

DS-D5C86RO/A 86-inch Interactive Flat Panel



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 recommonded to run under Windows system.
- Quick response, at most 50-points touch control and smooth writing experience.
- Built-in network switch chip saves a network switch.
- All-in-one design with tempered glass and intelligent temperature control, making it environmental-friendly and safetyguaranteed, support blue light protection.
- EDLA Certified.
- Support Central Management by HikCentral.
- Support APP Auto-Launch.
- Remote Control supports: On/Off screen, Adjust Volume, Freeze Screen, Select Input, Touch Function On/Off, Menu Control, etc.
- Various of presentation tools: Magnifying Glass, Black Screen, Transparent Marker, Spotlight, etc.
- Whiteboard: Supports markers, chalk, fountain pen; Supports pen and hand Dual-color writing, Multi-touch writing, Text
  recognition, Shape recognition, Change background; Supports worksheet shifting and zooming in/out; Manipulation of
  objects by mirroring/rotating, locking, color-filling; Other tools like ruler, different shaping tools, etc.



## Specification

TypeInfrared Touch ScreenTouch PointUp to 50-point multi-touchTouch Response Time≤ 2 msMinimum Touch Object≥ 1.5 mm (≥ 90% touching area)Touch Precision± 0.5 mm (≥ 90% touching area)Touch Resolution32767 × 32767	Product Model				
Screen Size86 inchBacklightDLEDBonding MethodDLEDBonding Method0.1645 (H) × 0.4935 (V) mmResolution3840 × 2160 @60 HzBrightness400 c/m² (Typ.)Color Depth10 bitDisplay Color1.07 GResonse Time5msPanel TypeVAContrast Ratio5000:1 (Static)30,000:1 (Dynamic)30,000:1 (Dynamic)Color Gamut7% MTSC (DEI 1911) (Typ.)Refresh Rate60 HzVewing Angle178 'H/176' (V)Aspect Ratio16:9Surface Hardness7(Mohs)Surface GlassAnti-Glare GlassSurface GlassAnti-Glare GlassSurface Glass7.16 HTrasmittance88% ± 3Lifespan5000 hoursTouch Point1.05 (Southing area)TypeInfrared Touch ScreenTouch Point2.15 cm (290% touching area)Touch Point2.15 cm (290% touching area)Touch Response Time2.15 cm (290% touching area)Touch Response Time2.15 cm (290% touching area)Touch Response Time2.15 cm (290% touching area)Touch Response Time4.05 color cure	Product Model	DS-D5C86RO/A			
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	Built-in Storage	128 GB			
GPU Mali-G610 MC4	Processor	Quad-core Cortex-A76 $\times$ 4 (2.4 GHz) and quad-core Cortex-A55 $\times$ 4 (1.8 GHz)			
	GPU	Mali-G610 MC4			
HDCP Version 2.3	HDCP Version	2.3			

