

# INTELLIGENT Conference Rooms Solutions

Visualization, Paperless, Internet of Things, multi-platform integration



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# Challenges Brought by Traditional Conference Rooms



## Meeting Booking

Traditional meeting notification methods are inefficient, There is waste in printing paper materials.



## Attending Meetings

Traditional sign-in methods are not intelligent; meeting communication is inefficient and confidentiality is poor.



## Post-Meeting Review

Unable to understand the overall use of meeting rooms, resource utilization, lack of unified operation and maintenance, Manually organizing meeting records is complicated and troublesome.



# Develop

Networking

Integration

Intelligent

UHD signals have put forward higher requirements for transmission, and network transmission has become inevitable. HD audio and video signals can be transmitted to any location through the network, realizing the interconnection of multiple places, network cascading and other functions.

Introduce intelligent central control equipment to achieve centralized control, and graphical interface operation reduces the difficulty of operation; scenario-based one-click operation, the equipment automatically completes the plan linkage, and improves meeting efficiency.

The development of AI and cloud technology has given conference rooms a new life, bringing the meeting experience to a new level, such as: voice recognition and voice control, face recognition, sensor duty, automatic meeting minutes, wireless projection and remote collaboration, etc.



## High Efficiency

Reduce the difficulty of multimedia conference room operation, adapt to various conference scenarios, and quickly access anytime and anywhere, remote maintenance, real-time status monitoring, improve meeting efficiency

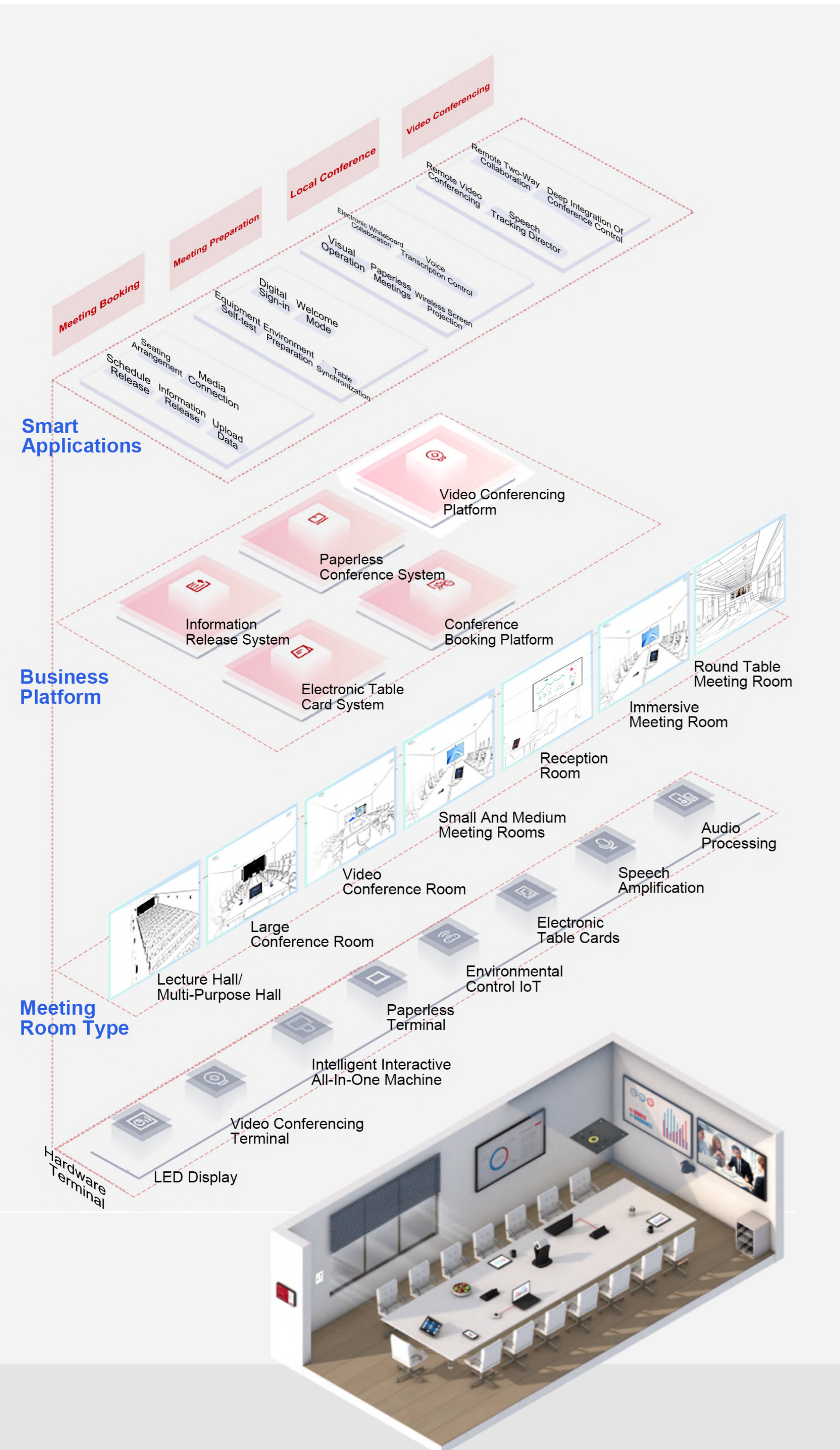


## Energy Saving & AI Intelligence

Remote interactive collaboration, reduce costs, and paperless meeting process, unified management and control, improve resource scheduling efficiency.



