

# VIEWE INTRODUCTION

DISPLAY TOUCH  
EMBEDDED SMART DISPLAY



## 01 Profile

## 02 Partners

## 03 Qualification

## 04 Product & Solution

- ◆ Display and Touch Screen
- ◆ Embedded Smart Display



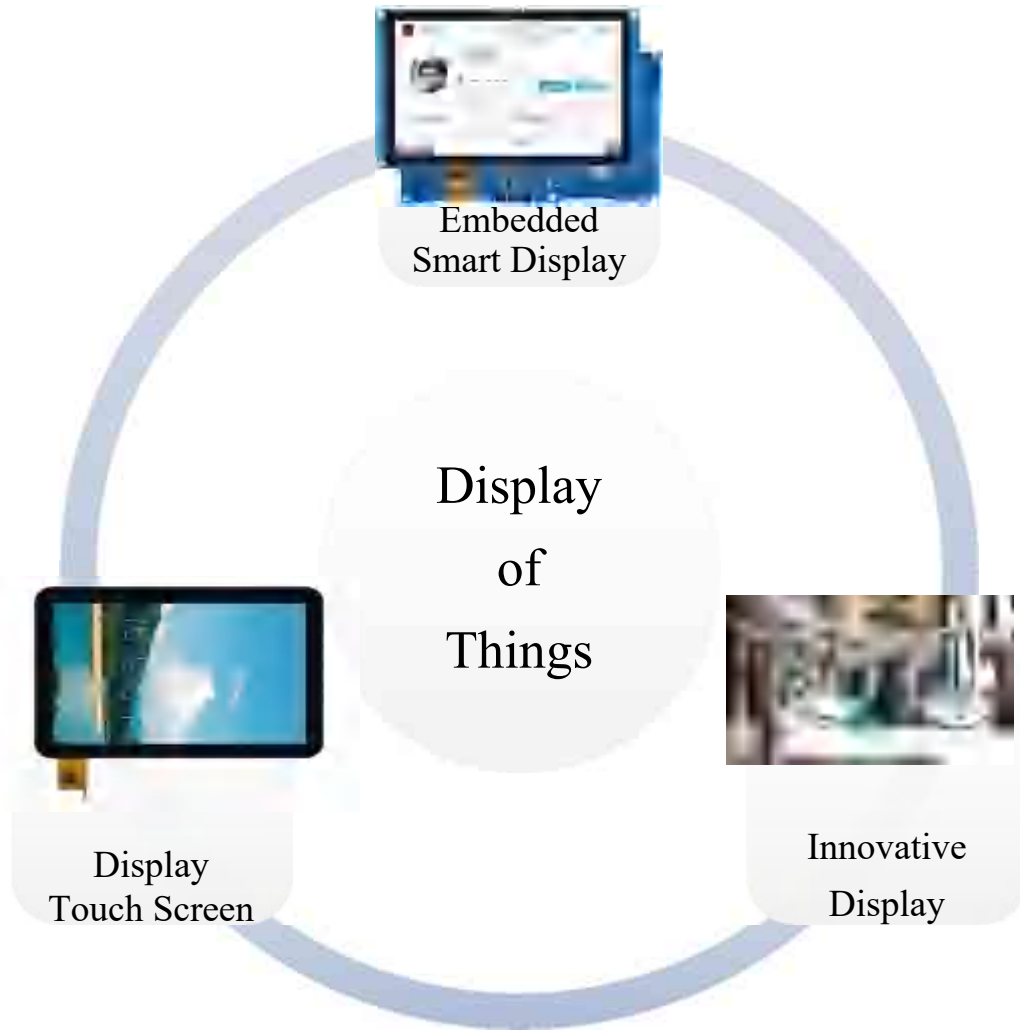


- Focus on embedded intelligent human-machine interaction and display touch integrated solutions
- Great capability of software and hardware R&D, intelligent manufacturing and sales service
- Adhering to the core values of professionalism, dedication, innovation and ambition to become the most valuable and respected leader in Display & HMI Industry.

## Business Philosophy

- Customer Centric
- Human Foremost
- Innovation Oriented
- Harmony ESG

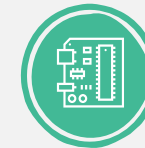




## R&D Capabilities



Embedded Software Design



Electronics PCB Design



Mechanical Design



Display Touch Customization



Human-Machine functional design



RF/Wireless Design



Test Verification



Project Management



- ◆ Established: Shenzhen in 2012, Jiangxi in 2019
- ◆ Innovation Qualification:
  - National High-tech Enterprise
  - Research Cooperation with Huazhong University of Science and Technology
  - Dozens of Patents & Intellectual Property Rights
  - Eye-Care Display Standard Writing Unit
- ◆ Company Capacity:
  - 15000 m2 (manufacturing base: 3000m<sup>2</sup> in 100-level and 8000m<sup>2</sup> in 1000-level)
  - Lean Management, ERP/MES/MRP IT System, Quality First



| Types                   | Size Range  | Process Ability          | Capacity      |
|-------------------------|-------------|--------------------------|---------------|
| Display Screen          | 1.54”~15.6” | 4K resolution supported  | 2KK pcs/Month |
| Touch Screen            | 1.54”~32”   | Fitting accuracy ±0.1mm  | 1KK pcs/Month |
| Optical Full Lamination | 1.54”~32”   | Fitting accuracy ±0.05mm | 1KK pcs/Month |



