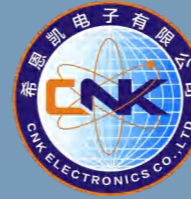




CNK ELECTRONICS



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LCD LCM TFT OLED HMI
Professional Display Solutions

WONDERFUL VISION
SMART LIFE



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1.1 Company profile

CNK Electronics (CNK in brief) is a high-tech enterprise that develops, manufactures and sells display modules and HMI solutions. CNK was formed in September of 2010 in Shenzhen, and expanded manufacturing plant in Wuping of Fujian province. Now Fujian CNK is the headquarter and Shenzhen branch is office of R&D and sales.

CNK is devoted to develop the best match of display technology and smart applications, and supply to customers best quality-price ratio display modules and solutions. CNK's products include monochrome LCD and LCM, 0.96-25 inch TFT & OLED LCM, HMI solutions. The products have been used in the fields of Electric Power, Medicals, Security, Communications, Automobiles, Banking, Smart Homes, Instruments, Meters, Consumer Electronics, Home Appliance, Wearables and so on. We have established long term partnership with customers like BMC Medical, Yuwell, Anker, K-STAR, Desay, Haier, TCL, etc.

Oriented in technology and high quality, CNK keeps sustainable development, works to offer customers better and stable services. We have established world-leading QC system, and has been audited by ISO9001, ISO14001, ISO45001, ISO14067-2018, GJB9001C, GB/T 23001-2017 (GB/T 23006-2022), IATF16949, etc.




WHO WE ARE

- New leader in display industry, platform enterprise.
- We manufacture small-mid size display modules, include monochrome LCD and LCM, 0.96-25 inch TFT & OLED LCM, HMI solutions.
- Based on display modules, we supply best quality-price ratio display products and solutions. In coming years, we will develop to offer OEM & ODM service of end products.




OUR MISSION

- Oriented on technology, high quality and efficiency, to be a everlasting developing enterprise.
- We will keep innovation-driven development, to be the creator and leader of new business modes, to make achievements that benefit all share holders, managing team and employees.



OUR FAITH

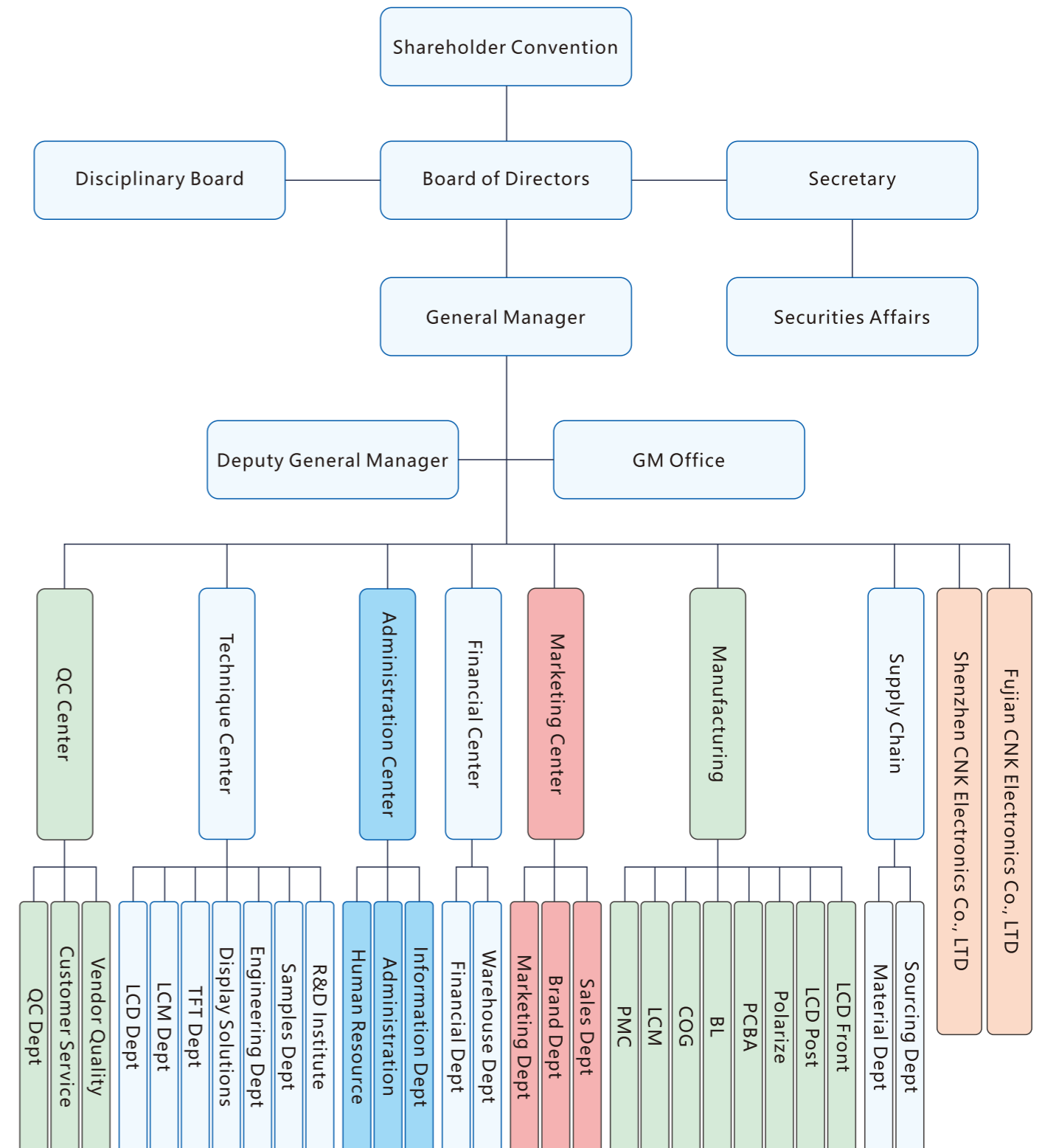
- Being hopeful - believe and come true.
- Being grateful - return to clients and society.
- Be fruitful - keep words and be rich together.