# Component of Intelligent Conferences



## Must-have for modern Intelligent Conference Room

### Pre Meeting Preparation

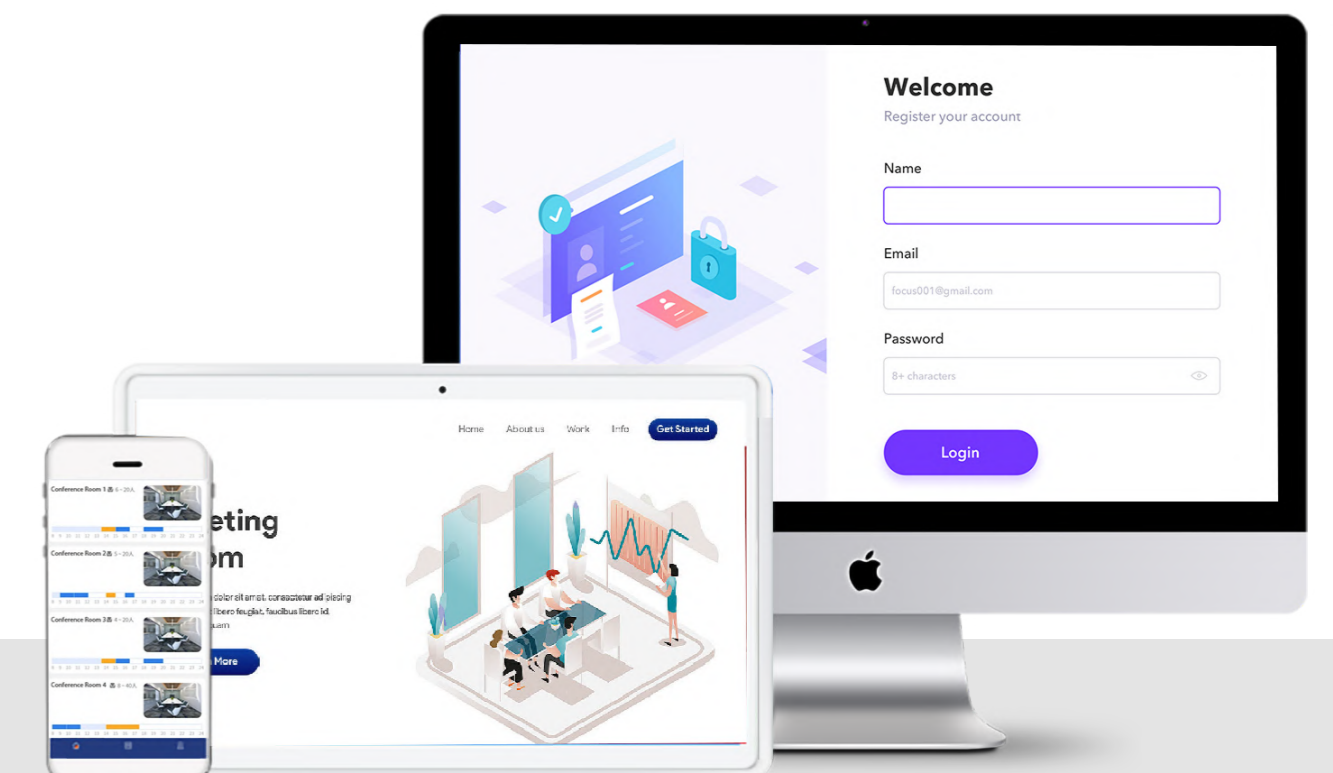
- Meeting reservation
- Meeting notice and sign-in
- Conference room doorplate display
- Paperless conference system preparation
- Meeting materials distribution
- Equipment automatic start
- Environment linkage (lighting, curtains, air conditioning, etc.)
- Electronic table card display

### Control During Meeting

- Conference sound reinforcement
- Audio processing
- Electronic whiteboard
- Wireless projection
- Voting
- Meeting minutes
- Call service
- Collaborative annotation

### Post Meeting Management

- Meeting record query
- Meeting room data statistics
- Equipment automatic shutdown



# Advantages of Smart Conferences

1

## Comprehensive Conference Room Solutions

Provide comprehensive conference room solutions for enterprises and governments, covering conference room reservation and management systems, audio systems, video systems, control systems, etc.



2

## Centralized Control

One client can manage and control the video, audio, and environment control of all conference rooms. No complicated operations are required, saving operation and maintenance costs.

3

## All Over IP

- 4K@60 full-link high-definition video transmission
- All signals are transmitted based on the network, and the video, audio, and control signals of each conference room all support mutual transmission



### Meeting booking and meeting preparation

Users can check the meeting room status and make meeting room reservations on their computers, mobile phones, or meeting reservation screens.

- Venue reservation
- Staff schedule
- Agenda release
- Meeting reminder
- Attendance record
- Electronic table card synchronization
- Paperless preparation
- Data management

### Meeting Room Use Management

Supports screening of meeting rooms based on meeting time, date, and required meeting resources. Supports statistics on meeting room usage to avoid resource waste in the meeting room.

### Face recognition + Meeting Room Access Control

Participants can use face recognition to check in and face access control to prevent unauthorized persons from entering the meeting room.