- Industry & Research Base in Huazhong University of Science and Technology
- National high-tech enterprise
- SRDI Enterprise

- Doctor-level talents and consultant system
- Dozens of patents & intellectual property rights
- Annual Smart Home Innovation Product "Dingzhi Award"

- Core partners of panel vendor: BOE, Innolux, and Hann Star
- Espressif /STM/LVGL strategic partner
- Win-win cooperation

## Market Advantage



## RD Advantage



## Hardware Advantage



## Resource Advantage



## Quality Advantage



- World Famous Customers: Hisense, Haier, Mi, Philips, Casio, Honeywell
- Focus on segment market deeply
- Well-known brands in the IOT industry
- China Smart Home Alliance Council Unit

- Display and touch integration
- Embedded Smart Display software and hardware integration
- Dust-free workshop of 100 level
- Fully automated production equipment, complete quality control system

- TS16949/ISO9001/ISO14001/QC080000
- 100 PPM functional after-sale rate
- Long product life > 10 years



## Production Lines



## Test Equipments



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**Enterprise Application**

### Data Device

- PDA
- Facial Recognition
- Attendance Device
- Access Control

### Comm Device

- Rugged Phone
- Cellular Radio

### Office Device

- Office Telecommunication
- Remote Office
- Printers/Copier
- Multifunctional Applicants



