

Product Model: 98M3A

Technical Specification

一、Product characteristics

1. System properties

- Equipped with Android 8.0 Smart OS and a unique user interface design;
- 3GB internal cache + 32GB internal storage, for faster operating speeds;

2. Exterior and smart touch:

- The exterior features four minimalist arc-shaped edges; the WIFI and Bluetooth antennas adopt a forward, hidden design;
- Front-disassembly, high-precision, infrared touch frame with touch precision of $\pm 1\text{mm}$ and touch height of 2.0mm, highly sensitive, supports 20 touch points;
- Equipped with an OPS interface and a scalable dual system; a dual USB interface with dual system compatibility; a dual network interface for device switching;

3. Whiteboard writing:

- High performance writing software that supports single and multi-point writing with improved writing effects with the pen, so that users can annotate on any interface and any channel;
- Uses AG anti-glare tempered glass, with a Mohs hardness scale of 7, providing a better writing experience;

4. Conference training:

- Built-in dual 2.4G/5.8G frequency, dual network cards, supports simultaneous use of the wireless network connection and WiFi hotspot;
- Bluetooth function to connect wirelessly with and transfer data to phones, speakers, and other Bluetooth-enabled devices; supports wireless connection with printers for printing documents;
- Wireless screen-casting, supports casting to multiple screens, features reverse mirror control, remote snapshots, file sharing, wireless speaking, wireless control, etc.;
- Built-in WPS, conference timer, welcome remarks, scoring and voting systems, and other high-efficiency conferencing software;

5. Commercial display:

- High definition image processing engine: image motion compensation, color enhancement processing, point-to-point precision technology;
- All-channel output function: real-time, high-definition, stable, and low-latency output to expansion units;
- Featuring an all-new welcome screen, live apps, background music, and wall messaging;
- Customized boot screens; the local media player supports automatic classification to meet the needs of a variety of occasions;



二、 Main Specification Parameters

2.1 Specification overview

Certification	Certification model	98M3A
Display	Size	97.52"
	Backlight type	D-LED
	Resolution	3840*2160 (UHD)
	Brightness	460cd/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(x% NTSC)	70%
	View area	2158.848mm*1214.352mm
	Display colors	1.07B(10bit)
	Life time	30,000 hrs
System	Operation system	Android 8.0
	CPU Architecture	ARM A73+A53
	CPU Working Frequency	1.5GHz
	CPU Core	Quad Core
	GPU	Mali-G51
	RAM	3GB DDR4

	ROM	32GB Standard
Power	Voltage	100 V ~ 240 V/AC, 50/60 Hz
	Power consumption without OPS	550W
	OPS Power	18V(DC)/5A
	Power consumption in standby mode	<0.5W
	Power (AC) input	*1
Function	Audio Output Power	15W * 2
	WIFI	Support
	Bluetooth	Support
Interface	HDMI In	*2
	DP In	*1
	VGA In	*1
	OPS (Optional)	*1
	LAN	*2
	Android USB	*2
	Public USB	*2
	Touch-USB	*1
	PC-Audio In	*1
	HDMI Out	*1
	S/PDIF Out	*1
	Audio Out	*1
Environment	RS232 In	*1
	Working Temperature	0°C ~ 40°C
	Storage Temperature	-10°C ~ 60°C
	Working Humidity	20% ~ 80%
	Storage Humidity	10% ~ 80%
	Image Model	Standard、Computer、Gorgeous、Bright、Soft、Nature、Exercise、Game、Automatic、Users

	The longest service time(Hour*Day)	18Hours*7days
Structure	Net Weight	128Kg±1.5Kg
	Gross Weight	179Kg±1.5Kg(Heavy Carton)
	Product Size (W*D*H)	2244.88mm*117.2mm*1300.38mm
	Package Size (W*D*H)	2525mm*435mm*1750mm(Heavy Carton)
	VESA	4-M8 Screw Hole 800mm*600mm
	Housing Material (Surface Frame /Back Cover)	Aluminum/Sheet Metal
	Housing Color (Surface Frame /Back Cover)	Gray/Black
Accessories	Pen	*2
	Remote Control	*1
	Expansion Screw	*8
	USB Disk	*1
	User Manual	*1
	Certificate of quality/Warranty card	*1
	HDMI Cable	*1
	Touch Cable	*1
	Power Cord	*1
	USB Extension Cable	*1

2.2 The Interface Distribution

The right side of the back: Public-USB\Public-USB\HDMI-OUT\SPDIF\Touch-USB\USB2.0 \USB2.0 \DP\HDMI1\HDMI2

The right lower side of the back :LAN1\LAN2\RS232\Audio OUT\ PC-Audio\VGA

三、Touch Frame Specifications

3.1 Product Overview

High precision of infrared touch frame, resolution by interpolation algorithm can be as high as 32768 x32768;