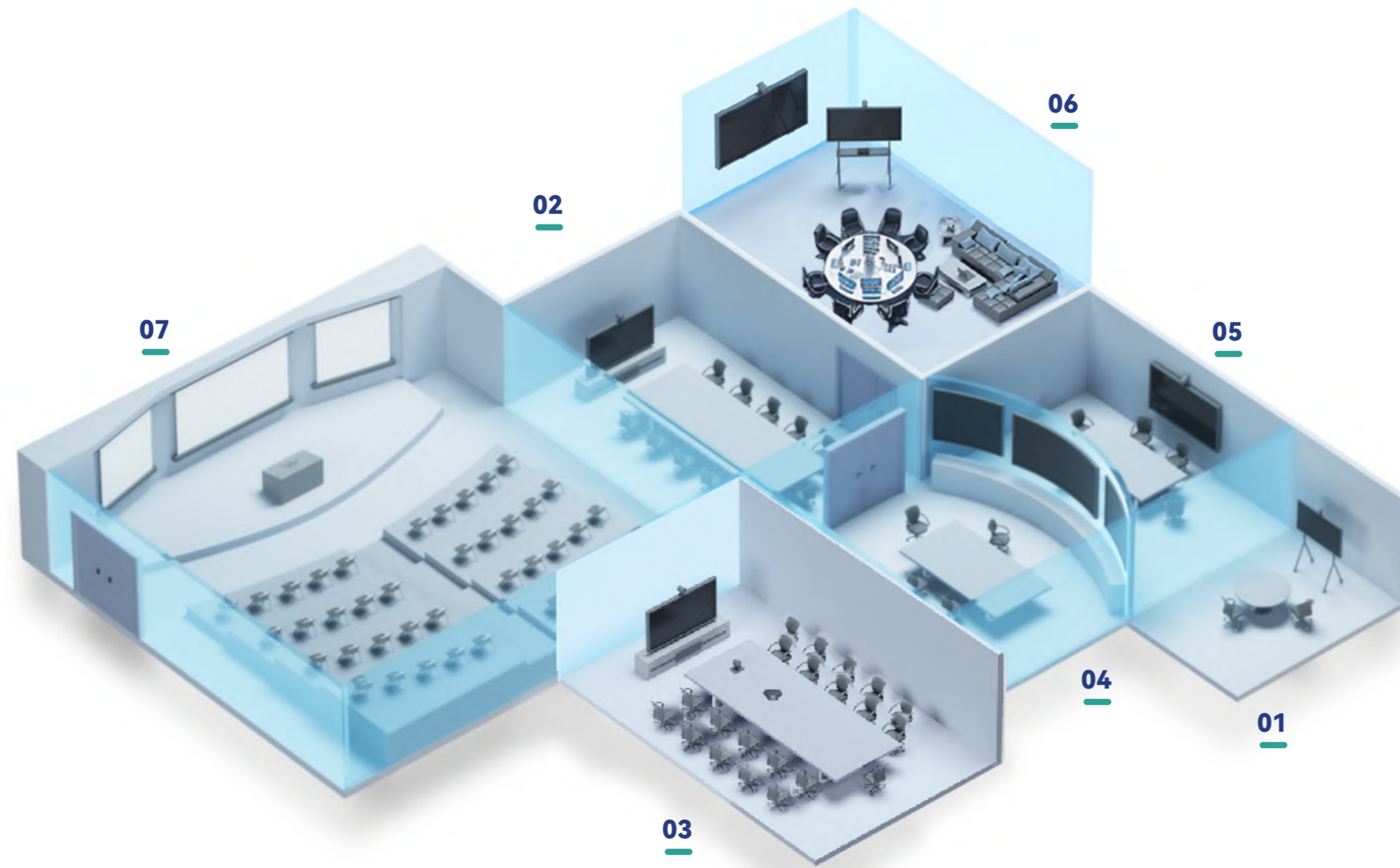
### Seating Information and Table Card Linkage

Seating arrangement, displaying the name, title, emblem, meeting theme, etc. of the participants.

Connecting with the back-end management server through Bluetooth or network to realize personnel information management and batch import.

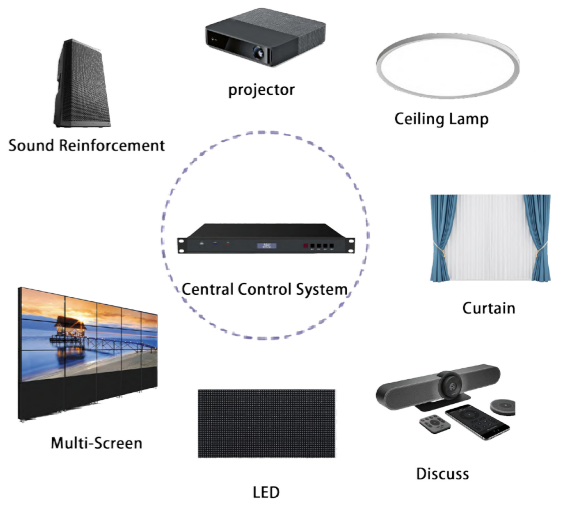


- 01. Reception Room
- 02. Small And Medium Meeting Rooms
- 03. Large Conference Room
- 04. Immersive Meeting Room
- 05. Video Conference Room
- 06. Lecture Hall, Performance Hall
- 07. Round Table Meeting Room