OUR VISION

- To make smart displays for smart life.
- To be pioneer of smart displays.
- To be home and trainer of talents.

1.2 Organizational structure



1.3 Development history

- 2010** * Shenzhen CNK was formed in Sep, 2010.
- 2013**
 - * ISO9001:2000 audit
 - * Set PCBA production line
 - * Set 4 LCM production line
- 2015**
 - * China High-tech Enterprise
 - * Set Huizhou factory
 - * Set backlight lines
- 2019**
 - * Fujian CNK was formed
 - * Set 10 LCM lines
 - * Set 6 TFT lines
 - * Set PCBA & backlight lines
- 2020**
 - * ISO9001 & 14001 audit
 - * China High-tech Enterprise
 - * Honored SCI-TECH enterprise
 - * Expanded overseas marketing
- 2021**
 - * IATF16949 audit
 - * GJB9001C audit
 - * TFT production expanded to 12 lines, include 2 lines of high speed production of mid-size + TP OCA
 - * Set high end STN LCD lines
- 2022**
 - * IGB/T 23001-2017 (GB/T 23006-2022) audit
 - * Honored Innovative Enterprise
 - * Being key back-up companies to be listed.
 - * Honored Gazelle Company by Fujian Province

1.4 Enterprise qualification

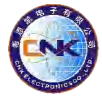


1.5 New patent certificate

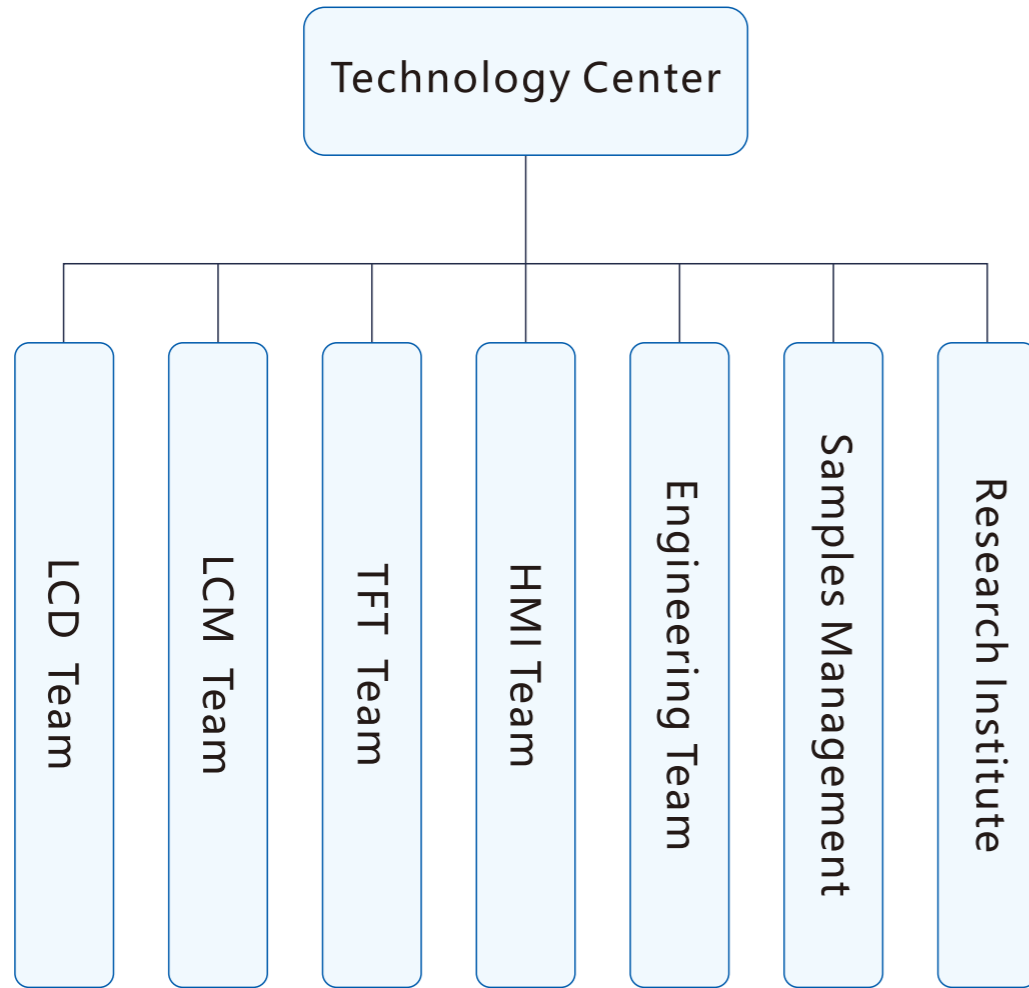


Technology - oriented, quality - based, to create a sustainable development of the enterprise platform.

...More than 50 Invention Patents, more than 300 Utility & Software Patents



2.1 Organizational structure



2.2 Design technology

LCD Design

TN/HTN

- 1/16 duty MAX
- Working temp: -40~100°C
- Minimum voltage: 1.8V
- Intergrated touch

STN

- Max1/240 duty; (COB)
- Max1/240 duty; (COG)
- Film exposure upto 8 um
- Working temp: -40~90°C
- Low current available
- Multiple display modes (FSTN/DFSTN/BLUE/Y-Getc.)

VA

- Segment 1/8 duty MAX
- Character 24*4 MAX
- Graphic 1/64 duty MAX
- Ultra high contrast (>500:1)
- Working temp: -40~90°C
- Full viewing available

LCM Design

COG LCM

- COG (Chip-On-Glass) is one of major LCD LCM assembly.
- Low power: without backlight only uA to mA, current of BL is very low.
- Wide temp: -30~85°C;
- Customized shapes, sizes, display conents, interfaces, etc.

COB LCM

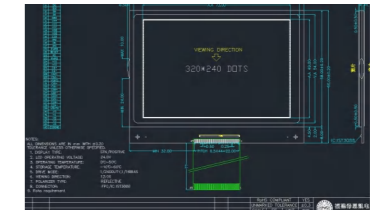
- COB (Chip-On-Board) is traditional LCD LCM assembly.
- High compatibility.
- Work with old softwares, easy to use.
- Customized shapes, sizes, display conents, interfaces, etc.
- Low cost & shorter time of development.



