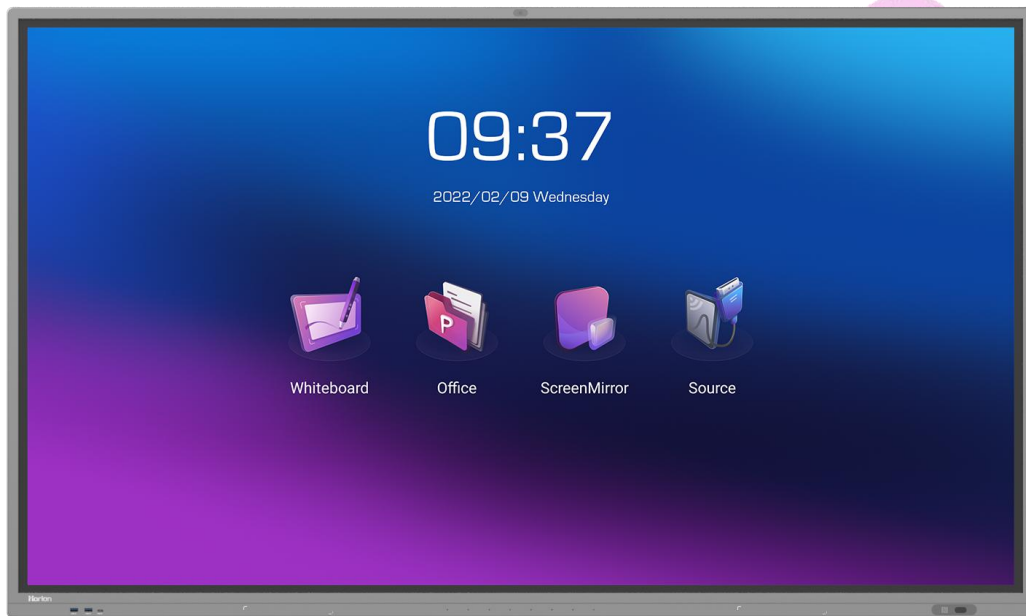# Specification of interactive flat panel

Product Categories：Interactive flat panel

Product Model：75M5APro

Date：2022.2

1. Product characteristics

1.1 System properties

- Equipped with Android 9.0 Smart OS and a unique 4K UI user interface design;

- 8GB internal cache + 64GB internal storage, for faster operating speeds;

1.2 Exterior and smart touch

- Gun-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, support 20-point touch, high sensitivity;

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

- The distance between the toughened glass and the screen is close to 0, effectively preventing light reflection, excellent display effect, and excellent writing experience;

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;

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
Brand	3840*2160
Brightness	350cd/m²
Contrast ratio	1200:1
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	30,000 hrs
System	
Solution	MT9950
Operation system	Android 9.0
CPU Architecture	ARM A73
CPU Working Frequency	1.8GHz
CPU Core	Quad Core
GPU	Mali-G52
RAM	8GB
ROM	64GB
Power	

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Voltage	100 V ~ 240 V/AC, 50/60 Hz
Power consumption without OPS	300W
OPS Power	18V(DC)/5A
Power consumption in standby mode	<0.5W
Power（AC）input	*1
Camera	
Pixel	13M
FOV	DIAGONAL 85.4±3°
Focus form	Fixed focus
Array Mic	
MIC Category	8pcs omnidirectional silicon wheat
Pick-up Distance	8m
Pick-up Angle	180°
Function	
Audio Output Power	10W * 2
WIFI	Support
NFC	Support
Bluetooth	Support Bluetooth5.0
Interface	
HDMI-IN	*2
DP-IN	*1
VGA-IN	*1
Audio-IN	*1
USB 2.0	*1
USB 3.0	*4
Touch-USB	*1
MIC-IN	*1
SPDIF-OUT	*1

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HDMI-OUT	*1
Audio-OUT	*1
Type-C	*1
RS232 In	*1
Environment	
Working Temperature	0℃～40℃
Storage Temperature	-10℃～60℃
Working Humidity	20%～80%
Storage Humidity	10%～80%
Work Altitude	≤5000m
The longest service time(Hour*Day)	18Hours*7days
Structure	
Net Weight	50kg±1.5kg
Gross Weight	65kg±1.5kg
Product Size（W*D*H）	1722.41mm*87.08mm*1022.15mm
Package Size（W*D*H）	1900mm*225mm*1125mm
VESA	4*M8 Screw Hole 600mm*400mm
Housing Material（Surface Frame /Back Cover）	Aluminum/Sheet Metal
Housing Color（Surface Frame /Back Cover）	Gray(White)/Black
Accessories	
Pen	*2
Remote Control	*1
Expansion Screw	*8
User Manual	*1
Certificate of quality/Warranty card	*1
HDMI Cable	*1
Touch Cable	*1

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Power 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 Plug and Play;

- Support 20 Points Infrared Touch;

3.2 Main specification parameters

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(Multi-point)
Number of theoretical clicks	Unlimited
Interface Type	USB
Working Voltage	DC+5V±5%
Power Consumption	≤2W

3.3 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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