*110.02	67.72*135.43	68.04*136.08	86.83*154.37
Contrast Ratio	1000:1	1000:1	800:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	85/85/85/85	80/80/80/80	85/85/85/85
NTSC	65%	68%	68%	72%
Interface	MIPI	MIPI	MIPI	MIPI
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~60°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~70°C	-30°C~80°C
Touch Type	w/o	w/o	In-cell	In-cell
Category	Industrial	Industrial	Industrial	Industrial
Application	White goods/Home automation /VOIP	White goods/Home automation /VOIP	White goods/Home automation /Industrial Mobile	White goods/Home automation /VOIP

INDUSTRIAL PRODUCTS

TO CREATE COLORFUL LIFE

C SERIES

 High Color Gamut  SFT  High Contrast

Size	15.6"	15.6"	21.5"	21.5"
Display Mode	SFT	SFT	SFT	SFT
Part Number	C1560FHF1ME00	C1560FHF1ME01	C2150FHF1ME01	C2150FHF1ME01
Resolution (pixel)	1920*1080	1920*1080	1920*1080	1920*1080
Active Area (mm)	344.16*193.59	344.16*193.59	476.06*267.79	476.06*267.79
LCM Luminance (Typ)	350 nits	350 nits	350 nits	500 nits
Contrast Ratio	1500:1	1500:1	1500:1	1500:1
Viewing Angle (U/D/L/R) (Typ.)	89/89/89/89	89/89/89/89	89/89/89/89	89/89/89/89
NTSC	45%	45%	72%	72%
Interface	eDP	eDP	LVDS	LVDS
Operating Temperature	0°C~50°C	0°C~50°C	0°C~60°C	-20°C~70°C
Storage Temperature	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~70°C
Module Size (WxHxD) (mm) (D: max)	350.66X214.75 X3.20	350.66 X205.24X5.20	495.60X292.20X12.85	495.60X292.20X12.85
LED Lifetime (kh)	30000	30000	30000	50000
LED Driver	Without	Without	Without	Without
Category	Commercial	Commercial	Commercial	Commercial
Application	Retail/All-in-one terminals  	Retail/All-in-one terminals  	Retail/All-in-one terminals   	Retail/All-in-one terminals   

Size	21.5"	23.8"	23.8"	27"	50"
Display Mode	SFT	SFT	SFT	SFT	SFT
Part Number	C2150FHF1ME10	C2380FHF1ME01	C2380FHF1MB01	C2700FHF1ME00	C5000UHF1PA00
Resolution (pixel)	1920*1080	1920*1080	1920*1080	1920*1080	3840*2160
Active Area (mm)	476.06*267.79	527.04*296.46	527.04*296.46	597.89*336.31	597.89*336.31
LCM Luminance (Typ)	350 nits	350 nits	500 nits	350 nits	/
Contrast Ratio	1500:1	1500:1	1500:1	1500:1	1200:1
Viewing Angle (U/D/L/R) (Typ.)	89/89/89/89	89/89/89/89	89/89/89/89	89/89/89/89	89/89/89/89
NTSC	NTSC 72%	NTSC 72%	NTSC 72%	NTSC 72%	NTSC 72%
Interface	LVDS	LVDS	LVDS	LVDS	VBO
Operating Temperature	0°C~60°C	0°C~50°C	0°C~50°C	0°C~50°C	0°C~50°C
Storage Temperature	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C	-20°C~60°C
Module Size (WxHxD) (mm) (D: max)	484.46X281.01X11.35	535.00X313.00X14.10	535.00X313.00X14.10	607.20X354.90X13.96	1105.84X629.41X1.60
LED Lifetime (kh)	30000	30000	50000	30000	/
LED Driver	Without	Without	Without	Without	Without
Category	Commercial	Commercial	Commercial	Commercial	Commercial
Application	Retail/All-in-one terminals   	Retail/All-in-one terminals   	Retail/All-in-one terminals   	Retail/All-in-one terminals  	Digital signage   