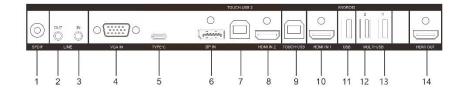


BluetoothBuilt-in BLE (Bluetooth Low Energy) module supports Bluetooth 5.1NFCSupport screen mirroring by Android phonesLight SensorYesInterfaceVideo & Audio InputHDMI In (HDMI 2.0) × 3, VGA In × 1, DP In (DP 1.2) × 1, Audio In × 1Video & audio outputHDMI Out (HDMI 2.0) × 1, Audio Out × 1, SPDIF Out × 1Control interfaceTOUCH-USB 3.0 × 3, R523 × 1Achar (1000 Mbps) × 2WIFI AP & Station, 2.4G/5GWIFI AP & Station, 2.4G/5GWIFI 6, IEEE 80.2.11 a/b/g/n/ac/ax 2 × 2 MIMO (2.4 GHz and 5 GHz) authentication protocols WEP, WPA, WPA2, PSK and 802.1X EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)Power100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 WAverage Consumption0 °C to 40 °C (32 °F to 104°F)Working Temperature0 °C to 40 °C (32 °F to 104°F)Working Temperature0 °C to 40 °C (32 °F to 104°F)Working Temperature0 °C to 40 °C (32 °F to 104°F)Verson0 °C to 40 °C (32 °F to 104°F)Product dimensions1960.44 mm × 1158.24 mm × 82.5 mmProduct dimensions1960.44 mm × 1158.24 mm × 82.5 mmProduct dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Internal Function			
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Light SensorYesInterfaceVideo & Audio InputHDMI In (HDMI 2.0) × 3, VGA In × 1, DP In (DP 1.2) × 1, Audio In × 1Video & audio outputHDMI Out (HDMI 2.0) × 1, Audio Out × 1, SPDIF Out × 1Control interfaceTOUCH-USB 3.0 × 3, RS232 × 1LAN (1000 Mbps) × 2WIFI AP & Station, 2.4G/SGWIFI AP & Station, 2.4G/SGWIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging futoxios, side charging 15 W, front charging 65 W)PowerPowerPower Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W	Bluetooth	Built-in BLE (Bluetooth Low Energy) module supports Bluetooth 5.1		
InterfaceVideo & Audio InputHDMI In (HDMI 2.0) × 3, VGA In × 1, DP In (DP 1.2) × 1, Audio In × 1Video & audio outputHDMI Out (HDMI 2.0) × 1, Audio Out × 1, SPDIF Out × 1Control interfaceTOUCH-USB 3.0 × 3, RS232 × 1LAN (1000 Mbps) × 2WIFI AP & Station, 2.4G/5GWIFI AP & Station, 2.4G/5GWIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging fructions; side charging 15 W, front charging 65 W)PowerPowerPower Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W	NFC	Support screen mirroring by Android phones		
Video & Audio InputHDMI In (HDMI 2.0) × 3, VGA In × 1, DP In (DP 1.2) × 1, Audio In × 1Video & audio outputHDMI Out (HDMI 2.0) × 1, Audio Out × 1, SPDIF Out × 1Control interfaceTOUCH-USB 3.0 × 3, RS232 × 1Control interfaceILAN (1000 Mbps) × 2WIFI AP & Station, 2.4G/5GWIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)PowerUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)Power Supply100 to 240 VAC, 50/60 HzStandby Consumption≤ 0.5 WAverage Consumption≤ 0.5 WAverage Consumption0 °C to 40 °C (32 °F to 104°F)Working Temperature0 °C to 40 °C (32 °F to 104°F)Working Humidity10%~90% RHGeneralUVESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm × 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable, bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight6.4.13 kg	Light Sensor	Yes		
Video & audio outputHDMI Out (HDMI 2.0) × 1, Audio Out × 1, SPDIF Out × 1Control interfaceTOUCH-USB 3.0 × 3, RS232 × 1LAN (1000 Mbps) × 2WIFI AP & Station, 2.4G/5GWIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)PowerUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)Power100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W	Interface			
Control interfaceTOUCH-USB 3.0 × 3, RS232 × 1LAN (1000 Mbps) × 2WIFI AP & Station, 2.4G/5GWIFI AP & Station, 2.4G/5GWIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)PowerUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)Power00 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W	Video & Audio Input	HDMI In (HDMI 2.0) × 3, VGA In × 1, DP In (DP 1.2) × 1, Audio In × 1		
Network InterfaceLAN (1000 Mbps) × 2 WIFI AP & Station, 2.4G/5G WIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)PowerUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)Power00 to 240 VAC, 50/60 HzStandby Consumption≤ 0.5 WAverage Consumption< 205W	Video & audio output	HDMI Out (HDMI 2.0) × 1, Audio Out × 1, SPDIF Out × 1		
Network InterfaceWIFI AP & Station, 2.4G/5G WIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)PowerPower Supply100 to 240 VAC, 50/60 HzStandby Consumption≤ 0.5 WAverage Consumption< 205W	Control interface	TOUCH-USB 3.0 × 3, RS232 × 1		
Network InterfaceWIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)PowerUOt 0 240 VAC, 50/60 HzPower Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W		LAN (1000 Mbps) × 2		
WIFI 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 EAPData Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)Power100 to 240 VAC, 50/60 HzPower Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W	Network Interface	WIFI AP & Station, 2.4G/5G		
Data Transmission InterfaceUSB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging functions; side charging 15 W, front charging 65 W)PowerPower Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 WAverage Consumption< 205WWorking Environment0 °C to 40 °C (32 °F to 104°F)Working Temperature0 °C to 40 °C (32 °F to 104°F)Working Humidity10%~90% RHGeneralVESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm× 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Network Interface	WIFI 6, IEEE 802.11 a/b/g/n/ac/ax 2 × 2 MIMO (2.4 GHz and 5 GHz) authentication		
Data Transmission Interfacefunctions; side charging 15 W, front charging 65 W)PowerPower Supply100 to 240 VAC, 50/60 HzStandby Consumption≤ 0.5 WAverage Consumption< 205WWorking EnvironmentWorking Temperature0 °C to 40 °C (32 °F to 104°F)Working Humidity10%~90% RHGeneralVESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm × 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Net Weight64.13 kg		protocols WEP, WPA, WPA2, PSK and 802.1X EAP		
Functions; side charging 15 W, front charging 65 W)PowerPower Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W	Data Transmission Interface	USB 3.0 × 4, USB 2.0 × 1, Type-C × 2 (Type-C supports USB 2.0, DP 1.2, and charging		
Power Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W		functions; side charging 15 W, front charging 65 W)		
Standby Consumption< 0.5 WAverage Consumption< 205W	Power			
Average Consumption< 205WWorking EnvironmentWorking Temperature0 °C to 40 °C (32 °F to 104°F)Working Humidity10%~90% RHGeneralVESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm × 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Power Supply	100 to 240 VAC, 50/60 Hz		
Working EnvironmentWorking Temperature0 °C to 40 °C (32 °F to 104°F)Working Humidity10%~90% RHGeneral800 mm × 600 mm (4 × M8-25 mm)VESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm× 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Standby Consumption	≤ 0.5 W		
Working Temperature0 °C to 40 °C (32 °F to 104°F)Working Humidity10%~90% RHGeneralVESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm× 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Average Consumption	< 205W		
Working Humidity10%~90% RHGeneralVESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm× 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Working Environment			
GeneralVESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm× 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Working Temperature	0 °C to 40 °C (32 °F to 104°F)		
VESA800 mm × 600 mm (4 × M8-25 mm)Product dimensions1960.44 mm × 1158.24 mm× 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Working Humidity	10%~90% RH		
Product dimensions1960.44 mm × 1158.24 mm × 82.5 mmAccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	General			
AccessoryWall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	VESA	800 mm × 600 mm (4 × M8-25 mm)		
Accessorycable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Product dimensions	1960.44 mm × 1158.24 mm× 82.5 mm		
Cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.Package Dimensions (W × H × D)2147 mm × 1335 mm × 213 mmNet Weight64.13 kg	Accessory	Wall mount bracket, hook, user manual, touch writing pen, packing list, 3 M touch USB		
Net Weight 64.13 kg		cable, 3.5M HDMI cable (2.0), power cable , bluetooth remote control.		
	Package Dimensions (W $\times$ H $\times$ D)	2147 mm × 1335 mm × 213 mm		
Gross Weight 81.6 kg	Net Weight	64.13 kg		
	Gross Weight	81.6 kg		

