DS-D5C86RB/HLite
86-inch 4K Interactive Display

The Hikvision Interactive Flat Panel is a kind of newly developed intelligent teaching assistance product which integrates with the latest technologies of touch control, HD display, video processing, network communication, interactive control, sound control. It can be widely applied to the classroom, online teaching, training center, etc.

- UHD 4K display with resolution of 3840 × 2160.

- Anti-glare and anti-blocking design to ensure smooth interaction.

- Dual systems of Android and Windows (optional with OPS) saving cost and easy to use, video conference software are recommended to run under Windows system.

- Quick response, at most 50-point touch control and smooth writing experience.

- Built-in network switch chip saves a network switch.

- Multi-button design in front, convenient for classroom use.

- All-in-one design with tempered glass and intelligent temperature control, making it environmental-friendly and safety-guaranteed.

- Built-in Android 14 system, EDLA Certified

▪ Specification

Product Model	
Product Model	DS-D5C86RB/HLite
Display	
Screen Size	86 inch
Backlight	DLED
Pixel Pitch	0.164 (H) × 0.493 (V) mm
Resolution	3840 × 2160 @60 Hz
Brightness	450 cd/m² (Max.)
Color Depth	10 bit
Display Color	1.07 G
Response Time	5 ms
Panel Type	VA
Contrast Ratio	5000:1 (Static) 30,000:1 (Dynamic)
Color Gamut	72% NTSC (CIE1931) (Typ.)
Refresh Rate	60 Hz
Viewing Angle	178° (H)/178° (V)
Aspect Ratio	16:9
Surface Hardness	9H (Pencil) 7 (Mohs)
Surface Glass	Anti-Glare Glass, Anti-Fingerprint and Tempered Glass
Surface Haze	25% Haze
Glass Bonding Method	Zero Lamination
Display Area	1895.04 (H) × 1065.96　(V)
Working Duration	7 × 16 H
Transmittance	88% ± 3
Lifespan	50,000 hours
Touch	
Type	Infrared Touch Screen
Touch Surface Technology	Zero Bonding
Protection	3.2mm antiglare
Touch Screen Writing Tools	Nano Pen (>2mm width)
Transparency	>88%
Touch Point	Up to 50-point multi-touch (Android, Windows)
Touch Response Time	≤ 5 ms
Minimum Touch Object	≥ 2 mm (≥ 90% touching area)
Touch Precision	± 1 mm (≥ 90% touching area)
Touch Resolution	32768 × 32768
Built-in System	
Operation System	Android 14.0
Memory	8 GB DDR4
Built-in Storage	128 GB

