Technical Specifications

Specifications

Model	IdeaPresence 138	IdeaPresence 138 Pro
Display size	138" (16:9)	138" (16:9)
Display/Physical resolution	4K / 2K	4K / 4K
Contrast	20000:1	18000:1
Max. power consumption	1787W	1808W

Component

Device	Cable	Wall-mount bracket/Rolling stand	UHD codec
1	1 power cable and 1 HDMI cable	Delivered with the device	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	Color gamut	Refresh rate
170°/170°	16 bits	85% BT.2020	3840 Hz
Black uniformity	AG anti-glare	Protection level (front)	
△E*ab < 0.5	Supported	IP65	

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)	
2577 mm 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)	
225 kg/185 kg		479 kg	
Power supply		Operating/Storage temperature	
100 V AC to 240 V AC, 50/60 Hz		–10℃ to +40℃/–20℃ to +60℃	
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 capability[1]

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)	· 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 · Open APIs for third-party integration and development
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℃ 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℃. 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.

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
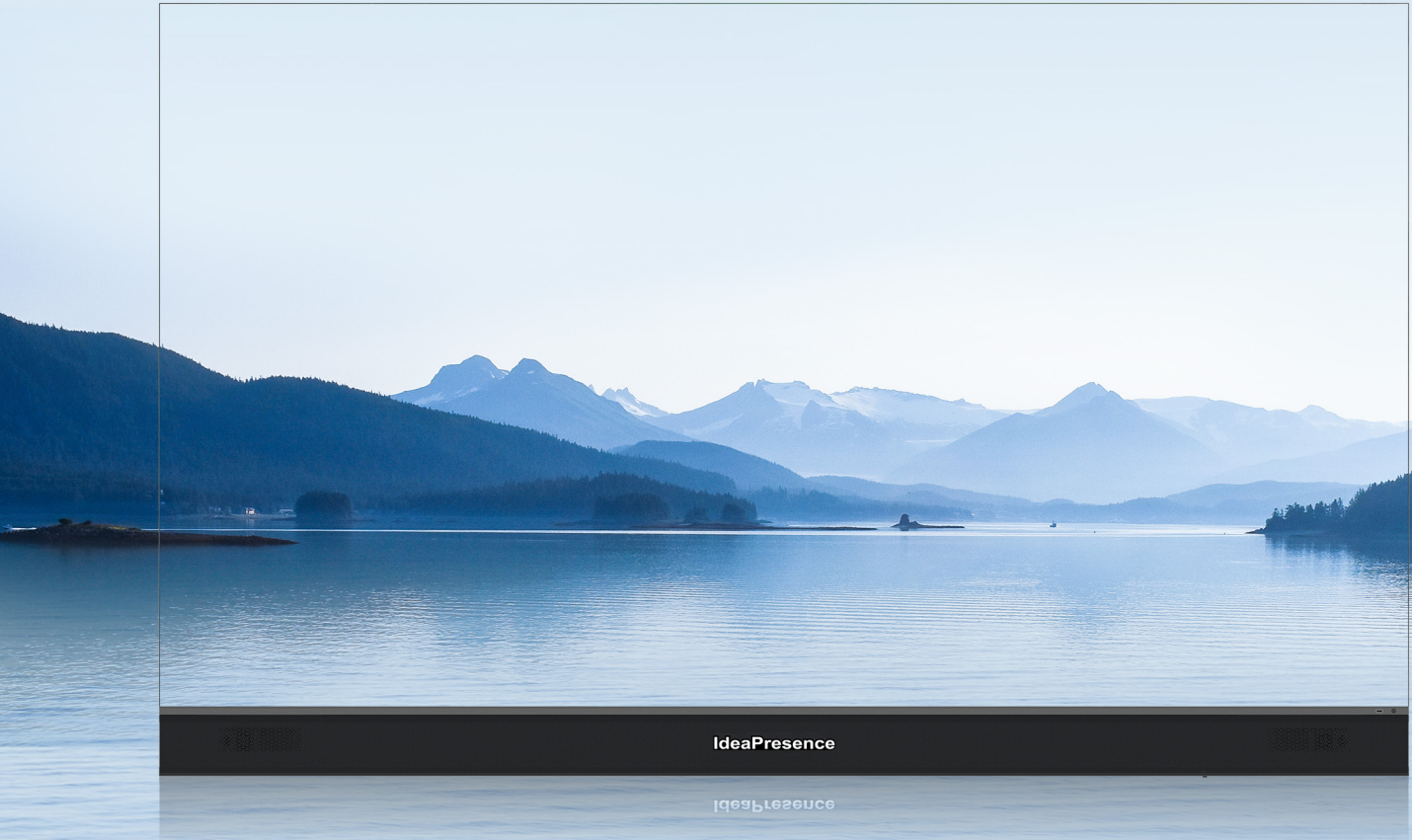
IdeaPresence