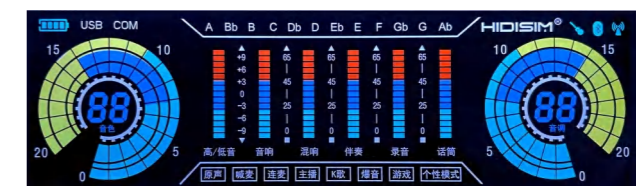
Shaped DFSTN LCD



Custom TN/STN/VA



320*240 Technology



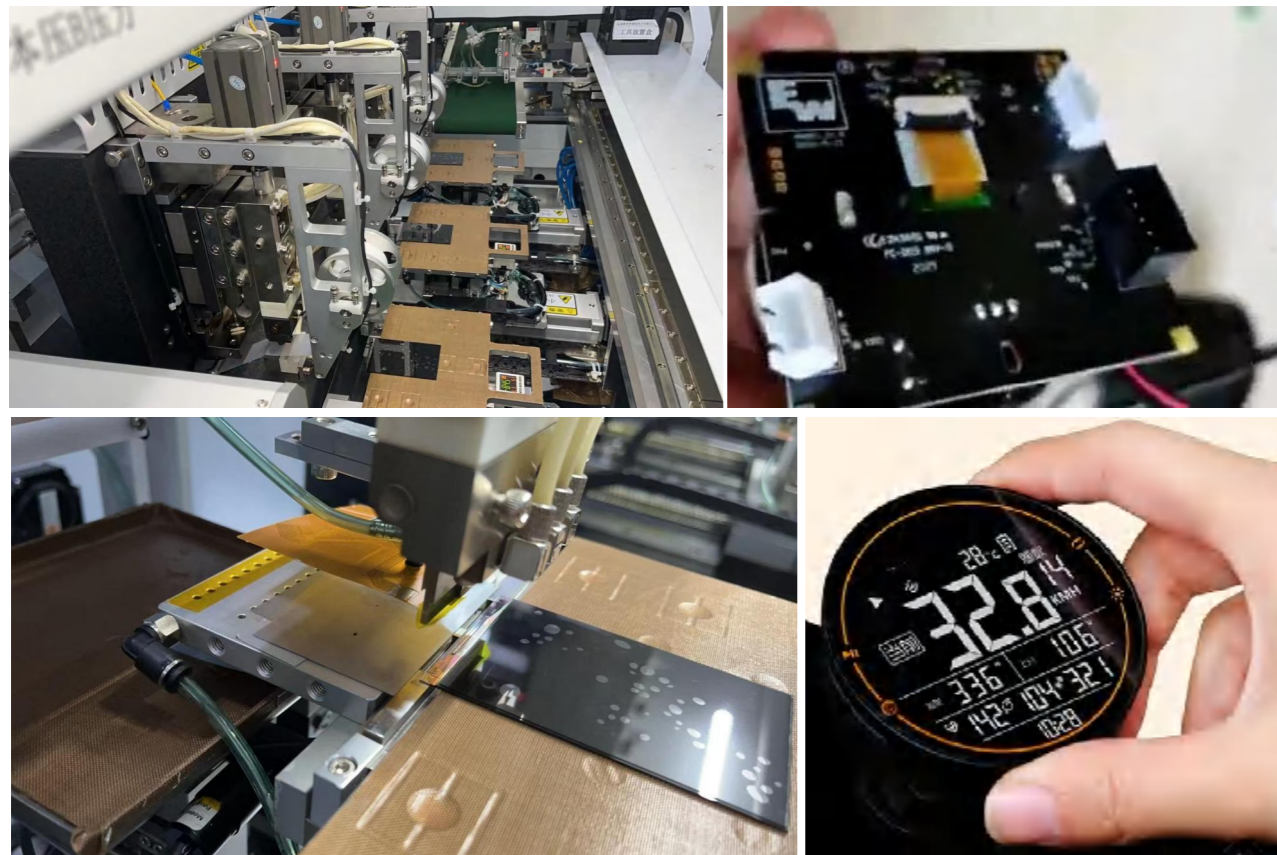
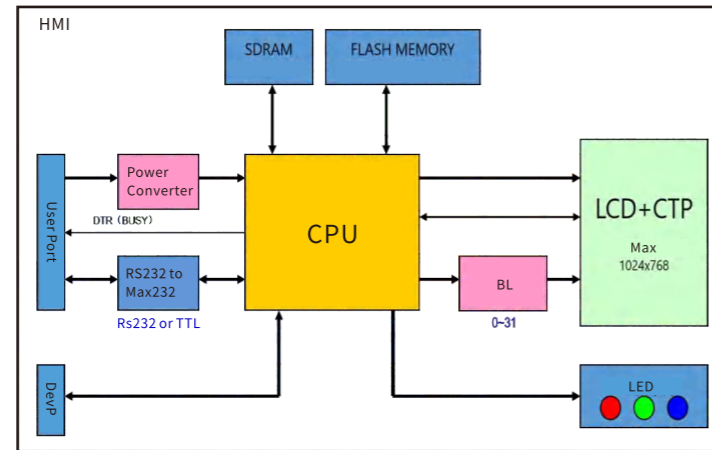
VA Full View + Colorful Silk Screen LCD

2.3 Experimental equipments

TFT LCM

- <15.6 inch TFT LCM
- Working temp: -30~85°C
- TN/IPS/LTPS panel
- TN-TFT+O-film full view
- Touch (RTP/CTP)
- OCA touch panel
- Custom TFT Panel

Display solutions



Drop testing machine



High and low temperature test chamber



Thermal Shock Test chamber



Quadratic instrument



Electrostatic testing instrument



Precision salt spray testing machine



Programmable constant temperature and humidity test chamber.

.....+ .AOI, microscope, luminance meter, etc.