P SERIES

Size	3.5"	4.3"	6.5"
Display Mode	SFT	SFT	SFT
Part Number	P0350HVF1ME00	P0430WQF1ME00	P0650VGF1MA00
Resolution (pixel)	320*240	480*272	640*480
Active Area (mm)	70.08*52.56	95.04*53.86	132.48*99.36
LCM Luminance (Typ)	350	400	1200
Contrast Ratio	800:1	800:1	900:1
Viewing Angle (U/D/L/R) (Typ.)	80/80/80/80	80/80/80/80	88/88/88/88
NTSC	60%	50%	70%
Interface	RGB 24 bits	RGB 24 bits	LVDS 6/8 bits
Operating Temperature	-20°C~70°C	-20°C~70°C	-30°C~80°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-40°C~90°C
Module Size (WxHxD) (mm) (D: max)	76.90X63.90X3.15	105.50X67.20X2.90	154.00X121.00X11.00
LED Lifetime (kh)	30000	30000	100000
LED Driver	Without	Without	Without
Category	AloT	AloT	Industrial
Application	POS/MFP/HMI	VOIP/MFP/ HMI	HMI/Construction/Transportation

Size	6.5"	7.0"	7.0"	7.0"
Display Mode	SFT	TN	TN	TN
Part Number	P0650VGF1MA10	P0700WVN1ME01	P0700WVN1MB01	P0700WVN1MA00
Resolution (pixel)	640*480	800*480	800*480	800*480
Active Area (mm)	132.48*99.36	154.08*85.92	154.08*85.92	154.08*85.92
LCM Luminance (Typ)	800	300	450	1000
Contrast Ratio	900:1	800:1	800:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	60/80/80/80	60/80/80/80	60/80/80/80
NTSC	70%	50%	50%	50%
Interface	LVDS 6 bits	RGB 24 bits	RGB 24 bits	RGB 24 bits
Operating Temperature	-30°C~80°C	-20°C~70°C	-20°C~70°C	-30°C~85°C
Storage Temperature	-40°C~90°C	-30°C~80°C	-30°C~80°C	-40°C~90°C
Module Size (WxHxD) (mm) (D: max)	153.00X118.00X10.90	164.20X99.20X5.54	164.90X100.00X5.70	164.90X100.00X5.70
LED Lifetime (kh)	70000	30000	45000	50000
LED Driver	With	Without	Without	Without
Category	Industrial	Industrial	Industrial	Industrial
Application	HMI/Construction /Transportation	HMI/Home automation /White goods	HMI/Home automation /White goods	2w/Industrial vehicle/outdoors

P SERIES

 Wide Temperature  SFT

Size	7.0"	7.0"	7.0"	7.0"	7.0"
Display Mode	SFT	SFT	SFT	SFT+In-cell	SFT
Part Number	P0700WVF1MA00	P0700WVF1MA10	P0700WSF2MB00	P0700WSF3QB00	P0700WXF1ME00
Resolution (pixel)	800*480	800*480	1024*600	1024*600	1280*800
Active Area (mm)	152.40*91.44	152.40*91.44	153.60*90.00	153.60*90.00	149.76*93.60
LCM Luminance (Typ)	1500	1000	500	500	400
Contrast Ratio	1000:1	1000:1	1000:1	1000:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	70%	70%	50%	50%	50%
Interface	LVDS 6/8 bits	LVDS 6/8 bits	LVDS	LVDS	LVDS
Operating Temperature	-30°C~80°C	-30°C~80°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-40°C~90°C	-40°C~90°C	-30°C~80°C	-30°C~80°C	-30°C~80°C
Module Size (WxHxD) (mm) (D: max)	169.80X109.70X10.87 (Max)	169.80X109.70X8.90 (Max)	164.50X104.20X3.50	160.70X100.00X2.50	161.00X107.00X3.35
LED Lifetime (kh)	100000	70000	30000	50000	30000
LED Driver	Without	With	With	With	With
Category	Industrial	Industrial	Industrial	Industrial	Industrial
Application	HMI/Construction /Transportation	HMI/Construction /Transportation	HMI/Construction /Smart home 	HMI/Construction /Smart home	HMI/Construction /Transportation

