Interactive Flat Panel
D9 PRO series 86inch

Model: DSY-86D9

I Product overview

1. System

- Equipped with Android 11.0 intelligent operating system and unique 4K UI design, all interface UI resolutions are 4K UHD;
- Quad-core high-performance CPU, CA55*4 2.0GHz;

2. Appearance and smart touch

- Ultra-slim 12mm three equal frames design, overall appearance (all black/dark iron gray) matte material;
- Support high-speed IR 20 points touch, ±2mm accuracy, 1.0mm touch height, front detachable touch module with high sensitivity;
- With OPS slot, support dual system; three front USB ports support both computer and Android;
- Front Type-C interface has multi-function expansions: high-definition video transmission, USB transparent transmission, touch transparent transmission, external device network transparent transmission, 5V/1A power supply (The extremely convenient multi-device link is simple and efficient, making the meeting easier);
- Front pen absorbing slot, without screw, simple operation;
- Support a network cable for Andriod and OPS at the same time;
- Once connected with external USB, the system automatically enters the secret mode and it could only be unlocked by entering the password to better protect the file security
- Hardware self-inspection does not require a PC. The whole machine can perform hardware self-inspection to detect the network, RTC, temperature, light sensor, touch, system memory, OPS and other modules.It would give tips on causes of problems for different modules.

3. Whiteboard function

- 4K UHD resolution writing, delicate strokes;
- High-performance writing software, support single-point and multi-point writing, increase pen writing effect, etc., support whiteboard to insert pictures, add pages, gesture board scroll, zoom in, zoom out

and roaming. You could scan code to share, comments and other functions can be performed under any interface of any channel;

● The whiteboard page is infinitely zoomed, and can be undone and restored without any limit;

● Explosion-proof tempered glass, Mohs grade 7 hardness, safe and secure, with better writing experience; (4mm explosion-proof tempered anti-glare glass)

4. For meeting and education

● Built-in WPS, welcome interface and other efficient meeting software;
● External input signal source automatically recognizes and switches, easy and convenient;

5. For commercial display

● HD image processing: image motion compensation, color enhancement processing, point-to-point precision display technology;

● Intelligent all-in-one machine, floating menu three-finger touch screen to follow, five-finger touch screen to sleep;

● Customize the startup screen, theme and background. Local media player supports automatic classification to meet the needs of different application;

● Sidebar buttons, gestures to call out small window functions: voting, timer, screen capture, child lock, screen recording, taking pictures, touch sensing, smart eye protection, etc., and touch control switches are free to switch;

● It is compatible with the APK software of the external letter sending system, which can remotely publish videos, pictures, rolling subtitles, and can be used for display promotion, conference information, exhibition information, company introduction, school course introduction, hospital information introduction and etc.

II Product Parameter

1. Specification

Screen	Size	86"
	Backlight type	D-LED
	Resolution	3840*2160
	Brightness	350cd/m²
	Contrast ratio	4000:1

	Response time	8ms	
	Dot pitch	0.4935×0.4935 mm (H×V)	
	Refresh rate	60 Hz	
	View Angle	178°(H) / 178°(V)	
	Saturation (x% NTSC)	72 %	
	Display area	1895.04(H)×1065.96(V)mm	
	Colors	1.07B(8bit)	
	Screen life	30,000 hrs	
Chipboard	Chip set	T982	
System properties	OS	Android 11.0	
	CPU architecture	CA55*4	
	CPU work frequency	1.9 GHz	
	CPU core	Quad-core，GPU -Mali G52mp2	
	RAM	4G /8 GB DDR4	
	ROM	32G /128GB Standard	
Power supply	Input voltage	100 V ~ 240 V/AC, 50/60 Hz	
	Max consumption(without OPS)	≦280W	
	OPS power input	19V(DC)/5A	
	Standby consumption	<0.5W	
	Power input port (AC)	*1	
Function	Speaker power	8Ω/10W*2（6Ω/18W*2 for option）	
	Power switch	*1	
Camera	12Mega pixel built-in camera		
Microphone	8 arrays microphone, pick up distance 5-8meter (max 10 meter)		
Interface	LAN	*1	
	AV IN	*1	
	HDMI2.0	*2	
	RS232	*1	
	TF-card	*1	
	USB2.0	*1	

	USB3.0	*1
	AV OUT	*1
	Earphone	*1
	coaxial(RCA)	*1
	Touch	*1
	HDMI OUT	*1（Optional）
	HDMI 2.0	*1（front）
	USB3.0	*3（front）
	Recovery system	*1（front）
	Light sense	*1（front）
	Type-C	*1（front）
	Touch usb	*1（front）
Environment	Working TEMP	0℃～40℃
	Storage TEMP	-10℃～60℃
	Working humidity	20%～80%
	Storage humidity	10%～60%
	Recommended max usage time(hours*days)	18Hours*7days
Structure	N/W	66Kg±1.5Kg
	G/W	82Kg±1.5Kg(Heavy carton)
	Product dimension (L*W*H)	1953.56*1177.92*88.3mm
	Packing dimension (L*W*H)	2095*220*1320mm(Heavy carton)
	VESA hole site	4-M8 hole site 400mm*200mm
	Frame & shell material	Aluminum /sheet metal
	Frame & shell color	All black or dark iron gray
Language	OSD menu	English ,Spanish, Germany, Korea etc more than 10 languages
Accessories	HDMI cable 3M	*1
	Touch USB cable 3M	*1
	Whiteboard pen	*2
	Remote controller	*1

	User manual (PDF file)	*1
	Power Cord	*1
	Wall mount rack (including screws)	*1（set）

III Touch and write parameter

1. Product description

High-precision infrared touch frame; by interpolation algorithm the resolution can be up to 32768*32768; support plug and play; support 20 points touch.

2. Main parameter

	Touch type	IR
	Glass type	4mm explosion-proof tempered anti-glare glass
	Response time	≤6ms
Touch parameter	Touch accuracy	90% Central area accuracy±1mm，10% Edge area accuracy±3mm
	Touch diameter	≥3mm
	Input method	Finger or pen
	Theoretical touch times	Unlimited
Interface	USB 2.0Full speed	
Power	4.75～5.25V	
Consumption	≤2 W	

Product structure diagram(wall hanging hole 400*200)