Support Plug and Play;

Support 20 Points Infrared Touch

3.2 Main specification parameters

Touch System	Sensing Type	Infrared Touch Frame
	Surface protection	4mm AG Toughened glass
	Response Time	<10ms
	Touch Accuracy	More than 90% of the touch area of plus or minus 1mm
	Minimum Touch Diameter	≥1.6mm(Single-point); ≥3mm(Multipoint)
	Input Mode	Finger or Pen
	Output Form	HID Standard
	Theory Clicks	Unlimited

3.3 Electrical Specification

Interface Type	USB2.0 at full speed
Working Voltage	DC+5V±5%
Power Consumption	≤2W

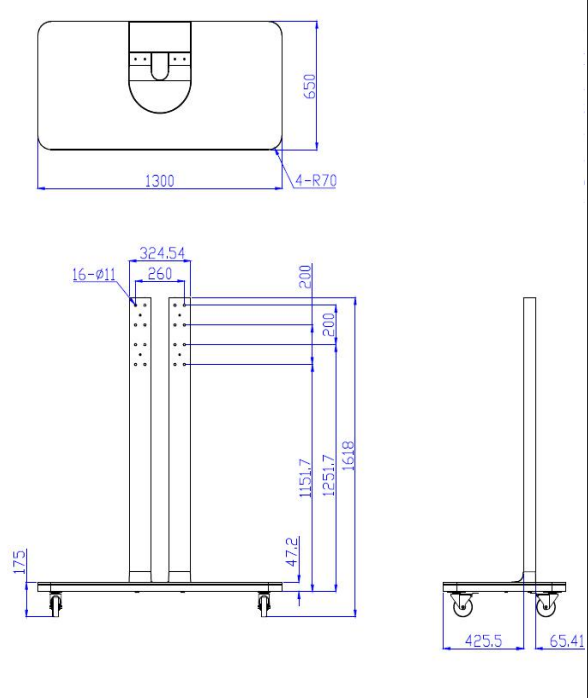
3.4 Operating system and software

Multi-touch supported operating system	Multi-touch: Windows 7/8/10、Android、Linux Single-touch: Windows XP、Mac OS X、Chrome
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Product Model: Mobile Base for Flat-panel Display HK90



一、Specifications

Hole distance: 260*200mm	 <p>Technical drawing showing dimensions for the mobile base:</p> <ul style="list-style-type: none"> Top view: 1300mm width, 650mm height, 4-R70 radius. Front view: 175mm base width, 16-Ø11 holes, 260mm hole distance, 324.54mm pole distance, 200mm pole diameter, 1151.7mm pole height, 47.2mm base offset, 1251.7mm total height, 1618mm total height. Side view: 425.5mm base width, 65.41mm base offset.
Size of display/TV to be mounted: 86"-98"	
Max. Load bearing: 260KG	
Product Size: 1618*1300*650mm	
Package Size: 1480*711*226mm	
Net Weight: 89.5Kg±1.0Kg	
Gross Weight: 95Kg±1.0Kg	
Color: Black & Silver	
Material: High quality carbon steel & Tempered glass	
The castors are 4" with foot brake	