Size	8.0"	8.4"	8.4"	8.4"	10.1"
Display Mode	SFT	TN	TN	SFT	SFT
Part Number	P0800XGF1ME00	P0840SVN1MB00	P0840SVN1ME00	P0840XGF1MA00	P1010WSF1MB00
Resolution (pixel)	1024*768	800*600	800*600	1024*768	1024*600
Active Area (mm)	162.05*121.54	170.40*127.80	170.40*127.80	170.50*127.87	222.72*125.28
LCM Luminance (Typ)	450	350	350	1000	400
Contrast Ratio	1800:1	500:1	500:1	1000:1	800:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	60/70/70/70	60/70/70/70	88/88/88/88	75/80/80/80
NTSC	50%	50%	50%	70%	50%
Interface	LVDS	LVDS 6/8 bits	RGB 24bits	LVDS 6/8 bits	LVDS 6/8 bits
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	--30°C~80°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C	-40°C~90°C	-30°C~80°C
Module Size (WxHxD) (mm) (D: max)	183.43X138.35X3.75	203.00X142.50X5.70	189.75X149.40X4.80	199.50X149.00X4.80	235.00X143.00X4.90
LED Lifetime (kh)	30000	50000	30000	100000	30000
LED Driver	Without	With	Without	Without	Without
Category	Industrial	Industrial	Industrial	Industrial	Industrial
Application	Home automation /HMI/Elevator	HMI/Medical medium	HMI/POS/ATM/KIOSK 	HMI/Construction /Transportation	HMI/Medical medium

P SERIES

Size	10.1"	10.4"	10.4"	10.4"	10.4"
Display Mode	SFT	SFT	SFT	TN	SFT
Part Number	P1010WXF1ME20	P1040VGF1MA00	P1040VGF1MB00	P1040SVN1ME10	P1040SVF1MB00
Resolution (pixel)	1280*800	640*480	640*480	800*600	800*600
Active Area (mm)	216.96*135.60	211.20*158.40	211.20*158.40	211.20*158.40	211.20*158.40
LCM Luminance (Typ)	400	900	450	350	350
Contrast Ratio	800:1	1000:1	1000:1	500:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	85/85/85/85	88/88/88/88	88/88/88/88	60/70/70/70	88/88/88/88
NTSC	50%	50%	50%	50%	50%
Interface	LVDS 8 bits	RGB 24 bits	RGB 24 bits	RGB 24 bits	LVDS 6 bits
Operating Temperature	-10°C~50°C	-30°C~80°C	-30°C~80°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-20°C~60°C	-40°C~80°C	-40°C~80°C	-30°C~80°C	-30°C~80°C
Module Size (WxHxD) (mm) (D: max)	229.46X149.10X2.50	243.00X185.10X10.50	243.00X185.10X10.50	228.40X175.40X6.20	236.00X176.90X6.10
LED Lifetime (kh)	30000	70000	70000	30000	50000
LED Driver	Without	With	With	With	With
Category	Industrial	Industrial	Industrial	Industrial	Industrial
Application	HMI/Medical medium /Elevator	HMI/Medical medium  	HMI/Medical medium  	HMI/ POS	HMI/Medical medium

Size	10.4"	10.4"	10.4"	10.4"
Display Mode	SFT	SFT	SFT	SFT
Part Number	P1040SVF1MB10	P1040SVF1ME00	P1040XGF1MB01	P1040XGF1MA00
Resolution (pixel)	800*600	800*600	1024*768	1024*768
Active Area (mm)	211.20*158.40	211.20*158.40	210.43*157.82	210.43*157.82
LCM Luminance (Typ)	500	400	500	1300
Contrast Ratio	1000:1	1000:1	1200:1	1000
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	50%	50%	50%	50%
Interface	LVDS 6 bits	LVDS 6 bits	LVDS 6 bits	LVDS 6/8 bits
Operating Temperature	-30°C~80°C	-20°C~70°C	-20°C~70°C	-30°C~80°C
Storage Temperature	-30°C~85°C	-30°C~80°C	-30°C~80°C	-40°C~85°C
Module Size (WxHxD) (mm) (D: max)	243.00X185.10X10.50	236.00X176.90X5.60	230.00X175.80X5.70	230.00X180.20X9.50
LED Lifetime (kh)	50000	50000	50000	100000
LED Driver	With	Without	With	Without
Category	Industrial	Industrial	Industrial	Industrial
Application	HMI/Medical medium 	HMI/Medical medium	HMI/POS/Medical medium	HMI/Construction/Transportation