**Smart Home**

### Smart Appliances

- Household Appliances
- Kitchen Appliances
- Home Appliances
- Clean Appliances

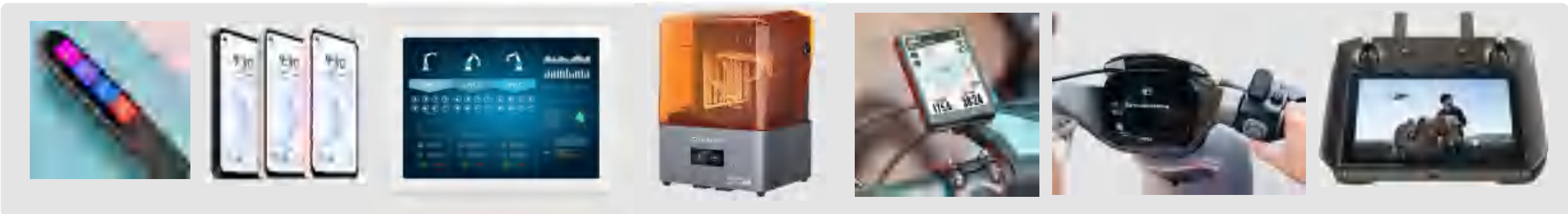
### Smart Environment

- Smart Lighting
- Intelligent Thermostat
- Smart Music

### Home Security

- Building Intercom
- Smart Lock
- Smart Care

## IOT





**01 Profile**

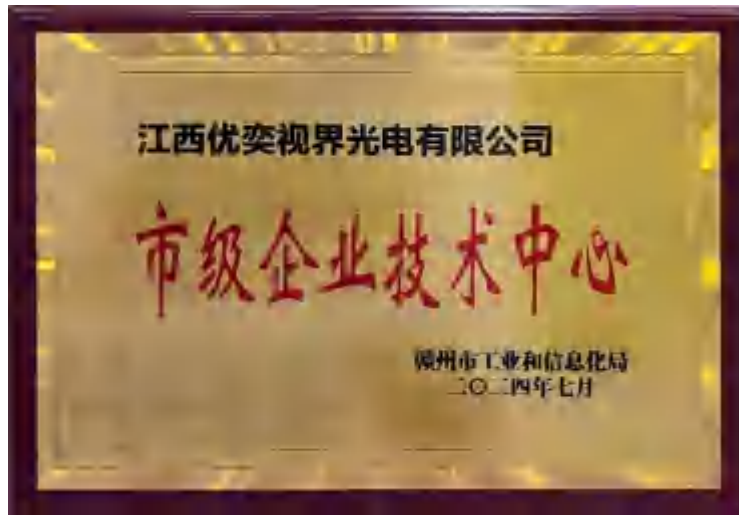
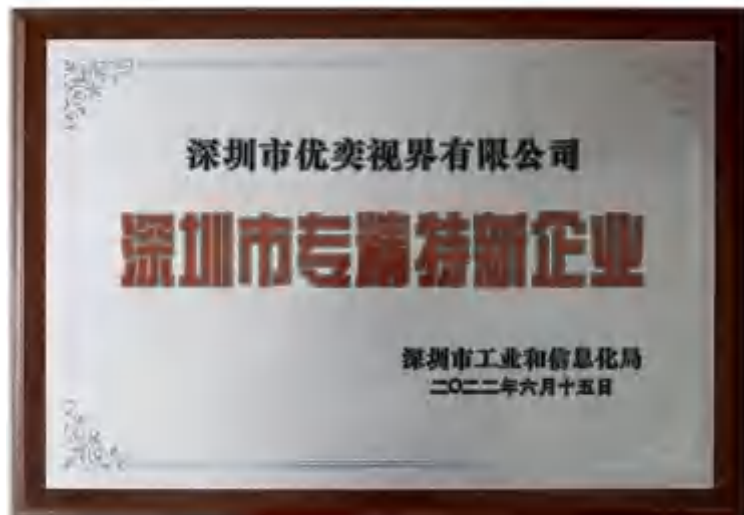
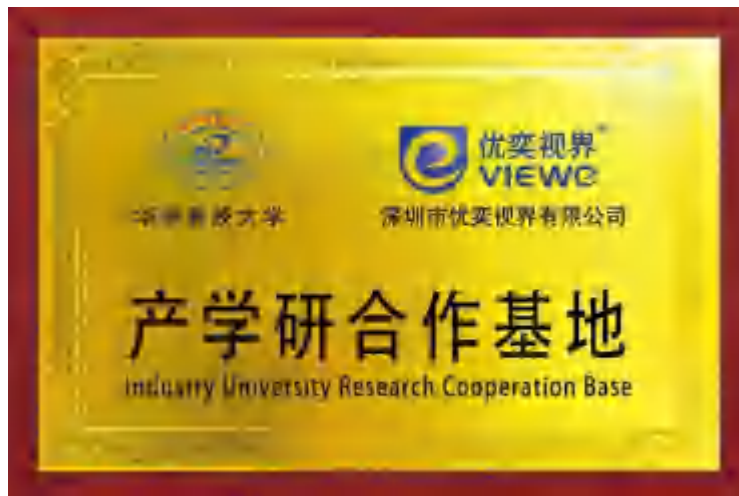
**02 Partners**

