

# Intelligent Conference Flat Panel

H-DP8175



## DESCRIPTION:

Heinrich's H-DP8175 Intelligent Conference Flat Panel is designed for small and medium-sized conference rooms, transforming them into compact conference centers. This versatile device combines a high-definition display, digital whiteboard, 4K camera, array microphone, intelligent central control, and premium audio system. Powered by Windows 10 IoT, it offers comprehensive meeting solutions, including presentation, writing, interaction, collaboration, sharing, video, data security, environment monitoring, and control.

## FEATURES:

- 75-inch DLED LCD display with 4K Ultra HD display, narrow frame design, support USB multimedia file playback.
- Built-in 12MP high-definition camera and 8 array microphones, the sound pickup distance is up to 10m, support automatic noise reduction, automatic gain, echo cancellation, and sound source localization.
- Equipped with 2.1-channel professional audio, 5 scene sound effects optional: standard, conference, human voice, music, cinema.
- High-precision touch, support 1.6mm fine recognition.
- Support Type-C full-featured interface to realize screen projection, reverse control, audio and video signal transmission functions.
- HDMI supports 4K 60Hz loop-through output; DP supports 4K 60Hz input.
- The screen and screen protection layer adopt zero bonding technology to effectively prevent light reflection.
- Support anti-glare, using AG tempered glass to reduce ambient light interference, screen reflection and glare damage to eye.
- Support hardware-level anti-blue light, filter and reduce harmful high-energy short-wave blue light, long-term viewing without fatigue.
- Support 85% high color gamut for clearer images, more vivid colors and more saturated colors.
- The camera array microphone is a detachable module, designed with a 12pogo pin magnetic interface, without separate wiring, and physical protection is used to prevent the possibility of conference information leakage.
- Support a variety of wake-up methods: voice, keep watching, double-click the touch screen, and button method. The watch wake-up method can be customized to set the watch time.
- Support the wake-up function by lifting the pen; support quick use of the whiteboard and annotation functions by lifting the pen.

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- Support meeting reservation function, the meeting list of the day is displayed in real time on the home page, with host and meeting time and other information.
- Support the preparation of the welcome interface before the meeting, background audio, video, and pictures can be added, and the theme of the welcome interface can be customized.
- Support fast meetings, meeting ad hoc meetings, multi-person discussions, brainstorming and other activities.
- Support confidential meeting, the materials during the meeting cannot be downloaded, and the meeting materials will be automatically burned after the meeting; the materials used during the meeting and the temporarily cached files are automatically encrypted, and cannot be viewed after the meeting; interface watermark covers the whole meeting to prevent photo recording and leakage of meeting information.
- Support the installation of third-party video conferencing software to realize remote video conferencing, and the camera supports intelligent framing and speaker tracking.
- Supports quick voting and custom voting/scoring, with voting and satisfaction evaluation templates. Voting methods are divided into scanning code voting and hand-raising voting. Scanning code voting has two options: anonymous voting and real-name voting. Voting/scoring can be customized to vote option.
- Support scan code sign-in, in the meeting the sign-in can be viewed immediately, and the name of the sign-in person will be displayed in real time after scanning the code sign-in.
- Support conference recording with 2K, 4K resolution. Support multiple ways to save screen recording: scan code to take away or save to local, conference, U disk.
- Support multiple screen projection methods such as NFC touch transmission, wireless screen projection, wired screen projection, and one-key projection of the screen projector; support mobile phone and computer mixed screen display, and support up to four screens on the same screen display; support paired screen projection Content reverse operation.
- Support application screen projection, for example, specified browser projection screen, specified document projection screen; other application messages will not pop up during the screen projection process, and other tasks can be processed to protect privacy.
- Support mixed split-screen, whiteboard, dynamic video, audio, document, annotation and other pages can be displayed at the same time in the meeting, and any split-screen can be displayed in full screen or different schemes can be compared.
- Support document presentation function. In the process of document presentation, annotations, video playback, and unlimited picture stacking are available to meet the needs of more content document display.
- Support scanning codes to upload various file formats during the meeting, including MP4, MP3, PDF, WORD, XLSX, text, JPG, PNG, etc., which can be directly viewed and annotated.
- Support whiteboard writing; support inserting pictures and video materials into the whiteboard; support multi-point writing; support gesture erasing, sliding to clear the screen, circle eraser, pixel eraser and other erasing methods; with unlimited canvas, support two fingers Zoom function; support multiple whiteboard file saving formats: PNG, PDF, WORD, PPT.
- The whiteboard supports OCR intelligent text recognition and graphic recognition functions, which can automatically convert written fonts and patterns into standard text and graphics.
- Support full-channel annotation function, multiple annotation storage options, scan code to take away or save to local, conference, U disk.
- Support PPT speech countdown mode.
- Support abnormal power failure protection function. After abnormal power failure, the internal battery can be quickly activated to save meeting materials and meeting progress in time. After power on, it can continue to be used to ensure the continuity of the meeting.
- Button logo design, combined with IOT sensing technology, support temperature, humidity real-time monitoring display, automatic adjustment of brightness according to the ambient light.
- Support centralized control function, which can connect the central control to manage the air conditioner, curtain, microphone and other equipment in the meeting room with one key.

