

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 | | | | |
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| 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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| Minimum Touch Object≥ 1.5 mm (≥ 90% touching area)Touch Precision± 0.5 mm (≥ 90% touching area)Touch Resolution32767 × 32767Built-in SystemOperation SystemAndroid 13.0Memory8 GBBuilt-in Storage128 GBProcessorQuad-core Cortex-A76 × 4 (2.4 GHz) and quad-core Cortex-A55 × 4 (1.8 GHz) | Touch Point | | | | |
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| Operation SystemAndroid 13.0Memory8 GBBuilt-in Storage128 GBProcessorQuad-core Cortex-A76 × 4 (2.4 GHz) and quad-core Cortex-A55 × 4 (1.8 GHz) | Touch Resolution | 32767 × 32767 | | | |
| Memory 8 GB Built-in Storage 128 GB Processor Quad-core Cortex-A76 × 4 (2.4 GHz) and quad-core Cortex-A55 × 4 (1.8 GHz) | Built-in System | | | | |
| Built-in Storage128 GBProcessorQuad-core Cortex-A76 × 4 (2.4 GHz) and quad-core Cortex-A55 × 4 (1.8 GHz) | | | | | |
| Processor Quad-core Cortex-A76 × 4 (2.4 GHz) and quad-core Cortex-A55 × 4 (1.8 GHz) | | | | | |
| | 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 | | | |

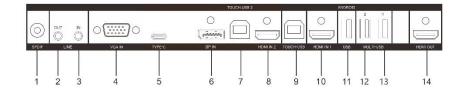


| BluetoothBuilt-in BLE (Bluetooth Low Energy) module supports Bluetooth 5.1NFCSupport screen mirroring by Android phonesLight SensorYesInterfaceVideo & Audio InputHDMI In (HDMI 2.0) × 3, VGA In × 1, DP In (DP 1.2) × 1, Audio In × 1Video & audio outputHDMI Out (HDMI 2.0) × 1, Audio Out × 1, SPDIF Out × 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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| NFCSupport 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, RS232 × 1LAN (1000 Mbps) × 2VIFI 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 functions; side charging 15 W, front charging 65 W)PowerPower Supply100 to 240 VAC, 50/60 HzStandby Consumption< 0.5 W | Loudspeaker | Built-in 2 × 20 W+25W loudspeaker; | | |
| 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

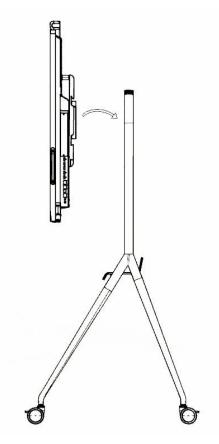
| Interface | Description | Interface | Description |
|----------------|--------------------------------|----------------|------------------------------------|
| 1.SPDIF | SPDIF interface | 2.Line OUT | Audio output interface |
| 3.Line IN | Audio input interface | 4.VGA IN | Video devices connection 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

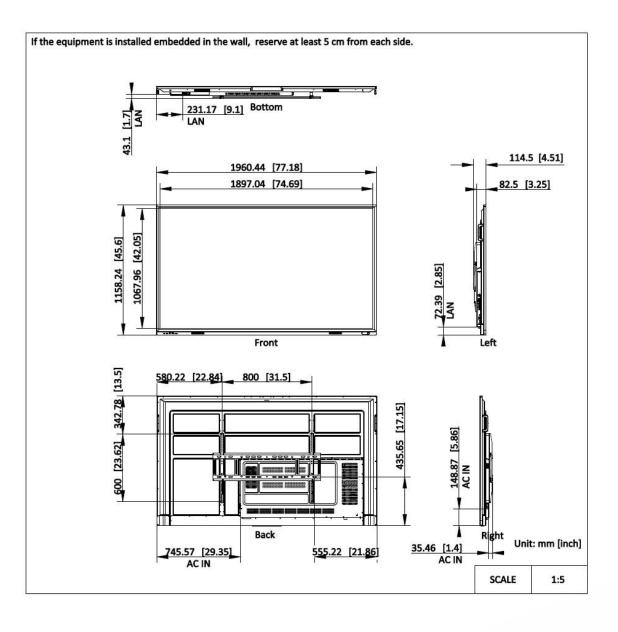




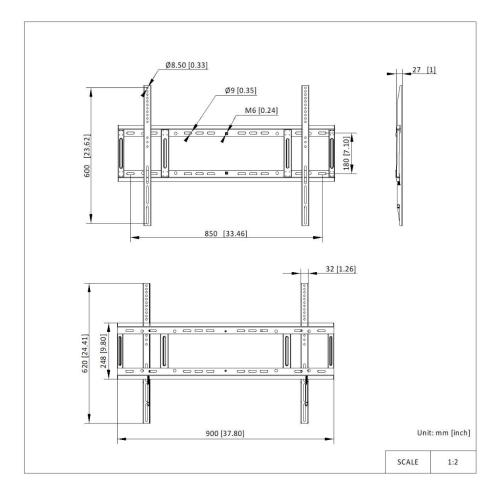
Available Model
 DS-D5C86RO/A

Dimension









Accessory

Optional



See Far, Go Further



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