**03 Qualification**

**04 Product & Solution**

- ◆ Display & Touch Screen
- ◆ Embedded Smart Display







ISO9001  
Quality Management System



IATF16949 Automotive  
Quality Management System



ISO14001  
Environmental Management System



ROHS  
CB TUV Product Certification



**01 Profile**

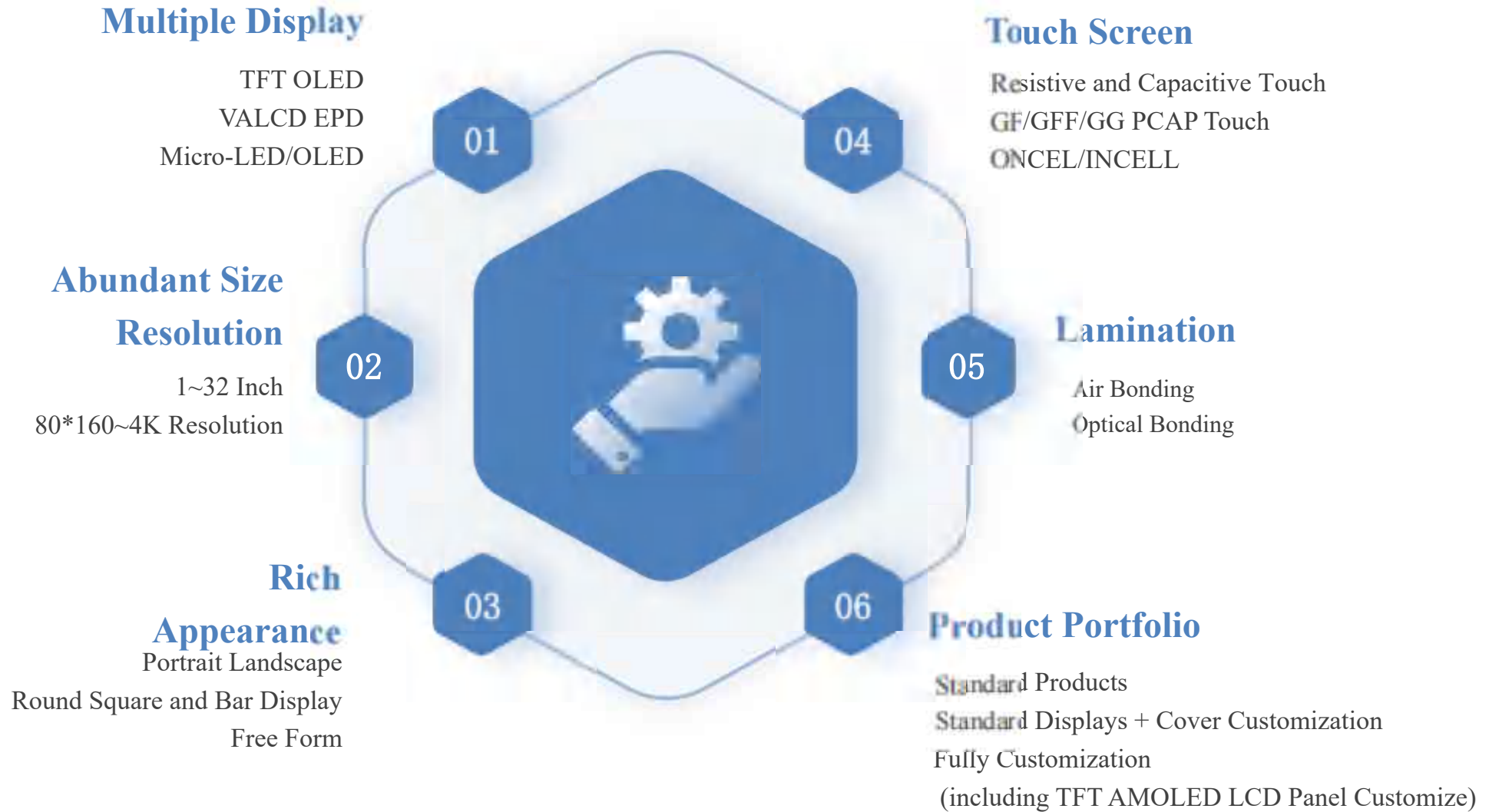
**02 Partners**

**03 Qualification**

**04 Product Solutions**

- ◆ **Display & Touch Screen**
- ◆ **Embedded Smart Display**









**High Brightness**

- Typ 1000, Max 3000 nits
- Heat dissipation design
- High-brightness LED, high-transmittance TFT, AMOLED and optical film selection



**Transflective TFT**

- Industry-leading edge technology
- Excellent reflection effect
- 2.4/2.8/3.5/4/5/5.5 and more selection



**High Reliability**

- -30~85 wide temperature
- Long working life
- ESD/EMC high anti-interference
- IP68 ruggedness
- IK08 shock and vibration resistance



**Touch Enhancement**

- Up to 10mm thick cover touch
- Glove touch
- Waterproof touch
- Anti-interference touch



**Cover Enhancement**

- AR/AG/AF surface treatment
- Antibacterial
- 3D Cover
- Corning Gorilla glass



**Decorative Display**

- All-black
- Wood grain display
- Mirror silver display
- Supports customization of multiple materials and colors, blend display with device seamlessly



## Sun Readable and Durable



### Display Types

#### High Brightness Display:

- Typical brightness up to 1000 nit, Max 3000 nit

#### Transflective Display:

- Sunlight Stronger, More Visible Display
- Low Power: less than 10% power of high brightness display
- Low Heat



### Cover and Lamination

Using OCA/LOCA Full Lamination and AR/AG enhancement technology, contrast and anti-glare performance are improved to ensure clear visibility under strong light.



### Touch Enhancement

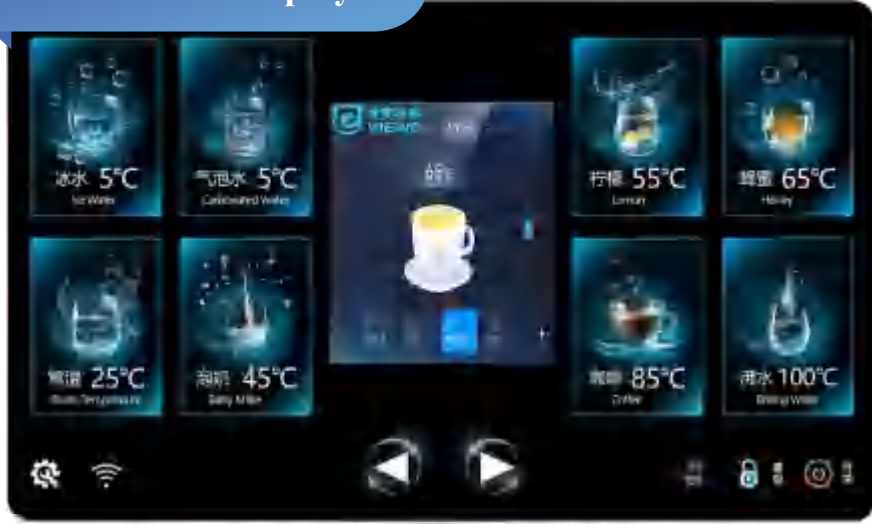
For outdoor application, **Waterproof Touch** and **Glove Touch** ensure that the screen can be used robustly.