| Processor	Quad-core Cortex-A72 × 4（2.2 GHz）and quad-core Cortex-A53 × 4（1.8 GHz）
GPU	Mali-G52 MC3
HDCP Version	2.3 & 2.0 & 1.4
Camera	
Pixel	Up to 50 MP for Photos (Android) Up to 8 MP for Video (Windows) Up to 2 MP for Video (Android)
Camera Function	Supports intelligent switching between Android system, OPS, and PC.
Field Angle	93.4° (diagonal), 85° (horizontal) , 54.1° (vertical)
Distortion	≤ 2.5%
Camera Resolution Ratio	Up to 4K
Internal Function	
Loudspeaker	Built-in 2 × 20 W loudspeaker; 80±5dB
Bluetooth	Built-in BLE (Bluetooth Low Energy) module supports Bluetooth 5.4
Speakers	Seamlessly Build-In The Display
NFC	Support card reader 13.56 MHz, (ISO 14443A/ ISO 14443B)
Light Sensor	Yes
Inbuilt Microphone into Display	
Mic Position	8-Mic Array - Upper Front
Distance	12m mic pickup
Interface	
Video & Audio Input	HDMI 2.0 × 3 （Front x 1; Rear x 2; Support HDCP2.3 & 2.2 & 1.4;HDMI1 Support CEC&ARC protocol） Audio × 1（Rear）
Video & audio output	Audio × 1（Rear） Audio Line out 3.5mm x1 RJ45 x 1, RS232 x1
Control interface	TOUCH-USB 2.0 × 1（Front × 1; Rear × 1） RS232 × 1（Rear） USB Type-C x2 USB 2.0 x1 USB 2.0 Type-B (Touch) x2, USB 3.0 x3 OPS slot for PC Module x1
Network Interface	LAN (100 Mbps) × 2（Rear） Wi-Fi AP & Station, 2.4 G/5 G Wi-Fi 6, IEEE 802.11 a/b/g/n/ac/ax　2 × 2 MIMO (2.4 GHz and 5 GHz) authentication protocols WEP, WPA, WPA2, PSK and 802.1X EAP
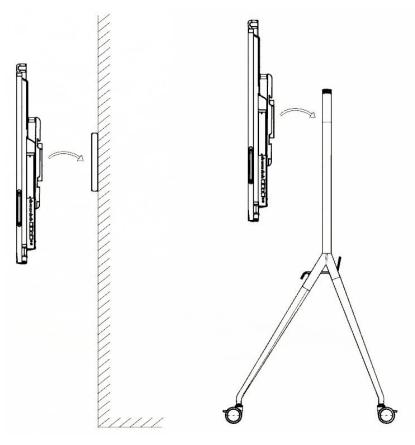
| Data Transmission Interface | USB 3.0 × 1 (Front × 2; Rear × 1) |
	USB 2.0 × 1 (Front × 1; Rear × 1)
	Type-C × 1 (Front × 1：Support USB 2.0)
	TF card slot × 1
	Plug and play USB Type-C (PD 65W) (transfer, audio, video, USB 3.0, display, touch, LAN Network Sharing and power)
Versatile Display Modes	Featuring split-screen (PBP), picture in picture (PIP) and multi-window modes.
Proximity Sensor	Yes
Smart Android System	
Multimedia File Formats Supported	Support all major types of multi-media files
White Board	Build-in white board (seamless writing) have WB Split option and equipped with a variety of tools and AI handwriting recognition in multiple languages, aiming to make the course more attractive Interactive teaching. Tools and resources to cover a wide range of subjects. Such as Professional ruler and compass tools, Periodic table of elements, PhET subject resources with in-built Google search / web search option, different pen color settings, highlighter, pre-defined shapes, pixel eraser / regional eraser, import & Export options, Sticky note etc. Supports various scenarios to present different teaching environments: such as explore the solar system in a single canvas, support inserting cloud drive resources into WB, Picture & video online searching, after the presentation the in-built WB have the option to send White annotation via email or save in internal memory or save in cloud or QR code scanner to export all the WB content into image / PDF
Screen share	WiFi based presentation software comes with inbuilt for in room presentation. Supports screen sharing between IFP and other devices (Mobile/Tab/Laptop/Desktop) within the same network with "two-way touch control" (casting to panel or view panel from laptop). Compatible with Well-Known Protocols (Airplay, Miracast, Chromecast, etc.).
	Maximum connectivity of BYOD devices - 6 users (Android & Win 6 user)
	Control - The setup should be in such a way that the presenter should have control of the GUI of this Remote Interactive Presentation Kit from the Touch Interactive Flat Panel Display (advanced permission management, privacy window filtering). Display capability - Equipment should have capability to display sources at a time
	system Supported – Win, Mac, ios, Android
AI Tools	AI Search for variety of knowledgeable answers.
	Live Subtitles for Converts system audio into subtitles, very useful when learning languages.
	Outline Navigator for When playing videos, an outline is displayed and allows you to quickly jump to any section of interest.
	AI Painter Generate sketch from lines/curves, or generate a detailed artwork from sketch.
Easy Access Cloud Accounts	Cloud drives can be accessed with just one QR verification without any additional login process. Once a lesson is finished, users can simply click the Logout button to disconnect, thus the risk of a
	personal information leak is reduced
App Store	User can download multiple applications from built-in app store
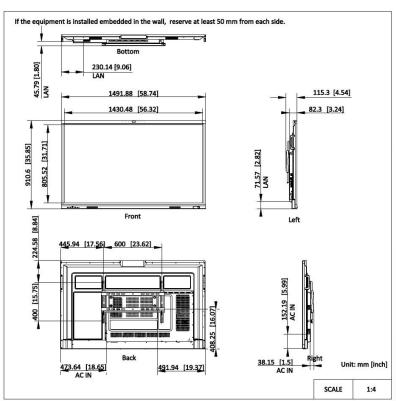
User Profile settings	AMS (Account Manage System) is for IT teams to manage school IFP assets or User can create their own profile
Blue light filter	Yes, Blue light contributes to digital eye strain
Palm Rejection	The palm rejection feature allows users to rest their hand on the screen while writing or drawing without unintended marks. This ensures a smooth and accurate touch experience, perfect for detailed work, presentations, or interactive lessons
TUV Rheinland Certified (Low blue light)	Yes
TUV Rheinland Certified (Flicker Free)	Yes
Wifi Module	Built-in minimum Wi-Fi 6 module, with a frequency range of 2.4/5 GHz
Power	
Power Supply	100 to 240 VAC, 50/60 Hz
Standby Consumption	≤ 0.5 W
Average Consumption	< 270 W
Working Environment	
Working Temperature	0 °C to 40 °C (32 °F to 104 °F)
Working Humidity	10%~90% RH
General	
VESA	800 mm × 600 mm (4 × M8-25 mm)
Accessory	Wall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5 M HDMI cable (2.0), power cable, remote control, screen cleaning cloth.
Package Dimensions (W × H × D)	2157 × 1345 × 223 mm
Net Weight	65.13 kg
Gross Weight	82.6 kg
Product Dimensions （With Wall Attachment）	1957.0 × 1156.5　× 110.6 mm
Product Dimensions （Without Wall Attachment）	1957.0 × 1156.5　× 83.2 mm

▪ **Installation**

If the equipment is installed embedded in the wall, reserve at least 50 mm from each side.

Bottom

45.79 [1.80]
LAN

230.14 [9.06]
LAN

1491.88 [58.74]

1430.48 [56.32]

115.3 [4.54]

82.3 [3.24]

910.6 [35.85]

805.52 [31.71]

71.57 [2.82]
LAN

Front

Left

224.58 [8.84]

445.94 [17.56]

600 [23.62]

400 [15.75]

408.25 [16.07]

152.19 [5.99]
AC IN

473.64 [18.65]
AC IN

491.94 [19.37]

Back

38.15 [1.5]
AC IN

Right

Unit: mm [inch]

| SCALE | 1:4 |

Ø 8.5 [0.33]

Ø 10 [0.39]

M6 [0.24]

28.95 [1.14]

406 [15.98]

158 [6.2]

508 [20]

26 [1.02]

430 [16.9]

222 [8.7]

654 [25.75]

Unit: mm [inch]

| SCALE | 1:1.25 |

▪ Accessory

DS-D5AC12T5-8S2 OPS Module	DS-D5AC12T7-16S5 OPS Module	DS-D5ABKE1-A50 65-75-86" Electric Conference Flat Panel Brackets	DS-D5ABKY3-SL Mobile Bracket, suitable for 55-75",cost-effective version