2.4 Production workshop

LCD



COG/TFT



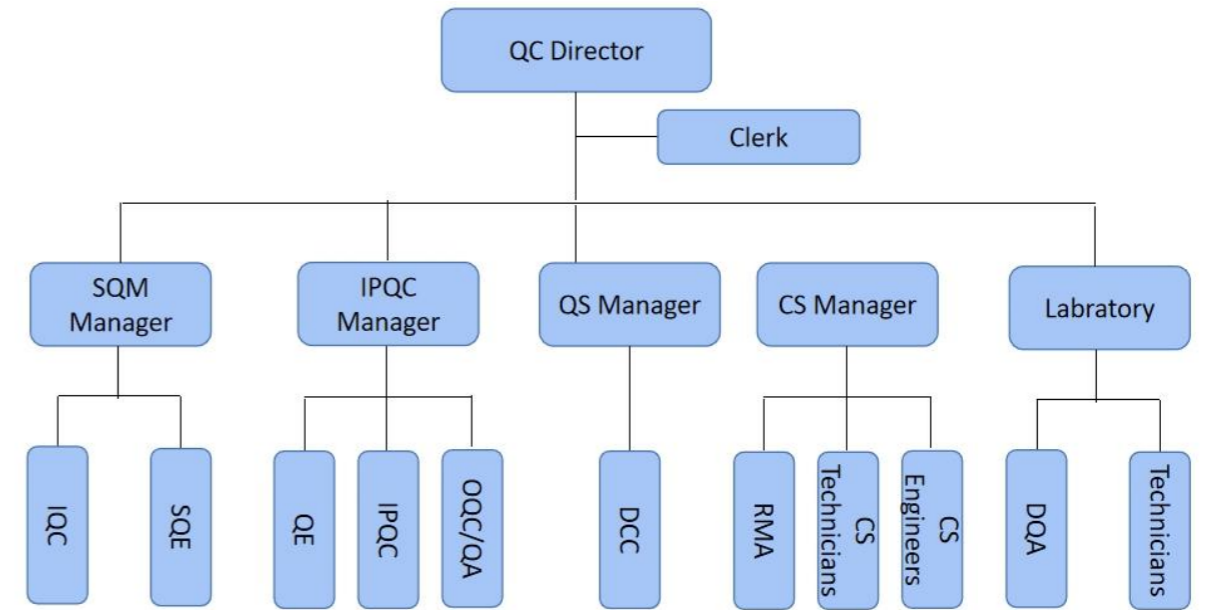
COB/SMT



BL



2.5 Quality organization structure

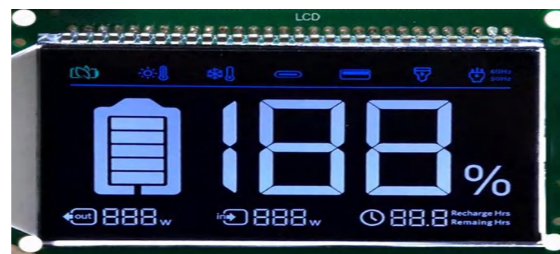
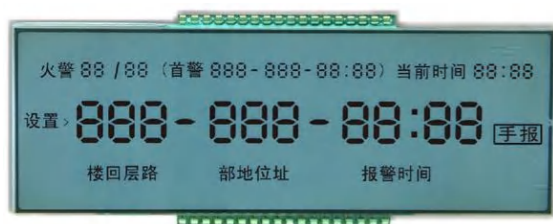
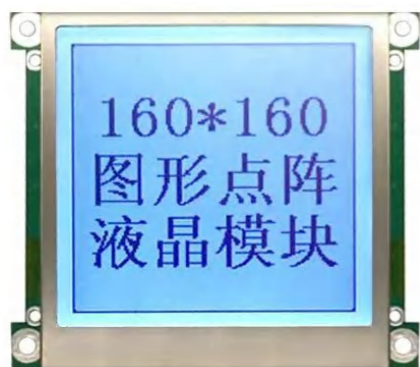
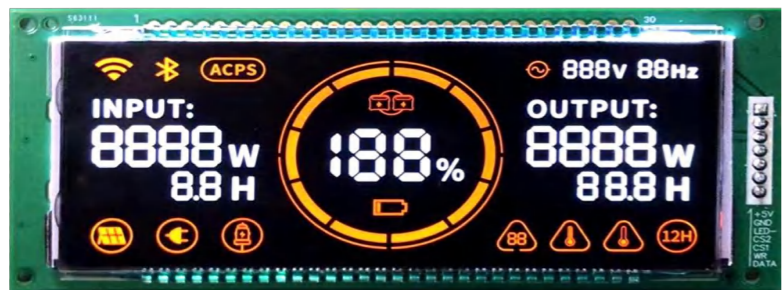
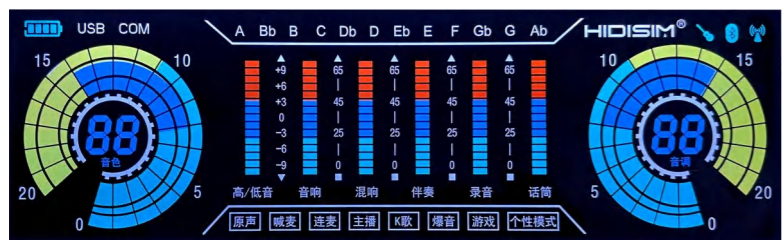