### Outdoor Reliability

- UV resistant
- Vibration resistant
- Shock resistant
- Dustproof, waterproof and drop-proof
- Wide operating temperature (-30~85°C)

Combination Display



Appropriately display text, icons, pictures, videos  
Better flexibility, higher cost performance

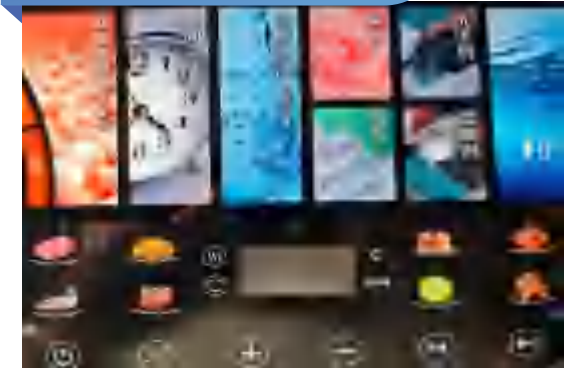
VA LCD



Knob



Color Film



TFT AMOLED

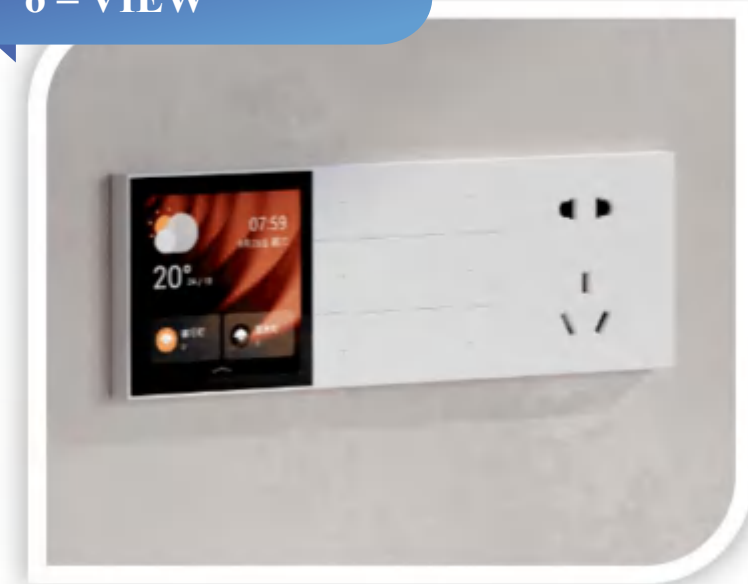


## Decorative Display



All black, mirror silver, wood grain display  
More customized colors and grains make the display  
more decorative

## δ - VIEW



Perfectly integrate displays with  
devices through free form and size



## Eye Care

VIEWE's innovative display panel, chips and optical technologies can eliminate 80% of harmful blue light. Passed **TUV Rheinland** eye care certification.



## Health Display VIEWECARE



## Antibacterial

With a broad-spectrum sterilization rate of 99% and scratch-resistant, your hands are sterile and healthy. Passed the **US EPA** medical certification.

## Portrait

| Size        | Resolution      | Tech             |
|-------------|-----------------|------------------|
| 2.4         | 240*320         | IPS/TN           |
| 2.4         | 480*640         | IPS ★            |
| 2.8         | 240*320         | IPS 🌟            |
| 2.8         | 480*640         | IPS TID★         |
| <b>3.33</b> | <b>320*480</b>  | <b>IPS</b>       |
| <b>3.5</b>  | <b>240*320</b>  | <b>IPS</b>       |
| 3.5         | 320*480         | IPS TID          |
| 3.5         | 640*960         | IPS ★            |
| 4           | 480*800         | IPS/TN TID       |
| 4           | 640*1280        | IPS              |
| 4.3         | 480*800         | IPS              |
| 4.7         | 720*1280        | IPS              |
| 5.0         | 480*854         | IPS/TN TID       |
| 5.0         | 720*1280        | IPS TID 🌟        |
| <b>5.0</b>  | <b>720*1520</b> | <b>IPS   TID</b> |
| 5.0         | 1080*1920       | IPS ★            |

| Size | Resolution | Technology |
|------|------------|------------|
| 5.2  | 1080*1920  | IPS        |
| 5.5  | 720*1280   | IPS        |
| 5.5  | 720*1440   | IPS TID    |
| 5.5  | 1080*1920  | IPS        |
| 5.72 | 720*1440   | IPS        |
| 6    | 720*1440   | IPS TID 🌟  |
| 6    | 1080*2160  | IPS  TID★  |
| 6.72 | 1080*2400  | IPS  TID   |
| 6.8  | 720*1440   | IPS        |
| 7    | 1200*1920  | IPS ★      |
| 8    | 800*1280   | IPS        |
| 10.1 | 800*1280   | IPS ★      |
| 10.1 | 1200*1920  | IPS        |