## Physical Interface

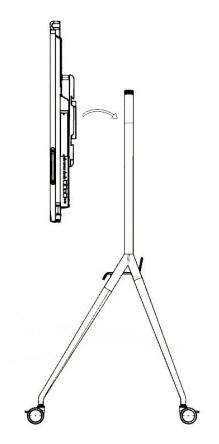
Interface	Description	Interface	Description
1.SPDIF	SPDIF interface	2.Line OUT	Audio output interface
3.Line IN	Audio input interface	4.VGA IN	Video devices connection interface
5.TYPE-C	Type-C interface	6.DP IN	Display input interface
7.TOUCH-USB 2	Peripheral touch interface	8.HDMI IN 2	HDMI 2 input interface
9.TOUCH-USB	Peripheral touch interface	10.HDMI IN 1	HDMI 1 input interface
11.USB	USB interface	12.MULTI-USB 2	Multi-functional USB interface
13.MULTI-USB 1	Multi-functional USB interface	14.HDMI OUT	HDMI output interface





### Installation

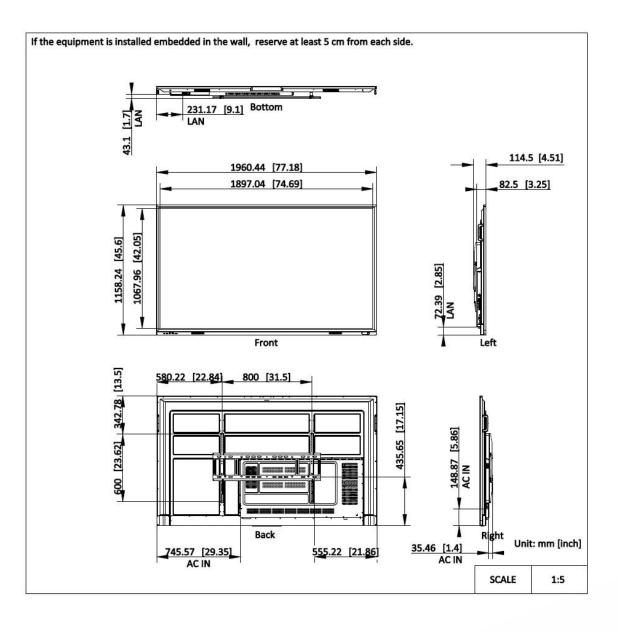




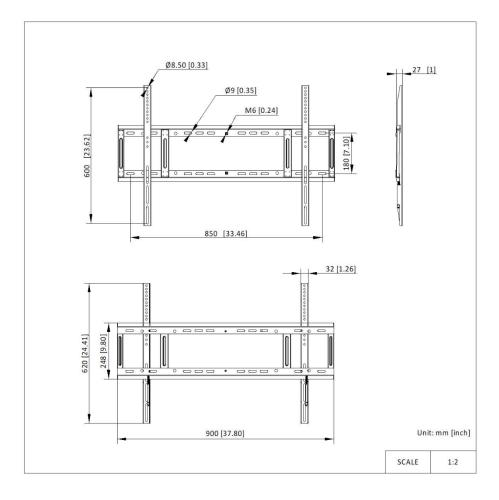
Available Model
 DS-D5C86RO/A

Dimension









#### Accessory

#### Optional



# See Far, Go Further



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