Horion

Specification of interactive flat panel

Product Categories：Interactive flat panel

Product Model：75M5APro

Date：2022.01

Horion

1. Product characteristics

1.1 System properties:

- Equipped with Android 11 Smart OS and a unique user interface design;
  8GB internal cache + 64GB internal storage, for faster operating speeds;

1.2 Exterior and smart touch:

- Grey-color business appearance, four-corner arc design, safe and reliable; front USB interface that can be shared by dual systems, convenient operation;

- There are 2 USB ports available in the front of board which support dual operating system, and 1 Type-C port, which is convenient to operate;

- The distance between the tempered glass and the screen is close to 0, which can effectively prevent light reflection, the display effect and the writing experience are excellent;

- High-precision infrared touch frame, touch accuracy ±1mm, touch height 2.0mm, support 20-point touch, high sensitivity;

- With OPS interface, it can expand dual system; dual network port design can realize switch function;

1.3 Whiteboard writing:

- 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 3.2mm AG anti-glare tempered glass, Mohs hardness level 7, better writing experience;

1.4 Conference & Training：

- Built-in 13 Megapixel camera and 8-channel array microphone, making remote meetings more convenient and efficient;

- Built-in NFC function, with smart pen, the whiteboard function can be called up at any time;

- Built-in 2.4G/5.8G dual-band dual-network card, supports simultaneous use of wireless Internet access and WIFI hotspot, and the antenna adopts a front hidden design;

- Bluetooth function, which can wirelessly connect to Bluetooth devices such as mobile phones/stereos to transmit data; and supports wireless connection with printing devices for printing;Huawei case+

1.5 Commercial Display:

- High-definition image processing engine: image motion compensation, color enhancement processing, point-to-point precision display technology;

- Full-channel output function: output real-time images with high-definition, stable and low-latency to the expansion device;

- Horion conference central management to meet the needs of different scenarios;

2. Main Specification Parameters

2.1 Specification overview:

Display	
Certification	75M5APro
Size	74.5"
Backlight type	D-LED
Resolution	3840*2160 (UHD) (RGB)
Brightness	450cd/m²
Contrast ratio	4000:1 (Dynamic Contrast)
Response time	8ms
Pixel pitch	0.4296mm*0.4296mm
Refreshing frequency	60Hz
Viewing angle	178°(H) / 178°(V)
Color gamut (x% NTSC)	72%
View area	1649.664mm*927.936mm
Display colors	1.07B 10bit
Life time	50,000 hrs
System	
Solution	MT9950-K8A
Operation system	Android 11
CPU Architecture	ARM A73
CPU Working Frequency	1.8GHz
CPU Core	Quad Core
GPU	Mali-G52
RAM	8GB
ROM	64GB Standard
Power	

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Voltage	100 V ~ 240 V/AC, 50/60 Hz
Power consumption without OPS	220W
OPS Power	18V(DC)/5A
Power consumption in standby mode	<0.5W
Power (AC) input	*1
Camera	
Pixel	13M
FOV	DIAGONAL 78 ˚
Focusing form	FIXED
Array Mic	
MIC Category	8pcs omnidirectional silicon wheat
Pick-up Distance	8M
Pick-up Angle	180 ˚
Function	
Audio Output Power	15W * 2
WIFI	Support
NFC	Support
Bluetooth	Support
Interface	
HDMI In	*2
DP In	*1
VGA In	*1
OPS (Optional)	*1
LAN	*2
Type-C	*1
USB 2.0	*3
USB 3.0	*2

Touch-USB	*1
MIC In	*1
HDMI Out	*1
S/PDIF Out	*1
Audio OUT	*1
RS232 In	*1
Environment	
Working Temperature	0℃ ~ 40℃
Storage Temperature	-10℃ ~ 60℃
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	50Kg±1.5Kg
Gross Weight	70Kg±1.5Kg (Heavy Carton)
Product Size (W*D*H)	1722.41mm*87.08mm*1022.15mm
Package Size (W*D*H)	1880mm*280mm*1160mm (Heavy Carton)
VESA	4-M8 Screw Hole 800mm*400mm
Housing Material (Surface Frame /Back Cover)	Aluminum/Sheet Metal
Housing Color (Surface Frame /Back Cover)	Gray(White)/Black
Accessories	
Wall-mounted bracket	*1
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: HDMI-OUT\SPDIF\Touch-USB\USB2.0 \USB3.0 \DP\HDMI2\HDMI1;

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

- The left side of the front: Public-USB\Public-USB\Type-c;

3. Touch Frame Specifications

3.1 Product Overview:

- High precision of infrared touch frame,resolution by interpolation algorithm can be as high as 32767 x32767;

- Support Plug and Play;

- Support 20 Points Infrared Touch;

3.2 Main specification parameters:

3.3

Touch System	Sensing Type	Infrared Touch Frame
	Surface protection	3.2mm AG Toughened glass
	Response Time	<8ms
	Touch Accuracy	More than 90% of the touch area of plus or minus 1mm
	Minimum Touch Diameter	≥1.6mm(Single-point); ≥2mm(Multipoint)
	Input Mode	Finger or Pen
	Output Form	HID Standard
	Theory Clicks	Unlimited

Electrical Specification:

Interface Type	USB3.0 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