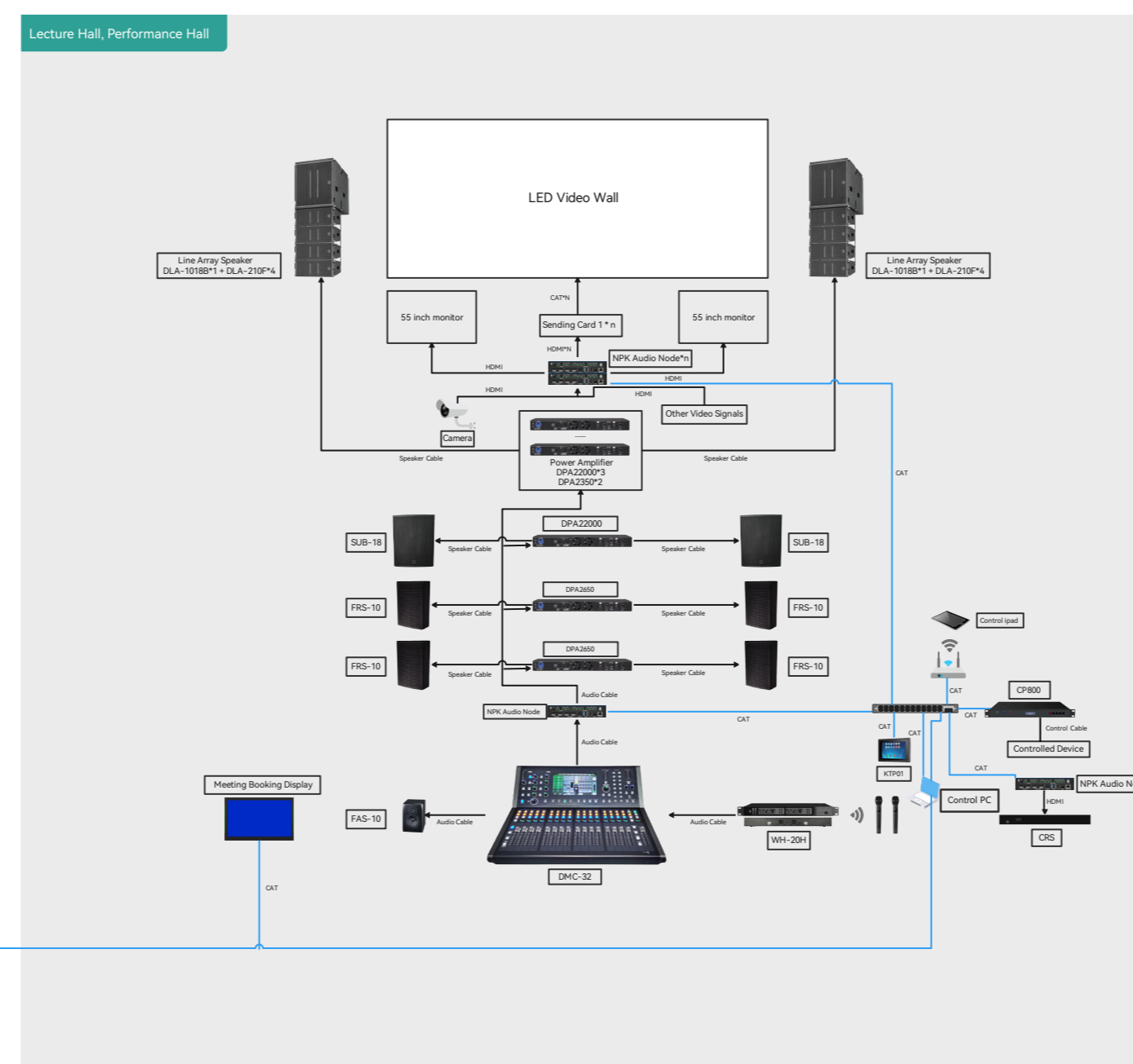
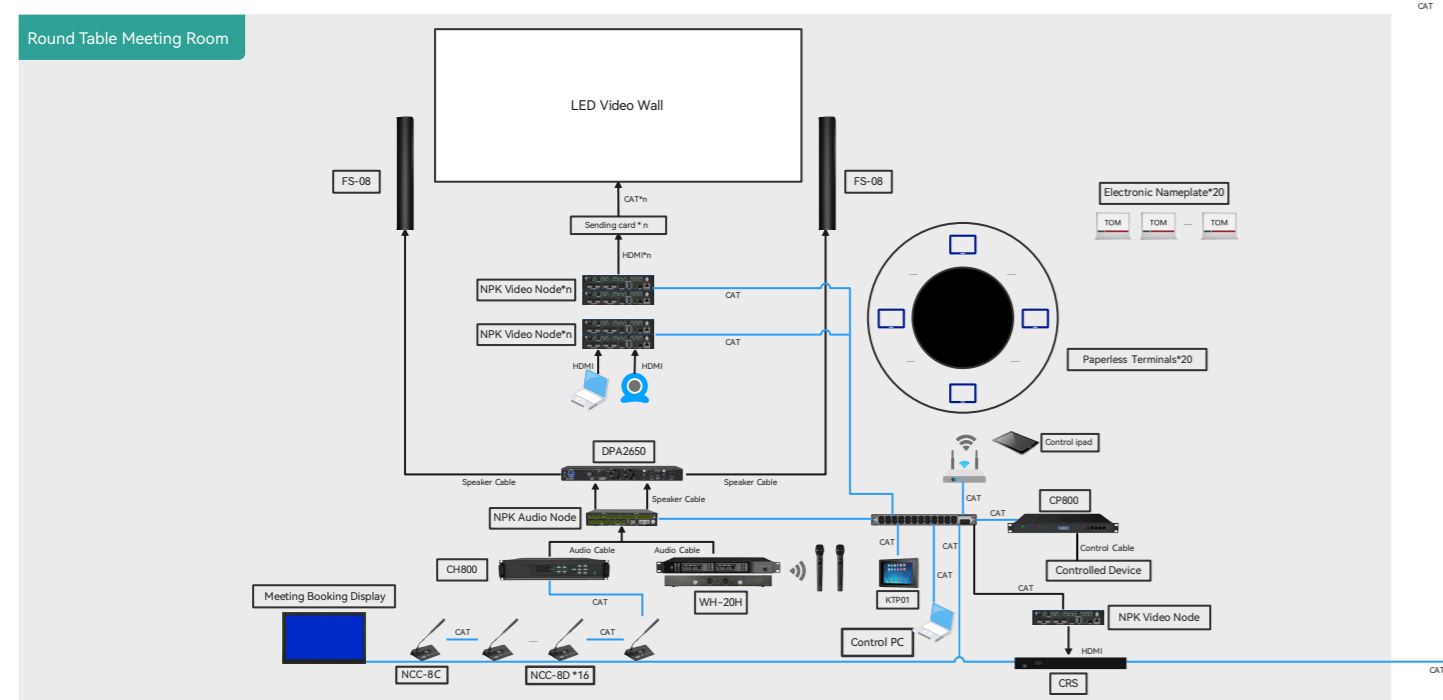
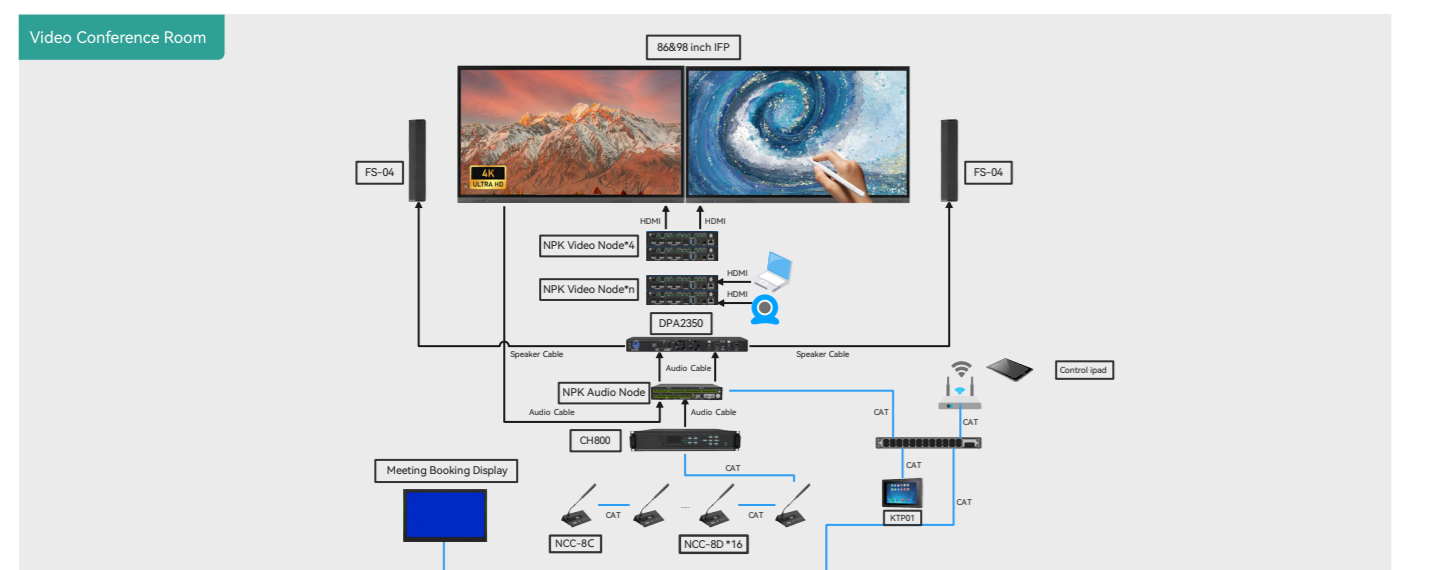