★ HD

🌟 High-brightness

## Landscape

| Size | Resolution | Technology |
|------|------------|------------|
| 2    | 320*240    | IPS/TN     |
| 2    | 480*360    | IPS ★      |
| 3.5  | 320*240    | IPS        |
| 3.5  | 640*480    | IPS ★      |
| 4.3  | 480*272    | IPS/TN     |
| 4.3  | 800*480    | IPS ★      |
| 5    | 800*480    | IPS        |
| 7    | 800*480    | TN         |
| 7    | 1024*600   | IPS        |
| 8    | 1024*768   | IPS        |
| 9.7  | 1024*768   | IPS        |
| 10.1 | 1024*600   | IPS        |
| 10.1 | 1280*800   | IPS        |
| 11.6 | 1366*768   | IPS        |
| 13.3 | 1920*1080  | IPS        |
| 14   | 1920*1080  | IPS        |
| 15.6 | 1920*1080  | IPS        |





## Transflective

| Size       | Resolution      | NB/NW     |
|------------|-----------------|-----------|
| <b>2.4</b> | <b>240*320</b>  | <b>NW</b> |
| 2.8        | 240*320         | NB        |
| 3          | 240*400         | NW        |
| <b>3.4</b> | <b>282*470</b>  | <b>NB</b> |
| <b>3.5</b> | <b>320*480</b>  | <b>NB</b> |
| 3.5        | 720*720         | NB        |
| 4          | 480*800         | NB        |
| <b>5</b>   | <b>800*480</b>  | <b>NB</b> |
| 5          | 720*1280        | NB        |
| <b>5.5</b> | <b>720*1440</b> | <b>NB</b> |

TID: touch in display (In Cell) TOD: touch on display (On Cell)




## Bar

| Size  | Resolution | Ratio | Technology  |
|-------|------------|-------|---|
| 1.47  | 172*320    | 2:1   | IPS   |
| 2     | 170*320    | 2:1   | IPS   |
| 2.2   | 180*454    | 5:2   | IPS/TID   |
| 3     | 268*800    | 3:1   | IPS/TOD   |
| 4     | 480*128    | 4:1   | IPS   |
| 4.58  | 320*960    | 3:1   | IPS   |
| 6.8   | 720*1440   | 2:1   | IPS   |
| 6.86  | 480*1280   | 8:3   | IPS        |
| 7     | 280*1424   | 5:1   | IPS   |
| 7.84  | 400*1280   | 3:1   | IPS   |
| 8.8   | 480*1920   | 4:1   | IPS   |
| 9.3   | 600*1600   | 8:3   | IPS        |
| 10.1  | 440*1920   | 4:1   | IPS   |
| 10.25 | 720*1920   | 8:3   | IPS TID  |
| 12.3  | 720*1920   | 8:3   | IPS      |

## Square

| Size | Resolution | Tech    |
|------|------------|---------|
| 1.3  | 240*240    | IPS     |
| 1.54 | 240*240    | IPS     |
| 1.54 | 320*320    | IPS     |
| 1.8  | 240*280    | IPS     |
| 2.73 | 320*320    | IPS     |
| 3.6  | 480*480    | IPS     |
| 4    | 480*480    | IPS TID |
| 4    | 720*720    | IPS     |
| 5    | 600*600    | IPS     |
| 7.6  | 800*800    | IPS     |
| 7.6  | 1200*1200  | IPS     |

## Round

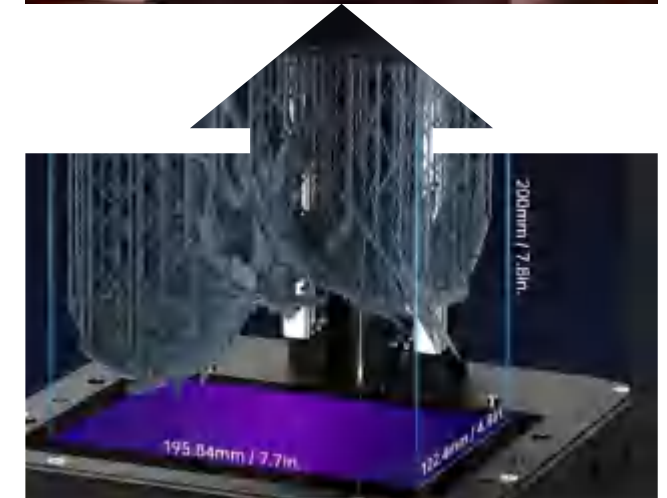
| Size | Resolution | Tech  |
|------|------------|---|
| 1.28 | 240*240    | IPS   |
| 1.6  | 400*400    | IPS   |
| 1.8  | 360*360    | IPS   |
| 2.1  | 480*480    | IPS   |
| 2.8  | 480*480    | IPS   |
| 3.4  | 800*800    | IPS   |
| 4.0  | 720*720    | IPS   |
| 5.0  | 1080*1080  | IPS   |
| 7.0  | 1080*1080  | IPS  |