2.6 SYSTEM CERTIFICATION CERTIFICATE

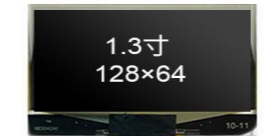
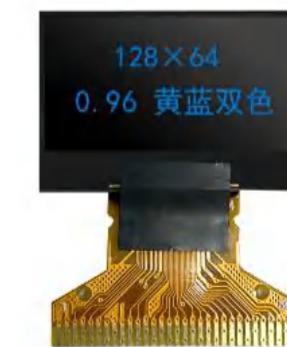
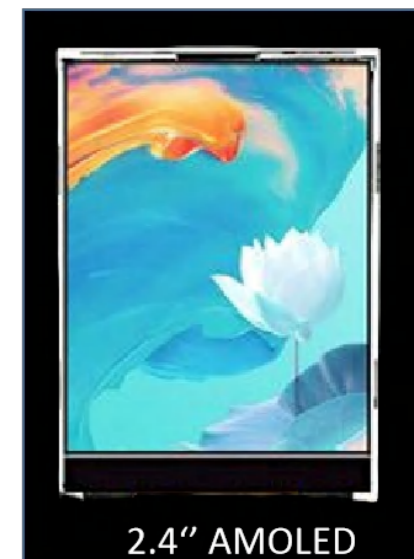


