

Technical Specifications

Specifications



Model	IdeaPresence 138	IdeaPresence 138 Pro
Display size	138" (16:9)	138" (16:9)
Display resolution	3840 × 2160P4	3840 × 2160P
Physical resolution	1920 × 1080P	3840 × 2160P
Pixel density	16 ppi	32 ppi
Max. power consumption	1787W	1808W
Minimum viewing distance	2 m	1 m

Component

Device	Cable	Wall-mount bracket/Rolling stand	UHD codec
1	1 power cable and 1 HDMI cable	Included/Optional	Optional
Camera	Microphone	Touch	IdeaShare Key
Optional	Optional	Optional	Optional

Screen

Packaging process	Pixel pitch	Brightness	Color temperature
Flip-chip COB	P0.7	300–1000 nits (adjustable)	5000–9500K (adjustable)
Horizontal/Vertical viewing angle	Gray level	Protection level (front)	Refresh rate
170°/170°	16 bits	IP65	3840 Hz (64gray)
Black uniformity	AG anti-glare	Color gamut	LED lifetime
ΔE*ab < 0.5	Supported	≥ 85% BT.2020 & ≥ 99% sRGB	24/7 operation, lifespan > 100,000 hours

Speaker

Quantity	Rated power (per group)	Maximum volume	Frequency response
2 x 3 (stereo supported)	2 x 20 W + 20 W	95 dB	60 Hz to 20 kHz

Physical specifications

Dimensions (H x W x D; rolling stand)	Dimensions (H x W x D; wall-mounted bracket)
2564mm x 3054 mm x 1034 mm	1888 mm x 3054 mm x 147 mm
Net weight (with rolling stand/wall-mounted bracket)	Gross weight (display)
247.5 kg/221 kg	440 kg
Power supply	Operating/Storage temperature
100 V AC to 240 V AC, 50/60 Hz	–10°C to +50°C/–20°C to +60°C
Operating/Storage humidity	
10% to 80%RH/10% to 80%RH	

Port

Audio/Video input port (front)	Power supply port
1 × HDMI	1 x power supply port

Meeting capability¹

Dual-stream resolution	Doubled frame rate	Call bandwidth
4K 30 fps + 4K 30 fps	Supported (4K 60 fps)	64 kbit/s to 8 Mbit/s

Feature

- Multistream meeting
- SiteCall
- Meeting control via web or Touch
- Dual-band Wi-Fi (2.4 GHz and 5 GHz)
- Open APIs for third-party integration and development
- HD image snapshot (16:9 and 4:3)
- PIP (small window: 1/16 of the main window in size and adjustable position)
- LDAP address book

Security

- H.235/TLS encryption for signaling and SRTP encryption for media
- Meeting access password, meeting control password, and administrator password
- Dual-stream encryption

Note: 1: To access the meeting, doubled frame rate, security, intelligent features, and wireless projection functions, you must use the HUAWEI CloudLink Box 310/610 in conjunction with the display.
2: The screen temperature rise of 17°C refers to the average temperature rise of the screen relative to the ambient temperature when the product is working. The maximum temperature rise of the whole display is ≤ 20°C. The actual temperature rise may vary slightly depending on usage conditions and environments.
3: To use the wireless projection function, you need to download the IdeaShare app or configure an IdeaShare Key.
4: Optimize pixel arrangement using a pixel engine display technology, while achieving 4K display effects through digital algorithms.

Application Scenarios



Midsized and large meeting rooms

Remote meeting, business reporting, and office work



High-level consultation room

Business consultation, VIP reception, and workshop



Lecture hall

Special speech, team building, and enterprise activity



Command center

Remote command, emergency attendance, and information display



Exhibition hall

Large-screen display, animation demo, and interactive experience



IOC

Real-time detection, comprehensive situation analysis, and video meeting

Disclaimer

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IdeaPresence

Immerse Yourself in Infinity

Cool-running COB display | Immersive audiovisual experience | Professional executive meetings



IdeaPresence

The 138-inch 4K immersive giant display adopts the flip-chip COB technology and has a 20,000:1 contrast ratio and BT.2020 color gamut for realistic color reproduction. It also boasts two groups of full-range speakers for stereo surround sound. The intelligent audio and video provide a professional meeting experience¹, making it suitable for large meeting rooms, lecture halls, and multi-functional halls.