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 experience[1], 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.
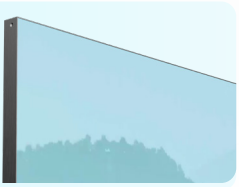
99.5%
Screen-to-body ratio on three sides

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°C[2], 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.
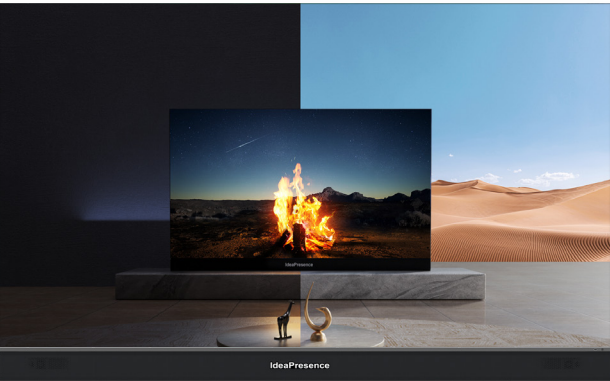
High black uniformity   Anti-glare/reflection   No smudges

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	2X subwoofer	Max. 95 dB volume
Clear voices	Powerful bass	Open sound field

Professional Intelligent Meetings[1]

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.
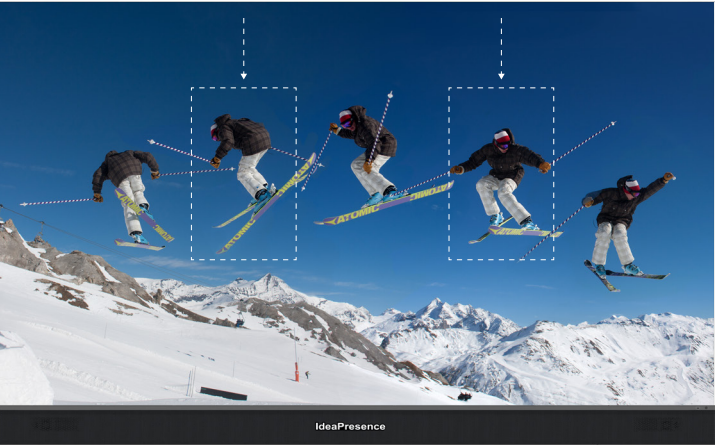
Secure and reliable meetings

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.
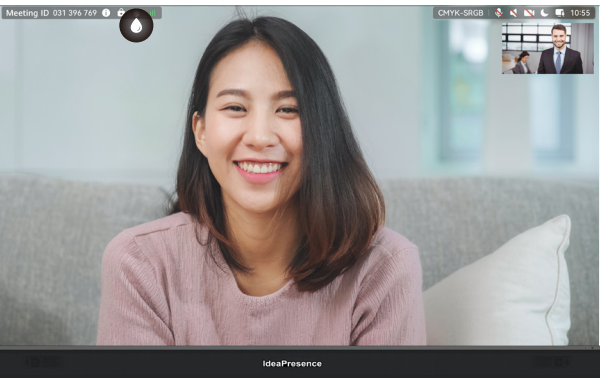
Easy wireless projection and control

Wirelessly project mobile phone or PC content[3] 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.