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## SPECIFICATION:

Model	H-DP8175
Processor	Windows 10 IoT
System version	8GB
RAM	128GB
Storage	DLED LCD display
Screen type	75 inches (16: 9)
Screen size	1649V × 928H
Screen display size	3840 (H) × 2160 (V)
Physical resolution	85%
Color gamut NTSC	1.07B(10bit)
Display color	350CD/m <sup>2</sup> (min.) 400CD/m <sup>2</sup> (typ.)
Brightness	1200:1(typ.)
Contrast	Support
Anti-blue light	Support
Glare	60Hz
Frame rate	1.07B (10bit),10.7 billion colors
Color degree/color depth	178°(H/V)
Viewing angle	Magnetic camera, pluggable, plug and play
Camera type	12MP
Camera pixel	105°±5°
Maximum field of view angle	90°±5°
Horizontal field of view angle	Auto focus
Lens focusing	15° downward adjustment
Angle adjustment	New CMOS image sensor, application of noise reduction
Low illuminatio	algorithm to greatly reduce image noise, image noise ratio ≥ 55dB
Drive standard	UVC/UAC national standard
Camera Module Dimensions (L×W×H)	292mm×41mm×31mm 10m
Microphone pickup distance	1*LAN; 1*TOUCH; 1*HDMI-IN; 1*DP-IN; 1*VIDEO-IN (USB-
Input interface	C+reverse control); 1*LINE-IN; 1*MIC-IN; (gen3 10G rate); 1*USB-C (gen3 10G rate); 1*RS232; 2*IO; 2*RELAY

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## SPECIFICATION:

Output Interface	1*HDMI-OUT; 1*LINE-OUT;
Touch sensing technology	Infrared induction recognition touch technology
Maximum input points	40 points
Response time	8ms(typ.)
Writing method	Opaque objects such as fingers, touch pens, etc.
Writing height	2.0mm
Touch Accuracy	The middle 90% touch area is $\pm 1\text{mm}$
Two-point identification distance	$>20\text{mm}$
Theoretical clicks	Unlimited
Touch diameter	Single point $\geq 1.6\text{mm}$ , multi-point $\geq 2\text{mm}$
Glass Specification	3.2mm tempered glass
Writing screen surface hardness	7H
Interpolation resolution	$32768 \times 32768$
Operating voltage	DC 5V $\pm 5\%$
Power	$\leq 2.5\text{W}$
WiFi	2.4GHz and 5GHz
Power supply	90-264V $\sim 50/60\text{HZ}$ input
Standard power consumption	$\leq 460\text{W}$
Standby power consumption	$< 0.5\text{W}$
Audio channel	2.1 channel
Sound power	2*20W@ 4 $\Omega$ +1*32W @ 4 $\Omega$
Storage temperature	-10 $^{\circ}\text{C}$ ~+60 $^{\circ}\text{C}$
Storage humidity	10%~80%RH, no condensation
Working temperature	0 $^{\circ}\text{C}$ ~+40 $^{\circ}\text{C}$
Working humidity	20%~80%RH, no condensation
Working altitude	$\leq 5000\text{m}$
Bare metal size (L×W×H)	1717.3mm × 98.2mm × 1011.3mm
Package size (L×W×H)	1900mm×225mm×1125mm
Display size	1649.6mm × 927.9mm
Thickness	98.2mm
Net weight	61.1kg
Gross weight	72.5kg
Shell color	Aurora purple
Shell material	Aluminum Profile/Sheet Metal

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