## ○ Features

- LTPS MONO TFT for **Resin 3D printers**
- High transmittance, high contrast
- UV resistance (supports 385nm)
- Wide temperature operate
- Pressure resistance, high reliability and long life

| Size        | Resolution       | Pixel Size    | Transmittance @ UV 405nm | Interface   |
|-------------|------------------|---------------|--------------------------|-------------|
| 7           | 3K               | 50um          | 8.0%                     | MIPI        |
| 8           | 4K               | 40um          | 6.2%                     | LVDS/MIPI   |
| 8.9         | 3840*2400        | 50um          | 6.6%                     | LVDS/MIPI   |
| <b>10.3</b> | <b>7680*4320</b> | <b>29.7um</b> | <b>5%</b>                | <b>MIPI</b> |
| <b>13.6</b> | <b>7K</b>        | <b>50um</b>   | <b>6.6%</b>              | <b>MIPI</b> |





| Size | Resolution | Active Area    | Outline            | Brightness (cd/m2) | NTSC | CR        | Interface    | Operating Temperature | Key Feature                    |
|------|------------|----------------|--------------------|--------------------|------|-----------|--------------|-----------------------|--------------------------------|
| 1.5  | 466*466    | φ38.31         | 40.71*40.94*0.71   | 450                | 100% | 10000 min | QSPI         | -30° ~80°             | TOD<br>COF Ultra-narrow border |
| 1.75 | 466*466    | φ43.76         | 45.93*46.35*0.8    | 700                | 100% | 20000 typ | QSPI/MIPI    | -20° ~70°             | TOD<br>COF Ultra-narrow border |
| 2.1  | 410*502    | 33.09*40.51    | 34.79*43.14*0.8    | 700                | 100% | 20000 typ | QSPI         | -20° ~70°             | TOD<br>COF Ultra-narrow border |
| 2.4  | 450*600    | 36.72*48.96    | 38.72*51.56*0.8    | 800                | 100% | 10000 min | SPI/MCU/MIPI | -20° ~80°             | COF Ultra-narrow border        |
| 4.39 | 568*1210   | 47.37*100.91   | 49.13*103.55*0.75  | 600                | 100% | 10000 min | MIPI         | -30° ~70°             | TOD<br>COF Ultra-narrow border |
| 5.5  | 1080*1920  | 68.256*121.34  | 70.356*127.35*0.85 | 350                | 90%  | 10000 min | MIPI         | -20° ~60°             | TOD                            |
| 6.0  | 1080*2160  | 68.256*136.512 | 70.066*142.3*0.78  | 360                | 100% | 10000 min | MIPI         | -20° ~70°             | TOD                            |



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◆ Display & Touch Screen

◆ Embedded Smart Display



## Hardware Capabilities

- MCU/MPU/SOC development capabilities
- High-speed signal and stable power design
- UART/RS232/RS485/CAN/etc.Interface

## System Integration

- From idea to prototype to mass production
- Complete supply chain and manufacturing
  - Complete testing and verification

## Mechanical Design

- IP67 dust and water proof/EMC shielding design, etc.
- Detailed parts design - CNC machining/in-mold injection molding, etc.
- Parts material selection - plastic (PC/ASA/POM), etc.
- Prototype model verification - CNC/SLA/FDM, etc.

## Software Capabilities

- Proficient in RTOS/Linux/Bare Metal development
- LVGL strategic partner, rich development experience
- Familiar with underlying driver BSP development

## Multimodal Interaction

- Multi-modal interaction such as touch/voice/camera
- GUI graphical user interface design
- Edge computing capabilities

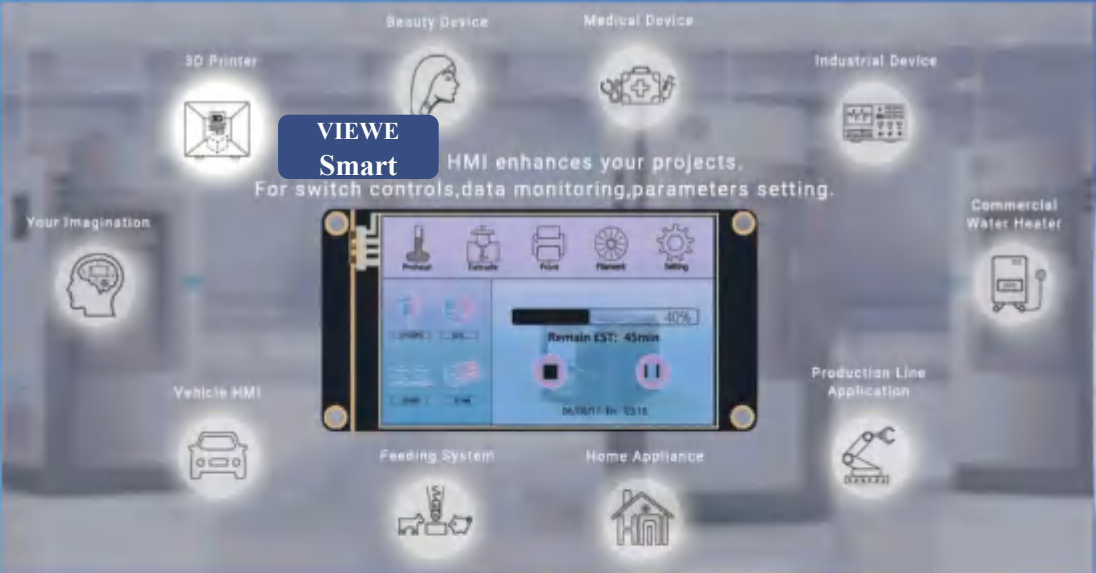
## Connectivity

- **Wireless device side** - WIFI/BT/BLE/ ZigBee/Matter
- **Gateway side** - Zigbee/Bluetooth gateway (Sig Mesh), 4G wireless router (Cat1, Cat4)
- Cloud/server communication - Communication development based on common network protocols such as MQTT