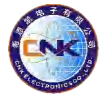
3.1 Products · Showcase

Monochrome LCD/LCM

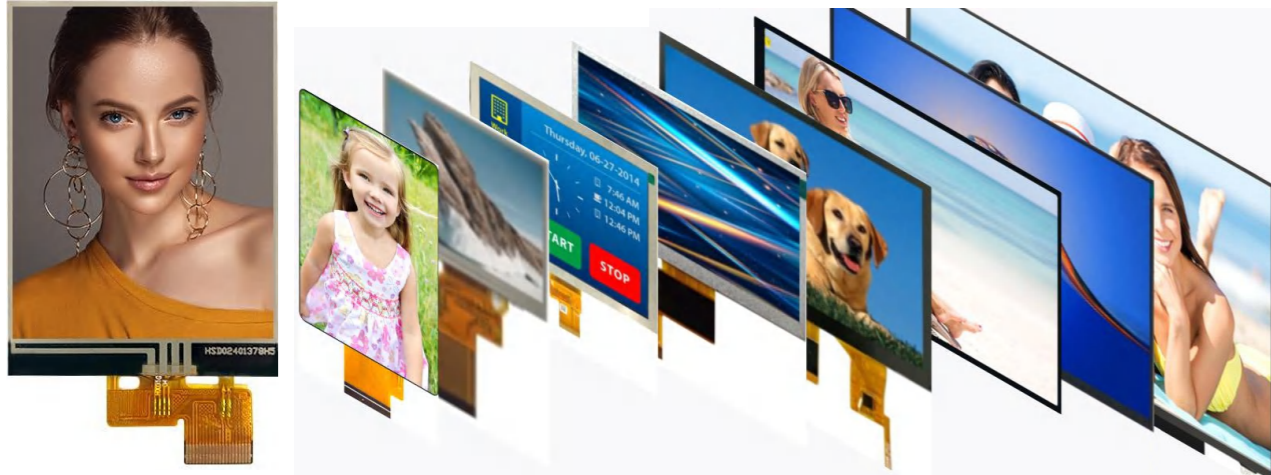


OLED

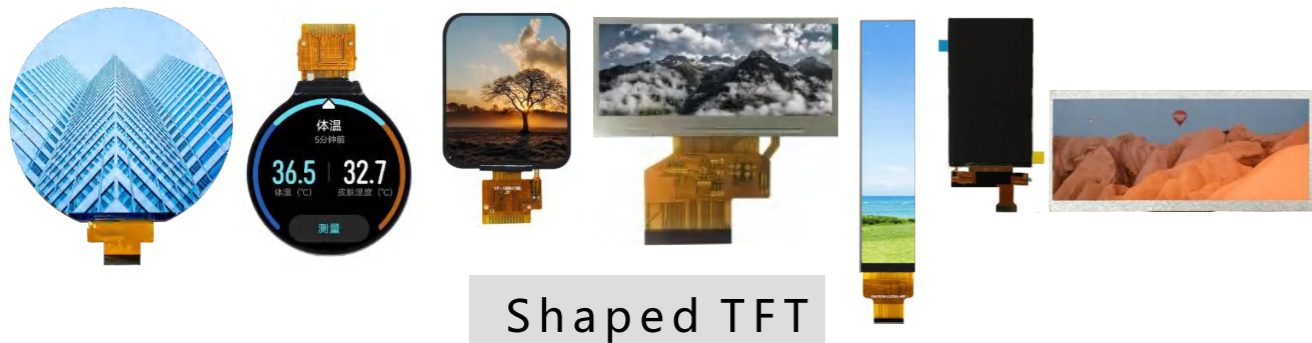




TFT

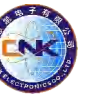


1.44/1.77/2.0/2.4/2.8/3.0/3.5/4.3/5/7/8/9/10.1 ~ 15.6 inch



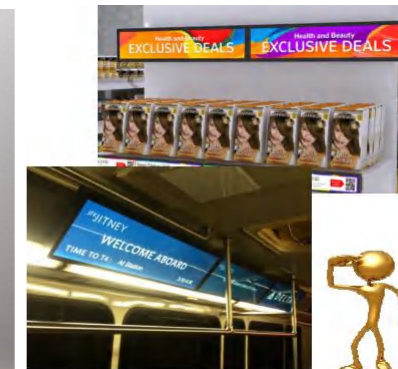
Shaped TFT

HMI Displays



Green display

- . Eye care
- . Low power
- . Sunlight readable
- . Animation play
- . Colorful display
- . Wide temp