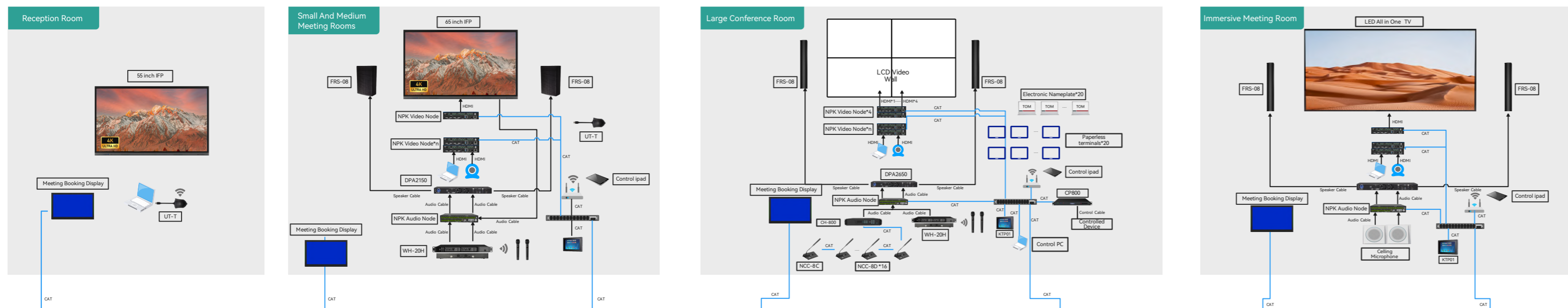
### Linkage Control Centralized Management