INDUSTRIAL PRODUCTS

P SERIES

 Wide Temperature  High Color Gamut  SFT  High Contrast  High Brightness

Size	11.6"	12.1"	12.1"	12.1"
Display Mode	SFT	SFT	SFT	SFT
Part Number	P1160FHF1MA00	P1210SVF1ME00	P1210XGF1MA00	P1210WXF1MB10
Resolution (pixel)	1024*768	800*600	1024*768	1280*800
Active Area (mm)	256.32*144.18	246.00*184.50	245.76*184.32	261.10*163.20
LCM Luminance (Typ)	1600	350	1300	450
Contrast Ratio	900:1	700:1	1000:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	70%	72%	72%	72%
Interface	LVDS 8 bits	LVDS 6/8 bits	LVDS 6/8 bits	LVDS 6/8 bits
Operating Temperature	-20°C~80°C	-20°C~70°C	-30°C~80°C	-30°C~80°C
Storage Temperature	-30°C~85°C	-30°C~80°C	-40°C~90°C	-30°C~80°C
Module Size (WxHxD) (mm) (D: max)	273.50X166.50X7.80	279.00X209.00X9.00	260.50X203.00X9.50	278.00X184.00X9.90
LED Lifetime (kh)	50000	30000	100000	50000
LED Driver	With	With	Without	With
Category	Industrial	Industrial	Industrial	Industrial
Application	HMI/Marine	POS/HMI/Medical 	Construction/HMI	Medical/HMI

Size	12.1"	13.3"	13.3"	13.3"
Display Mode	SFT	SFT	SFT	SFT
Part Number	P1210WXF2MA00	P1330FHF1MA00	P1330FHF2MB00	P1330FHF2MB01
Resolution (pixel)	1280*800	1920*1080	1920*1080	1920*1080
Active Area (mm)	261.12*163.20	293.76*165.24	293.76*165.24	293.76* 165.24
LCM Luminance (Typ)	1600	1000	350	500
Contrast Ratio	800: 1	1000:1	1500:1	1500:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	85/85/85/85	88/88/88/88	88/88/88/88
NTSC	72%	72%	72%	72%
Interface	LVDS 6/8 bits	LVDS	edp	edp
Operating Temperature	-30°C~80°C	-20°C~70°C	0°C~60°C	-20°C~70°C
Storage Temperature	-40°C~90°C	-30°C~80°C	0°C~60°C	-30°C~80°C
Module Size (WxHxD) (mm) (D: max)	277.70X180.60X8.70	305.35X178.56X3.70	300.26X187.75X2.40	309.70X184.10X9.60
LED Lifetime (kh)	50000	50000	30000	50000
LED Driver	Without	Without	With	With
Category	Industrial	Industrial	Industrial	Industrial
Application	Medical/ HMI/POS/Marine /Construction	Marine/ HMI/Outdoor	Medical/ HMI 	Medical/ HMI 

TO CREATE COLORFUL LIFE

P SERIES

Size	14.0"	15.0"	15.0"	15.0"
Display Mode	SFT	SFT	SFT	SFT
Part Number	P1400FHF1MA00	P1500XGF2MB10	P1500XGF2MB01	P1500XGF2MB02
Resolution (pixel)	1920*1080	1024*768	1024*768	1024*768
Active Area (mm)	309.31*173.99	304.12*228.09	304.12*228.09	304.12*228.09
LCM Luminance (Typ)	800	500	400	500
Contrast Ratio	2000:1	1000:1	1000:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	75%	60%	60%	60%
Interface	LVDS	LVDS 1 port	LVDS 1 port	LVDS 1 port
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C	-30°C~80°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C	-30°C~85°C
Module Size (WxHxD) (mm) (D: max)	325.40X214.00X4.00	326.50X253.50X9.00	326.50X253.50X11.80	326.50x253.50x11.80
LED Lifetime (kh)	50000	50000	50000	100000
LED Driver	Without	With	With	With
Category	Industrial	Industrial	Industrial	Industrial
Application	R-PC/POS/Transportation 	POS/HMI	POS/HMI     	POS/HMI   