Expand Your View, Expand Your World

Stunning minimalist design

The display's frame is made of aviation-grade aluminum alloy and has undergone wire-drawing and oxidation, for great stability and durability. The chin of the display boasts speaker cloth technology, which makes it resistant to dust and dirt. What's more, users can enjoy widescreen while watching videos thanks to 170° wide viewing angle and thin edges on three of its sides.

99.5%

Screen-to-body ratio on three sides

2 mm

Ultra-narrow bezel

170° wide viewing angle

No light reflection or leakage from the side

≤ 0.1 mm

Flat mirror-like surface

Cool-running COB display

We use new architecture in our static low-power driver IC and adopt the co-cathode design to provide precise power supply and reduce power consumption by 30%. Additionally, screen temperature rise does not exceed 17°C², ensuring viewing experience is not hindered by overheating.

Rock-solid security protection

Flip-chip COB technology safeguards internal components by preventing their exposure. Its front is IP65-rated, and any smudges on the surface can be easily cleaned.



Waterproof



Dustproof



Anti-static



Bump-proof



Moisture-proof



Easy to clean

Extension for bigger possibilities

The modular array design allows for dual-screen extension and 32:9 aspect ratio, enabling simultaneous display of site video and shared content.

Immersive Audiovisual Experience

Ultimate 4K visual fidelity

The display has a P0.7 pixel spacing and a pixel pitch of 32 ppi, with support for independent self-luminance for hundreds of millions of pixels. Each beam of light can be precisely adjusted to enhance image presentation and vividness.

Colors beyond the palette

The display can present 1.07 billion stunning colors with BT.2020 image-level color gamut, providing 64 times higher color display performance. Professional color adjustment before delivery creates true-to-life images, bringing you closer to reality.



Pure color that withstands light

The display's surface is processed with nanometer-level technology, producing pure black color that doesn't reflect light. The screen feels smooth and flat, leaving behind no smudges.



High black uniformity



Anti-glare/reflection



No smudges

Optimal brightness, day or night

The screen boasts a peak brightness of 1000 nits, a 16-bit gray scale level, and rich dimming levels, for all-round protection against ambient light.



Theater-quality stereo audio

With two high-power full-range built-in speakers, the display delivers impactful and high-quality audio, providing an immersive experience for users.



60 Hz to 20 kHz
Clear voices



2X subwoofer
Powerful bass



Max. 95 dB volume
Open sound field

Professional Intelligent Meetings¹

4K video meetings

Built on a next-generation high-computing hardware platform architecture, the display adopts brand-new H.265 codec and proprietary VME technology, supporting 4K meetings at ultra-low bandwidth. The device also has powerful network adaptability with 30% packet loss concealment for videos.

Doubled frame rate

The frame rate doubling technology converts 30 fps video streams to 60 fps, delivering silky-smooth 4K videos with no smearing.



Secure and reliable meetings

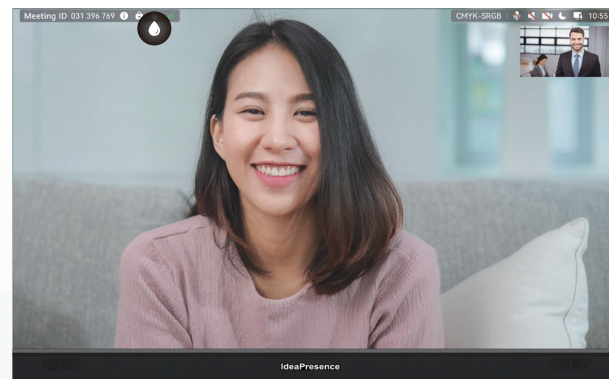
Industry-leading full-link protection brings end-to-end high-security during meetings.

• Audio watermarking

Audio leakage traceable via air channels.

• One certificate per device

Each display has a unique certificate, preventing hijacking and spoofing.



Easy wireless projection and control

Wirelessly project mobile phone or PC content³ onto the display and enjoy 4K resolution instantly. The Touch tablet can be configured for efficient control operations, including sleep, wake-up, and adjusting brightness and volume of the display.