Support linkage with central control system, realize automatic opening of conference equipment before meeting, automatic switching of conference scenes, and automatic closing of equipment after meeting.



### Efficient Conference Collaboration

Realize wireless screen projection during meeting  
 Reverse control, multi-screen interaction  
 Collaborate with electronic whiteboard anytime, anywhere  
 File annotation, batch saving, scan code and take away  
 Seamless connection with video function, realize remote audio and video collaboration.



Network

Network

### Quick video conference control and management

- 1 Open Meeting -->
- 2 Multi-Party Access
- 3 Signal preview -->
- 4 Touch signal on screen

### Remote one-key operation of central control tablet

Multiple systems are linked according to mode plans to reduce the operation threshold

Real-time statistics of equipment status, real-time alarm of fault information

Information analysis assists decision-making and reduces the maintenance threshold



# Reception Room

Capacity: 2-5

Meeting Room Area: 25-35m<sup>2</sup>

**Application Scenarios:**  
Receiving Customers And Business Negotiations



## Transmission

4K60 HD display



## Professional Audio Processing

Support wireless screencasting



## Client Software

Smart, smooth whiteboard writing

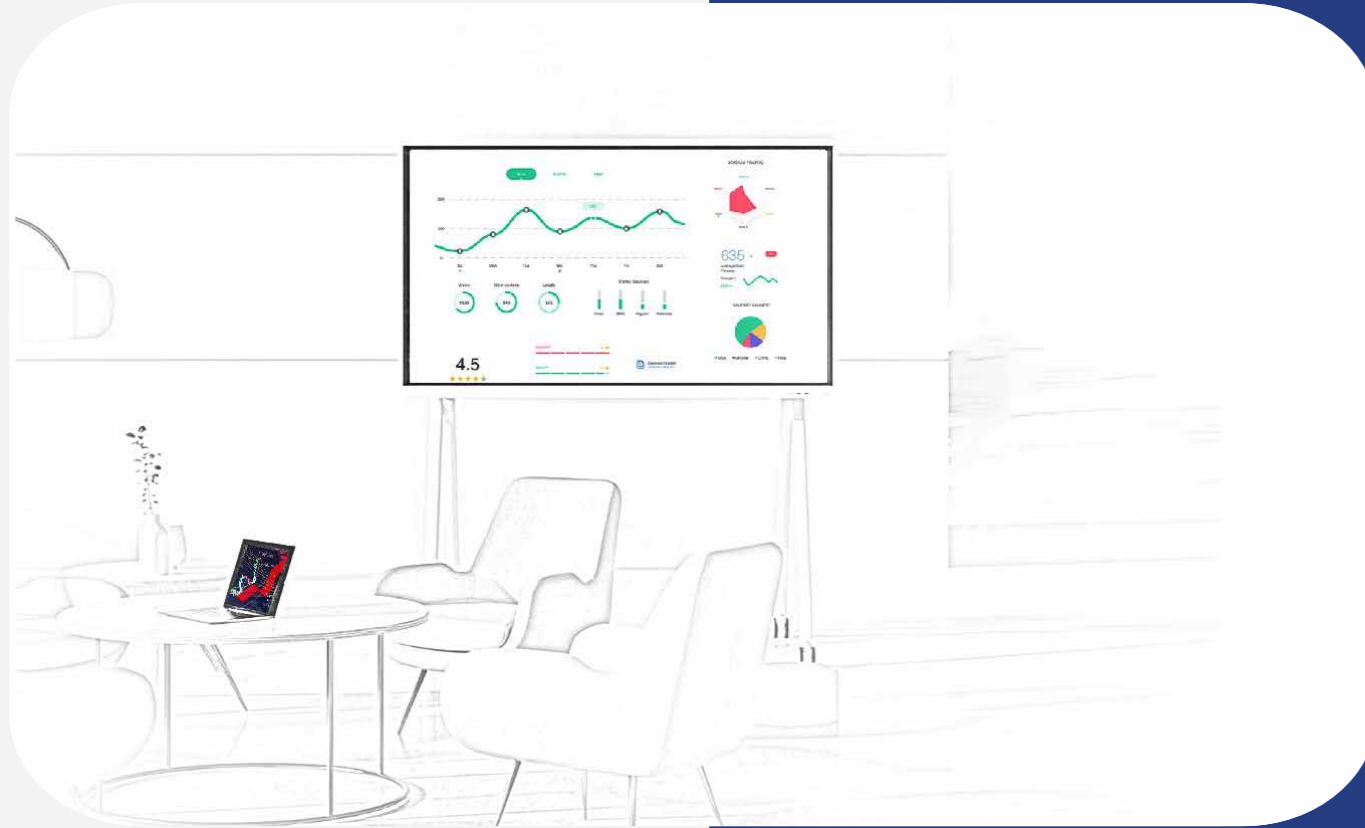


## Efficient Collaboration

Wireless projection, smart, smooth whiteboard writing

## RECOMMENDED CONFIGURATION

Video System	55 & 65 Inch IFP T65Omni	1pcs
	Wireless Screen Projection Transmitter UT-T	1pcs
Meeting Reservation System	Meeting Reservation Display	1pcs



# Small and Medium Meeting Rooms

Capacity: 10~20

Meeting Room Area: 40~65 m<sup>2</sup>

**Application Scenarios:**  
quick meetings, small meetings, department meetings



## Transmission

4K60 HD video transmission. All signals are based on network transmission, and the video, audio, and control signals of each conference room all support mutual transmission



## Professional Audio Processing

Supporting audio algorithms such as echo cancellation, feedback cancellation, and noise suppression



## Client Software

One client controls all conference rooms, The control client supports Windows, ios, and android systems



## Efficient Collaboration

Wireless projection, smart, smooth whiteboard writing

## RECOMMENDED CONFIGURATION

Video System	65 & 75 inch IFP T75Omni	1pcs
	NPK-UHD (Output & Input)	1pcs
	HD Conference Camera	1pcs
Audio System	2-channel Wireless Handheld Microphone WH-20H	1pcs
	Full Range Speakers FRS-4	2pcs
	Distributed Audio Node	1pcs
	2-Channel Digital Power Amplifier DPA-2150	1pcs
Control System	Wall Control Panel	1pcs
Conference Reservation system	Meeting Reservation Display	1pcs



# Large Conference Room

Capacity: 20-40

Meeting Room Area: 70-120m<sup>2</sup>

## Application Scenarios:

Company meetings, reporting meetings, mid- to high-level meetings, video conferences



### Transmission

4K60 high-definition video transmission  
All signals are transmitted over the network, and all video, audio, and control signals in each conference room can be transmitted to each other



### Smart Client

One client controls all conference rooms  
Control client supports Windows, ios, android systems



### Convenient And Efficient

Hand-in-hand microphone, no need for cumbersome wiring  
Intelligent paperless system makes meetings more convenient and efficient

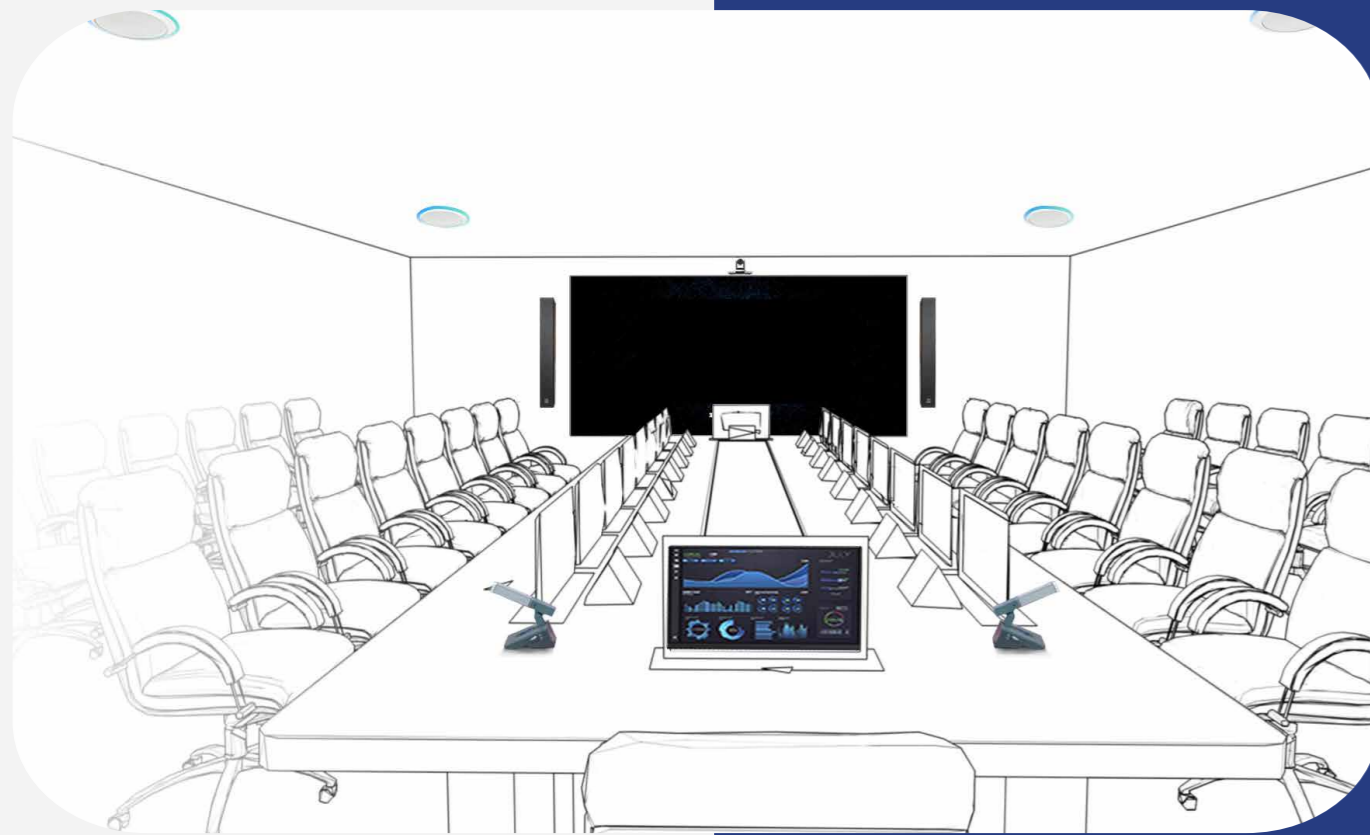


### Tracking Process

Camera tracking, automatically tracking the current speaker ;Powerful audio processing capabilities, supporting audio algorithms such as echo cancellation, feedback cancellation, and noise suppression