Size	15.0"	15.0"	15.6"	15.6"
Display Mode	SFT	SFT	SFT	SFT
Part Number	P1500XGF2MA01	P1500XGF3MA00	P1560FHF3MB02	P1560FHF3MB03
Resolution (pixel)	1024*768	1024*768	1920*1080	1920*1080
Active Area (mm)	304.12*228.09	304.12*228.09	344.16*193.59	344.16*193.59
LCM Luminance (Typ)	1000	1500	500	500
Contrast Ratio	1000:1	1000:1	1000:1	1000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	60%	72%	72%	72%
Interface	LVDS 1 port	LVDS 1 port	LVDS 8 bits	LVDS 8 bits
Operating Temperature	-30°C~80°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~85°C	-30°C~80°C	-30°C~80°C	-30°C~80°C
Module Size (WxHxD) (mm) (D: max)	326.50X253.50X90	326.50X253.50X13.00	351.84X208.38X6.00	363.80X215.90X9.20
LED Lifetime (kh)	100000	50000	50000	50000
LED Driver	Without	With	With	With
Category	Industrial	Industrial	Industrial	Industrial
Application	POS/HMI 	POS/HMI	POS/HMI	POS/HMI

P SERIES

 High Color Gamut  SFT  High Contrast  High Brightness

Size	15.6"	17.3"	17.3"
Display Mode	SFT	SFT	SFT
Part Number	P1560FHF1MA00	P1730FHF1MB00	P1730FHF1MA10
Resolution (pixel)	1920*1080	1920*1080	1920*1080
Active Area (mm)	344.16*193.59	381.89*214.81	381.89*214.81
LCM Luminance (Typ)	1000	500	1200
Contrast Ratio	1500:1	1700:1	1700:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	72%	75%	75%
Interface	LVDS 8bits	LVDS 1 port	eDP 1.2
Operating Temperature	-30°C~80°C	-20°C~70°C	-30°C~80°C
Storage Temperature	-30°C~85°C	-30°C~80°C	-30°C~85°C
Module Size (WxHxD) (mm) (D: max)	363.80X215.90X9.10	388.88X225.81X4.00	397.10X234.00X11.40
LED Lifetime (kh)	50000	30000	50000
LED Driver	With	With	Without
Category	Industrial	Industrial	Industrial
Application	HMI	Medical/ HMI	R-PC/Transportation/HMI

Size	18.5"	18.5"	21.3"
Display Mode	SFT	SFT	SFT
Part Number	P1850FHF2MB00	P1850FHF1MB02	P2130UXF1MA10
Resolution (pixel)	1920*1080	1920*1080	1200*1600
Active Area (mm)	408.96*230.04	408.96*230.04	324.86*433.15
LCM Luminance (Typ)	500	400	900
Contrast Ratio	1500:1	1000:1	2000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	89/89/89/89
NTSC	72%	72%	92%
Interface	LVDS 8bits	eDP 2lines 8 bits	LVDS 8 bits
Operating Temperature	-20°C~70°C	-20°C~70°C	0°C~60°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-20°C~60°C
Module Size (WxHxD) (mm) (D: max)	430.40X254.60X12.00	430.40X254.60X13.50	336.00X453.00XTBD
LED Lifetime (kh)	50000	50000	50000
LED Driver	With	With	Without
Category	Industrial	Industrial	Medical
Application	Outdoor/Medical/HMI	Marine/Outdoor/Medical	Medical    

