

Specification of interactive flat panel



Product Categories: Interactive flat panel

Product Model: 98M6SA

Date: 2023.03



1. Product characteristics

1.1 System properties

- Equipped with Android 11.0 Smart OS and unique 4K UI design;
- 8GB internal cache + 128GB internal storage, for faster operating speeds;
- Flexible modularized design, free switch between Android and Windows.

1.2 Exterior and audio & video

- Horion exclusive gun-color business appearance; the frame is exquisite with oxidation technology;
- Built-in 48M professional camera with 102° ultra-wide viewing angle is compatible for various video conferencing software and supports sound source localization to track speakers in the meeting;
- 8-array microphones, 12 meters pickup distance and intelligent noise reduction algorithm make remote meetings more convenient and efficient.

1.3 Whiteboard writing

- High-precision infrared touch technology with ± 1 mm touch accuracy, support 20-point touch, smooth writing and low latency;
- Support single-point and multi-point writing, writing with a pen tip, adding colored pen effects, etc., any channel and any interface can be annotated;
- Adopt 4mm AG anti-glare tempered glass, Mohs hardness level 7, better writing experience;

1.4 Transmission function

- Wireless screen mirroring, without installing driver, contents of PCs, tablets and mobile phones can be shared on the screen;
- Upgraded Type-C one-click dongle, plug and play, fine details can be seen instantly, more stable and efficient;
- Built-in 2.4G/5.8G dual-band dual-network card, supports simultaneous use of wireless Internet and WIFI hotspot, and the antenna adopts a front hidden design;

Horion

- Bluetooth function, which can wirelessly connect to Bluetooth devices, such as mobile phones and stereos; and supports wireless connection with printing devices for printing;
- Rich interfaces are compatible with various audio and video terminals, making remote communication simpler and multi-party collaboration more efficient.

1.5 Commercial display

- High-definition image processor: image compensation, color enhancement, point-to-point display technology;
- Image output: high definition, stable transmission, low latency;
- Customized welcome page: massive templates to meet different operating scenarios;
- WPS office system: easier presentation, more efficient communication;
- Small tools: timer, Horion transfer, recorder, etc., for convenient operating.

2. Main parameters

2.1 Specification overview

| | |
|-----------------------|-----------------------|
| Certificated Model | 98M6SA |
| Display | |
| Size | 97.52" |
| Backlight type | D-LED |
| Resolution | 3840*2160 (UHD) (RGB) |
| Brightness | 350cd/m ² |
| Contrast ratio | 1200:1 |
| Response time | 8ms |
| Pixel pitch | 0.5622mm*0.5622mm |
| Refreshing frequency | 60Hz |
| Viewing angle | 178°(H) / 178°(V) |
| Color gamut (NTSC) | 72% |
| View area | 2158.85mm*1214.35mm |
| Display colors | 1.07B(10bit) |
| Life Time | 50,000hr+ |
| System | |
| Operation system | Android 11.0 |
| CPU Architecture | Arm Cortex-A73 |
| CPU working Frequency | 1.8GHz |
| CPU Core | Quad Core |
| GPU | Mali-G52 |
| RAM | 8GB |

| | |
|-------------------------------|----------------------------|
| ROM | 128GB |
| Power | |
| Voltage | 100 V ~ 240 V/AC, 50/60 Hz |
| Power consumption without OPS | 550W |
| Power consumption (standby) | <0.5W |
| Power (AC) input | *1 |
| Camera | |
| Pixel | 48MP |
| Focus Form | Auto Framing |
| Diagonal Angle | 114.9° |
| Horizontal Angle | 102.1° |
| Microphone | |
| Category | 8 Array |
| Pickup Distance | 12m |
| Pickup Angle | 180° |
| Other function | |
| Audio Output Power | 10W * 2 |
| NFC | Support |
| Wi-Fi | Wi-Fi 5 |
| Bluetooth | 5.0 |
| Front interface | |
| USB 3.0 | *2 |
| TYPE-C | *1 |
| Rear interface | |
| HDMI -IN | *2 |
| LAN | *2 |
| DP-IN | *1 |

| | |
|------------------------------------|---------------------------------|
| VGA-IN | *1 |
| AUDIO-IN | *1 |
| USB 2.0 | *1 |
| USB 3.0 | *2 |
| TOUCH-USB | *1 |
| MIC-IN | *1 |
| SPDIF-OUT | *1 |
| HDMI-OUT | *1 |
| AUDIO-OUT | *1 |
| Remote control port | |
| RS232 | *1 |
| Environmental factor | |
| Working Temperature | 0°C ~ 40°C |
| Storage Temperature | -10°C ~ 60°C |
| Working Humidity | 20% ~ 80% |
| Storage Humidity | 10% ~ 80% |
| Working Altitude | ≤5000m |
| The longest service time(Hour*Day) | 18Hours*7days |
| Structure | |
| Net Weight | 106kg±1.5kg |
| Gross Weight | 159kg±1.5kg |
| Product Size (W*D*H) | 2239.15mm*103.05mm*1315.75mm |
| Package Size (W*D*H) | 2525mm*435mm*1750mm |
| VESA Hole | 4*M8 800mm*600mm |
| Frame Material | Aluminum/Sheet Metal |
| Frame Color | Gray |
| Language | |
| OSD Menu | Simplified Chinese/English, etc |
| Accessories | |

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|--------------------------------------|----|
| Writing pen | *2 |
| Remote Control | *1 |
| Expansion Screw | *8 |
| Wall Mount | *1 |
| User Manual | *1 |
| Certificate of quality/Warranty card | *1 |
| Power Cable | *1 |
| Touch Cable | *1 |
| HDMI Cable | *1 |

3. Touch Frame Specifications

3.1 Product overview

- High precision of infrared touch frame, resolution by interpolation algorithm can be as high as 32768*32768;
- Support 20-point touch

3.2 Main parameter

| | |
|--------------------------------|------------------------|
| Sensing Type | Infrared Touch |
| Surface Protection | 4mm AG Toughened glass |
| Maximum touch points | 20 |
| Response Time | ≤8ms |
| Interpolation Resolution | 32768*32768 |
| Touch Accuracy | ±1mm |
| Minimum identifying object | 2mm |
| Two-point identifying distance | > 18mm |
| Output Form | HID standard |
| Theoretical Clicks | Theoretical Clicks |
| Interface Type | USB 2.0 +UART |



| | |
|-----------------|----------|
| Working Voltage | DC+5V±5% |
| Power | ≤2.5W |

3.3 Operating system and software

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| Multi-touch supported operating system | Multi-touch: Windows 7/8/10/11、 Android Single-touch: Windows XP、 Mac OS X、 Chrome、 Linux |
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