## RECOMMENDED CONFIGURATION

Video System	49" or 55" LCD Splicing Screen	4pcs
	Distributed Video Node NPK-UHD (Output) & (Input)	4+n pcs
	HD Conference Camera	1pcs
Audio System	Network Discussion Host CH-800	1pcs
	Chairman Unit NCC-80C	1pcs
	Representative Unit NCC-80D	16pcs
	2-Channel Wireless Handheld Microphone WH-20H	1pcs
	Full Range Sound Column FS-08	2pcs
	2-Channel Digital Power Amplifier DPA-2650	1pcs
	Distributed Audio Node	1pcs
Control System	Central Control CP800	1pcs
	Wall Control Panel KTP01	1pcs
Conference Reservation System	Paperless Server	1pcs
	Paperless Conference Terminal	20pcs
	Paperless Projection Terminal	1pcs
	Electronic Name Tag	1pcs



# Immersive Meeting Room

Capacity: 10-20

Meeting Room Area: 60-80m<sup>2</sup>

**Application Scenarios:**  
High-level meetings, video conferences



## Flexible Installation

Integrated LED module, sending card, receiving card, splicing controller, etc., detachable and flexible installation



## Good Visual Effects

High brightness, not affected by ambient light, High-end appearance, good visual effect



## Effective Sound Pickup

Non-inductive sound amplification, long-distance sound pickup, bringing an immersive experience, Untie the shackles of traditional microphones, and effectively pick up sound anywhere in the conference room

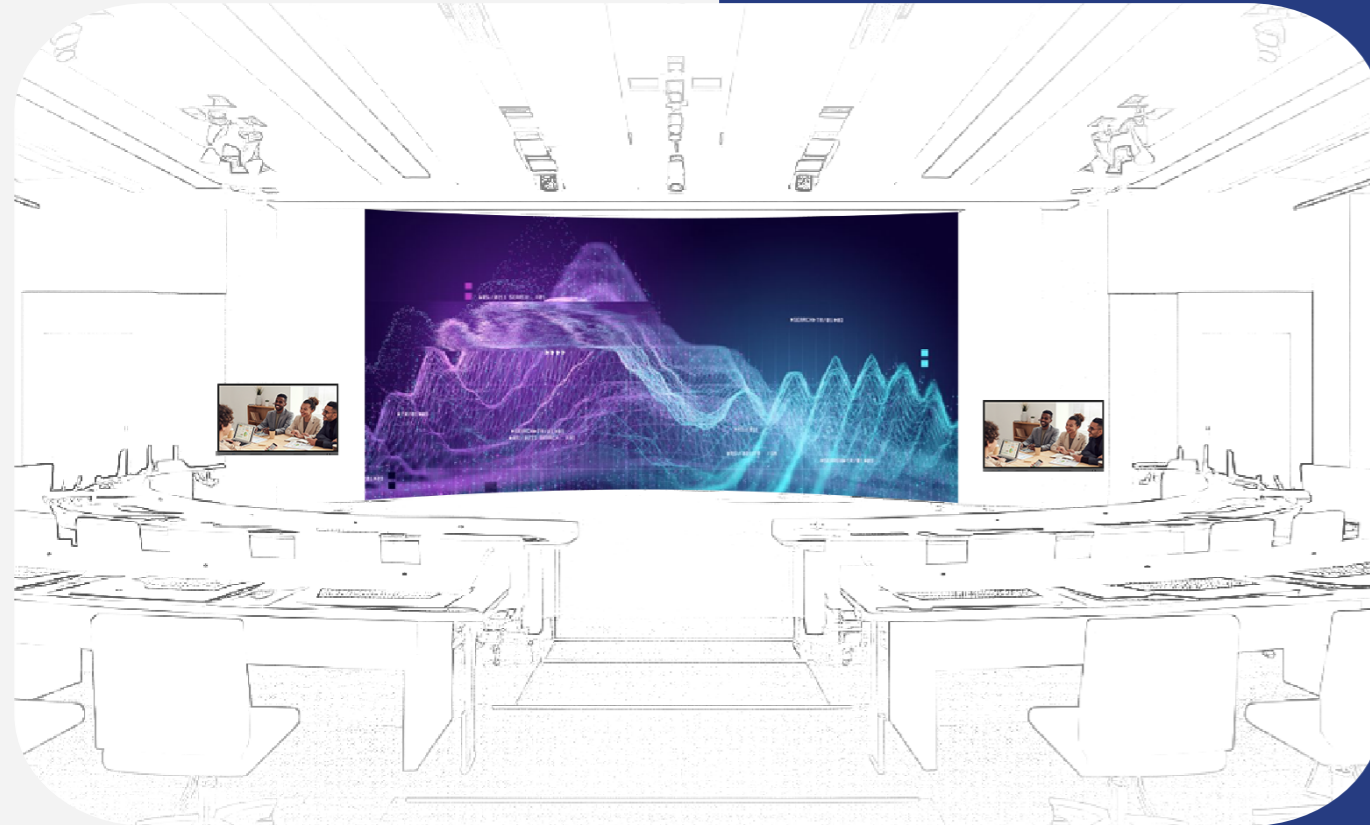


## Powerful Algorithm

Powerful audio processing capabilities, supporting audio algorithms such as echo cancellation, feedback elimination, and noise suppression for video conferencing