3.2 Application scenario



Car electronics

CE

Smart home

Smart watch

Medical device



Industrial control



Energy storage products / intelligent solutions

3.3 Major customer

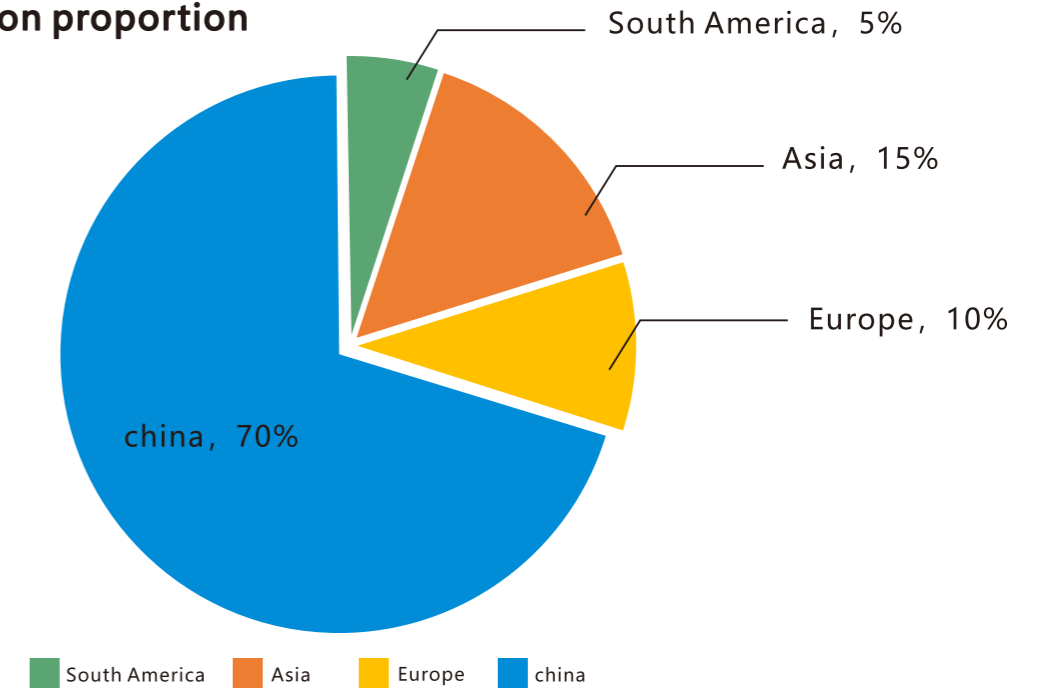


3.4 Product marketing 6+N

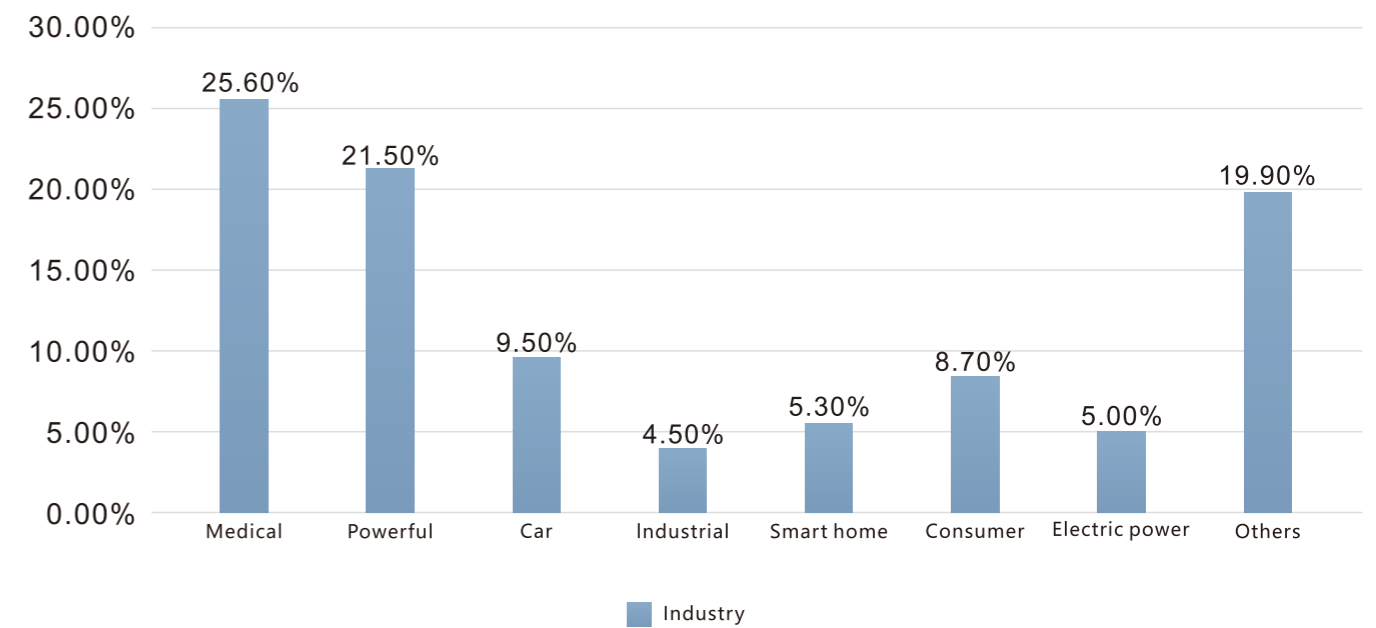


3.5 Customer distribution

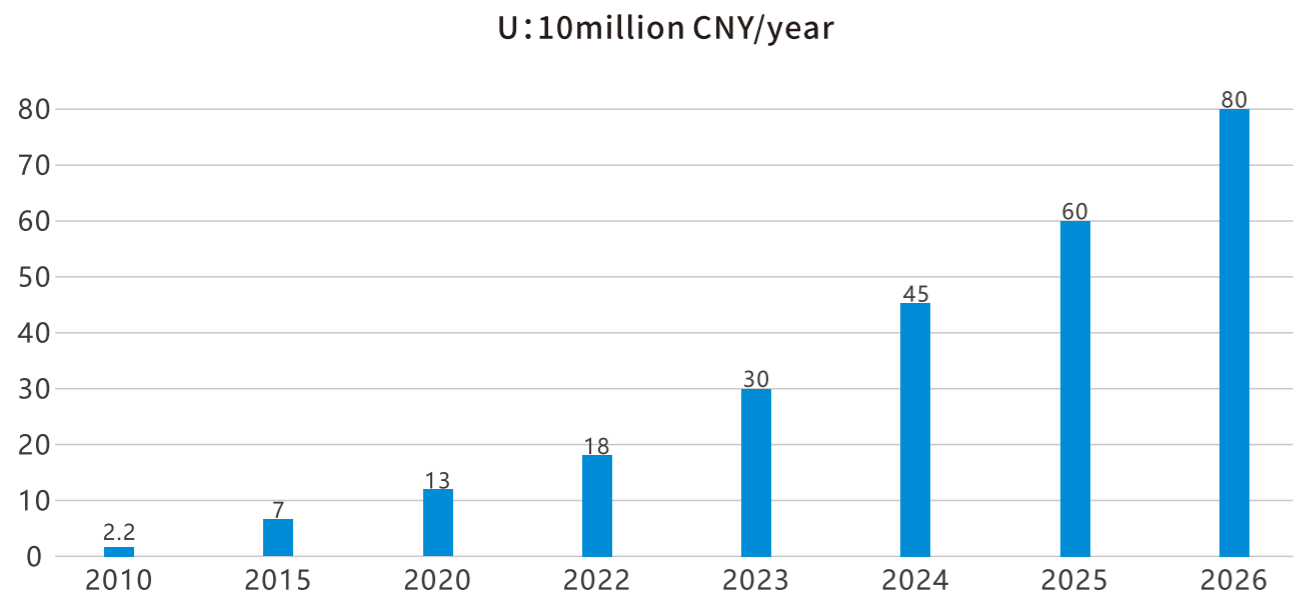
Sales distribution proportion



Industry



4.1 Sales planning



4.2 Market·Development

Our target

To be new force of display industry, offer customers high quality-price ratio mid-small sized display modules, include monochrome LCD, TFT, UART, OLED and application solutions.

To be strong force in display industry: oriented on high standard & high quality, to meet the customers' requirements on supplier quality system.

4.3 Future outlook

To make CNK the leader in display industry, establish worldwide brand, develop cut edge products, work with customers for development and mass production of display solutions, and keep creating value for customers.

CNK will be ran under after laws, and reach the standard of Quasi-listed company.

To make CNK platform enterprise, taking common prosperity as the direction, we are committed to becoming the leader of new enterprise models in the future, and creating a better life for people with technology and services.

