Interactive Flat Panel
D9 PRO series
86inch (Customized)

Model: DSY-86D9 (C)

* This file contains all the parameter data information. The parameter information of this series of standard models does not represent all the parameters and data of our series. The actual parameter data should be based on the specific model signed with the sale.

Customized Features:

- **NFC function:** - By adding a NFC module to the front panel of D9 PRO, users can use the NFC card to power on/off the screen instead of traditional power button. In this situation, the power button will not work anymore, only the person with NFC card can turn on the smart board. It prevents unauthorized personnel from using the power button to turn on the device.

- **Finger print function** -There is a smart fingerprint energy-saving lock on the front panel.After the fingerprint is recognized, the screen turns off (smart board stand-by, not power offer) and enters the energy-saving mode. After the fingerprint is unlocked, smart board starts to work.

- **Screen Brightness Auto-adjusting** according to environment light brightness. D9 PRO has a built-in light sensor, the smart board can detect different light intensities and automatically adjust the screen brightness to achieve different brightness display effects in different lighting environments.

- **Zero-bong IR touch technology:** The latest infrared touch panel zero bonding technology greatly reduce the gap between LCD panel and touch screen frame, making IR touch and writing experience more powerful, smoother and more natural.

- **Built-in 48 Megapixel camera and 8 arrays microphone:** Highest 48Megapixel camera auto-focus and built-in 8arrays microphone which pick up distance up to Max 10 meters.

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;

- It has 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 digital whiteboard built-in. Handwriting has a 4K ultra-high-definition resolution, 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;

- Built-in 2.4G/5G screen projection(wireless mirroring) module, supports simultaneous use of wireless Internet access WIFI and hotspot.

- Supports multi- screens mirroring to the smart board at the same time. And smart board can control the laptop screen in reverse.

- Automatically recognizes and switches to external input signal source , easy to use.

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	75"
	Backlight type	D-LED
	Resolution	3840*2160
	Brightness	350cd/m²
	Contrast ratio	4000:1
	Response time	8ms
	Dot pitch	0.4935 mm x 0.4935 mm
	Refresh rate	60 Hz
	View Angle	178°(H) / 178°(V)
	Saturation (x% NTSC)	70 %
	Display area	1895.04(H)×1065.96(V)mm
	Colors	1.07B(8bit)
	Screen life	50,000 hrs
Chipboard	Chip set	Amlogic T982
System properties	OS	Android 11.0
	CPU architecture	A55*4
	CPU work frequency	1.9 GHz
	CPU core	Quad-core
	RAM	DDR4 8 GB
	ROM	Emmc 128GB
Power supply	Input voltage	100 V ~ 240 V/AC, 50/60 Hz
	Max consumption(without OPS)	≤420W
	OPS power input	19V(DC)/5A
	Standby consumption	<0.5W
	Power input port (AC)	*1
Function	Speaker power	8Ω/10W*2
	Power switch	*1
Camera	48 Mega pixel built-in camera (4K resolution, and compatible with 3840x2164, 1920x1080, 1280x720, 640x480)	
	FOV(D) Angle of View: Fixed focus wide angle 120 degrees	

Microphone	8 arrays microphone, pick up distance 5-10meter (max 10 meter)	
NFC Module	Chip capacity	1K*8 Bits
	Working Frequency	13.56MHz
	Working distance	Less than 10cm
Interface	COAX OUT	*1
	AV IN	*1
	AV OUT	*1
	Earphone out	*1
	RJ45 IN	*1
	HDMI2.0	*2
	HDMI 2.0	*1(front)
	RS232	*1
	TF-card	*1
	USB2.0	*1
	USB3.0	*1
	USB3.0	*3(front)
	coaxial(RCA)	*1
	USB Touch	*1
	USB Touch	*1(front)
	HDMI OUT	*1
	Light sense	*1(front)
	Type-C	*1(front)
Environment	Working TEMP	0 ~ 40 Centigrade
	Storage TEMP	-10 ~ 60 Centigrade
	Working humidity	20% ~ 80%
	Storage humidity	10% ~ 60%
	Recommended max usage time(hours*days)	18Hours*7days
Structure	N/W	TBD
	G/W	TBD
	Product dimension (L*W*H)	1953.5MM*1190.4MM*93MM
	Packing dimension (L*W*H)	2095MM*220MM*1320MM
	VESA hole site	4-M8 hole site 800mm*400mm

	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
	NFC card	*2

	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 in Android and Windows system.

2. Main parameter

	Touch type	IR
Touch parameter	Glass type	4mm explosion-proof tempered anti-glare glass
	Response time	≤6ms
	Touch accuracy	≤±1mm
	Touch diameter	≥2mm
	Input method	Finger or stylus writing pen (or opaque items not sharp)
	Theoretical touch times	Unlimited
Interface		USB 2.0 Full speed
Power		4.75-5.25V
Consumption		≤1.5 W

Product structure diagram(wall hanging hole 800*400)