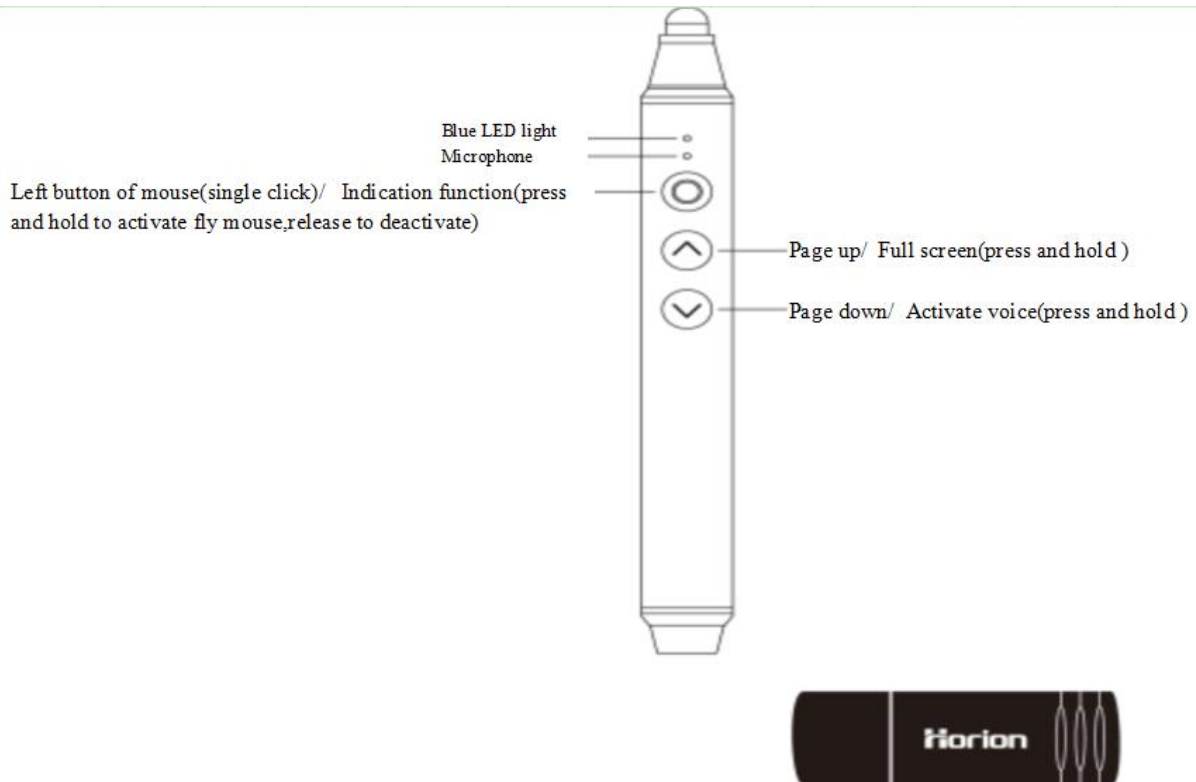
Product Model: Smart Pen HP-2



一、 Hardware specifications

Item	Description
Wireless technology	RF 2.4GHZ, Max.15m in open environment
Mouse	Smart anti-shaking algorithm: Six-axis air mouse
Power	200mAh polymer lithium battery, operating voltage: 3.7-4.2V Power charging interface: Micro USB
Compatible interfaces	USB3.0/2.0/1.1 supported
System requirement	Windows7/8/VISTA/2000/XP, Mac OS 10.0 and updated versions, Android 4.0 and updated versions, fly mouse and page turning functions are supported only in Android/Mac OS/Linux

二、Functions



Function Description
1、LED light: ① For operation status: it comes on when a button is pressed; ② For low voltage status: it flashes quickly in low battery; ③ For charging status: it flashes slowly during charging; ④ For fully charged status: it is solid on when the battery is fully charged;)
2、 Left button of the mouse (single click), fly mouse (press and hold to activate fly mouse, release to deactivate fly mouse)
3、 Page up (press once to turn one page up) / full screen, exit (press & hold to go to full screen, press & hold again to exit full screen)
4、 Page down (press once to turn one page down), voice (press and hold to active voice, release to deactivate voice)
5、 Receiver

Product Model: Wireless Mirroring Device HT-2



一、Specifications

1、Basic specifications

Transmission protocols	Customized protocol, AirPlay
Compatibility	Windows7/8/10, Android5.0 and above versions, iOS 9.0 and above versions, Mac OSX10.8 and above versions
Wireless protocol	802.11AC
Drive	Not required
Frequency band	5G (2.4G compatible)
Delay	Average delay 150ms (mouse delay <55ms)
Resolution	1080P max.
FPS	30fps max.
Transmission range	>15m@1080p
Sound	Synchronized A/V
Touch post-back	10-point touch post-back supported
Mouse post-back	Supported
Capacity	8 terminals
Encryption	WPA2 PSK

2、Software specifications

Main function	After pairing, a symbol for screen mirroring is displayed at the top left of the flat-panel display, click it to switch to screen mirroring.
PPT page turning	Gesture operation, built-in icon operation, easy and convenient
Android screen mirroring	Mirror screen of Android cell phone and pad to a large screen
Windows screen mirroring	Mirror Windows PC screen to a large screen
Mac book screen mirroring	Mirror Mac book screen to a large screen
Video pushing	Push videos to a large screen, the volume and progress can be controlled on the original screen)

Music pushing	Push music to a large screen, the volume and progress can be controlled on the original screen
Image pushing	Push images to a large screen, the images can be zoomed in real time on the original screen
Camera	The camera on the phone can be shared in real-time

3、Specifications of mirroring device

Supporting system	Windows7/8/9, Mac OS10
Transmission delay	Average <150ms, generally <120ms
Power consumption	DC 5V/500mA
Frequency band	5GHZ/2.4GHZ
Wireless transmission protocols	802.11a/ac/b/g/n
Connection method	USB2.0/3.0
Mode of operation	One key mirroring

4、Indicator lights

The blue light flashes	When it is inserted into the flat-panel display and is pairing When it is inserted into PC and is connecting to the flat-panel display
The blue light is on in high illuminance	When it is inserted into the flat-panel display and software update on the flat-panel display is finished, and it can be removed from the display When it is inserted into PC and the connection between the PC and flat-panel display has been established and mirroring is available
The blue light is on in low illuminance	When it is mirroring