P SERIES

Size	21.3"	21.3"	21.3"
Display Mode	SFT	SFT	SFT
Part Number	P2130QXF1MA00	P2130QSF1MA01	P2130QSF2MA01
Resolution (pixel)	1536*2048	2560 *2048	2560 *2048
Active Area (mm)	324.86*433.15	422.40*337.93	261.10*163.20
LCM Luminance (Typ)	900	2500	1100
Contrast Ratio	2000:1	2000:1	2000:1
Viewing Angle (U/D/L/R) (Typ.)	89/89/89/89	89/89/89/89	89/89/89/89
NTSC	92%	NA (mono)	72%
Interface	LVDS real 10 bits	LVDS real 10 bits	LVDS real 10 bits
Operating Temperature	0°C~60°C	0°C~60°C	0°C~60°C
Storage Temperature	-20°C~60°C	-20°C~60°C	-20°C~60°C
Module Size (WxHxD) (mm) (D: max)	336.00X453.00XTBD	354.90X442.30X20.90	354.90X442.30X20.90
LED Lifetime (kh)	50000	50000	50000
LED Driver	With	With	Without
Category	Medical	Medical	Medical
Application	Medical   	Medical   	Medical

Size	21.5"	23.8"	23.8"
Display Mode	SFT	SFT	SFT
Part Number	P2150FHF1MB00	P2380FHF1MB00	P2380UHF1MA00
Resolution (pixel)	1920*1080	1920*1080	3840*2160
Active Area (mm)	476.06 *267.79	527.04*296.46	527.04*296.46
LCM Luminance (Typ)	500	350	1200
Contrast Ratio	1500:1	1800:1	1200:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	88/88/88/88
NTSC	72%	72%	72%
Interface	LVDS	LVDS	eDP 1.2
Operating Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Storage Temperature	-30°C~80°C	-30°C~80°C	-30°C~80°C
Module Size (WxHxD) (mm) (D: max)	495.60X292.20X8.10	535.00X313.00X7.00	549.00X323.40X11.00
LED Lifetime (kh)	50	30	50000
LED Driver	With	Without	Without
Category	Industrial	Industrial	Industrial
Application	Medical/ HMI   	Medical/ HMI   	Marine/Outdoor/Medical/IFE

INDUSTRIAL PRODUCTS

TO CREATE COLORFUL LIFE

P SERIES

 SFT  High Contrast  High Brightness

Size	27"	27"	30.9"
Display Mode	LTPS	SFT	SFT
Part Number	P2700UHF2MA00	P2700FHF1MA00	P3090UHF1MA00
Resolution (pixel)	1920*1080	1920*1080	4200*2800
Active Area (mm)	596.16*335.34	596.16*335.34	652.68*435.12
LCM Luminance (Typ)	1000	1500	1400
Contrast Ratio	1800:1	1000:1	2000:1
Viewing Angle (U/D/L/R) (Typ.)	88/88/88/88	88/88/88/88	89/89/89/89
NTSC	111%	40%	72%
Interface	eDP 1.4	LVDS 8 bits	eDP 1.4 real 10 bits
Operating Temperature	0°C~50°C	-30°C~80°C	0°C~50°C
Storage Temperature	-20°C~60°C	-30°C~80°C	-20°C~60°C
Module Size (WxHxD) (mm) (D: max)	630.00X368.20X20.98	630.00X368.00X25.00	676.90X459.70X26.00
LED Lifetime (kh)	50000	50000	50000
LED Driver	With	With	With
Category	Industrial	Industrial	Medical
Application	Application	Gas/Oil POS/HMI/Outdoor	Medical



PCAP

Size	3.5"	4.3"	5"	5.7"	6.5"
Resolution	320*240	480*272 480*800	800*480 720*1280	320*240 640*480	640*480
State	Support	Support	Support	Support	Support

PCAP

Size	7"	8"	8.4"	10.1"
Resolution	800*480 1024*600 1280*800	800*600 1024*768	800*600 1024*768	1024*600 1280*800
State	Support	Support	Support	Support

Size	10.4"	11.6"	12.1"	13.3"
Resolution	640*480 800*600 1024*768 1280*800	1920*1080	1024*768 1280*800	1920*1080
State	Support	Developing	Support	Developing

Size	14"	15"	15.6"	17.3"
Resolution	1920*1080	1024*768	1366*768 1920*1080	1920*1080
State	Developing	Support	Support	Developing

Size	18.5"	19"	21.5"	23.8"	27"
Resolution	1920*1080	1280*1024	1920*1080	3840*2160 1920*1080	1920*1080
State	Support	Support	Support	Developing	Planning

Product lines not mentioned can be customized according to client requirements.