# WYSIWYG What You See is What You Get

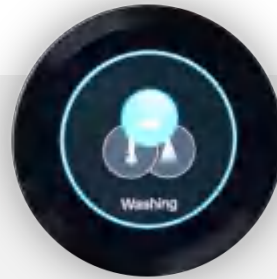
Quick UI development and protocol docking  
Let the product cover more industry applications





| Size | Resolution | OS    | CPU     | Ram(BYTE) | Flash (BYTE) | Interface  | WIFI BT/BLE |
|------|------------|-------|---------|-----------|--------------|------------|-------------|
| 1.9  | 170*320    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
| 2.4  | 240*320    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
| 2.8  | 240*320    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
| 3.5  | 240*320    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
|      | 320*480    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
| 4    | 480*480    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
|      | 480*480    | LINUX | 1.2GHz  | 128M      | 16M+128M     | UART*2     | x           |
| 4.3  | 480*272    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
|      | 800*480    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
|      | 480*800    | LINUX | 1.2GHz  | 128M      | 16M+128M     | UART/RS232 | Optional    |
| 5    | 800*480    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
|      | 480*854    | LINUX | 1.2GHz  | 128M      | 16M+128M     | UART/RS232 | Optional    |
|      | 800*480    | LINUX | 1.2GHz  | 128M      | 16M+128M     | UART/RS232 | Optional    |
| 7    | 800*480    | RTOS  | 240 MHz | 8M        | 16M          | UART/USB   | WIFI/BLE/BT |
|      | 1024*600   | LINUX | 1.2GHz  | 128M      | 16M+128M     | UART/RS232 | Optional    |
| 10.1 | 1024*600   | LINUX | 1.2GHz  | 128M      | 16M+128M     | UART/RS232 | Optional    |





1.28 Inch TFT  
Smart Knob Display

1.5 Inch AMOLED  
Smart Knob Display

2.1 Inch TFT  
Smart Knob

3.5 Inch TFT  
Smart Panel

4 Inch TFT  
Smart Panel

Resolution  
240\*240 (IPS)  
Interaction Mode  
Rotate + Press

Resolution:  
466\*466  
Interaction Mode:  
Rotate + Press+Touch

Resolution:  
480\*480 (IPS)  
Interaction Mode  
Rotate + Press +touch

Resolution  
320\*480 (IPS)  
Interaction Mode  
Touch + Button

Resolution:  
480\*480 (IPS)  
Interaction Mode  
Touch





**Connect to Desktop Computer**

**Connect to Raspberry Pi**



| Model                  | Output               | Compatible Screen   | Features  |
|------------------------|----------------------|---|---|
| UEDX6911-HDMI V1.2     | 30PIN MIPI           | 2.1 Round Display 480*480<br>2.8 Round Display 480*480<br>4.0 Round Display 720*720<br>4.0 Square Display 720*720 | 1、 Type:RGB/MIPI to HDMI<br>2、 Size: 62 * 56mm<br>3、 Power supply interface: USB<br>4、 Power supply:5V 2A<br>5、 Support screen interface: 40pin RGB/30pin MIPI<br>6、 Operating temperature: -20 ~ + 70°C<br>7、 Touch function: optional |
|                        | 40PIN MIPI           | 6.86 Bar Display 480*1280<br>9.3 Bar Display 600*1600<br>10.11 Bar Display 440*1920                               |   |
| UEDX1425057-HMD-H V1.1 | 60PIN Dual-Port MIPI | 5 Round Display 1080*1080<br>5.7 Inch 1440*2560   | 1、 Type:RGB/MIPI to HDMI<br>2、 Size: 62 * 56mm<br>3、 Power supply interface: USB<br>4、 Power supply:5V 2A<br>5、 Support screen interface: 40pin RGB/30pin MIPI<br>6、 Operating temperature: -20 ~ + 70°C<br>7、 Touch function: optional |
| UEGXHDMI-30MIPI        | 40PIN MIPI           | 7.6 Square Display 800*800<br>7.6 Square Display 1200*1200  | 1、 Type:MIPI to HDMI<br>2、 Size: 40 * 50mm<br>3、 Power supply: Type C<br>4、 Power supply:5V 2A<br>5、 Support screen interface: 30pin MIPI<br>6、 Operating temperature: -20 ~ + 70°C<br>7、 Touch function: optional                      |



# CONTACT

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