## RECOMMENDED CONFIGURATION

Video System	LED Video Wall + Sending Card	1pcs
	LED All-In-One Machine LTV108	1pcs
	Distributed Video Node NPK-UHD (Output) & (Input)	1+n pcs
	HD Conference Camera	1pcs
Audio System	Matrix Ceiling Microphone	2pcs
	Distributed Audio Node	1pcs
	Full Range Sound Column FS-08	2pcs
	Digital Power Amplifier DPA2650	1pcs
Control System	Wall Control Panel KTP01	1pcs
Conference Reservation System	Paperless Server	1pcs
	Paperless Conference Terminal	20pcs
	Paperless Projection Terminal	1pcs



# Video Conference Room

**Capacity:** 10-20

**Meeting Room Area:** 50-70m<sup>2</sup>

**Application Scenarios:**  
Video conferencing, small meetings



## Transmission

4K60 high-definition video transmission  
All signals are transmitted over the network, and all video, audio, and control signals in each conference room can be transmitted to each other



## Convenient And Efficient

Hand-in-hand microphone, no need for cumbersome wiring  
Intelligent paperless system makes meetings more convenient and efficient



## Smart Client

One client controls all conference rooms  
Control client supports Windows, ios, android systems

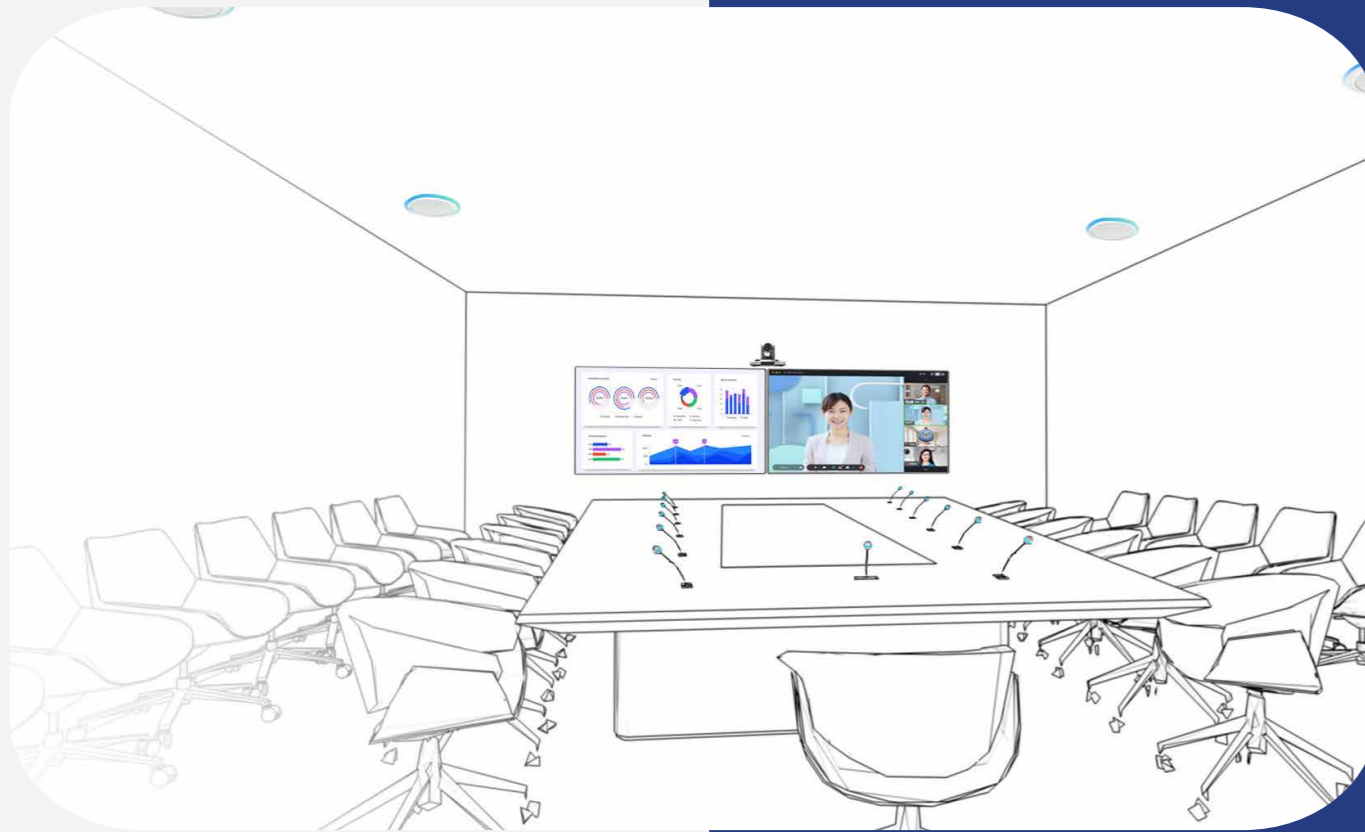


## Tracking Process

Camera tracking, automatically tracking the current speaker ;Powerful audio processing capabilities, supporting audio algorithms such as echo cancellation, feedback cancellation, and noise suppression

## RECOMMENDED CONFIGURATION

Video System	86" OR 98" IFP	2pcs
	Distributed Video Node NPK-UHD (Output) & (Input)	2+n pcs
	HD Conference Camera	1pcs
Audio System	Network Discussion Host CH-800	1pcs
	Chairman Unit NCC-80C	1pcs
	Representative Unit NCC-80D	16pcs
	2-Channel Wireless Handheld Microphone WH-20H	1pcs
	Full Range Sound Column FS-08	2pcs
	2-Channel Digital Power Amplifier DPA-2650	1pcs
	Distributed Audio Node	1pcs
Control System	Central Control CP800	1pcs
	Wall Control Panel KTP01	1pcs
Conference Reservation System	Paperless Server	1pcs
	Paperless Conference Terminal	20pcs
	Paperless Projection Terminal	1pcs



# Round Table Meeting Room

Capacity: 20-40

Meeting Room Area: 70-120m<sup>2</sup>

**Application Scenarios:**  
Leadership meetings, video conferences



## Transmission

4K60 high-definition video transmission  
All signals are transmitted over the network, and all video, audio, and control signals in each conference room can be transmitted to each other



## Convenient And Efficient

Hand-in-hand microphone, no need for cumbersome wiring  
Intelligent paperless system makes meetings more convenient and efficient



## Smart Client

One client controls all conference rooms  
Control client supports Windows, ios, android systems

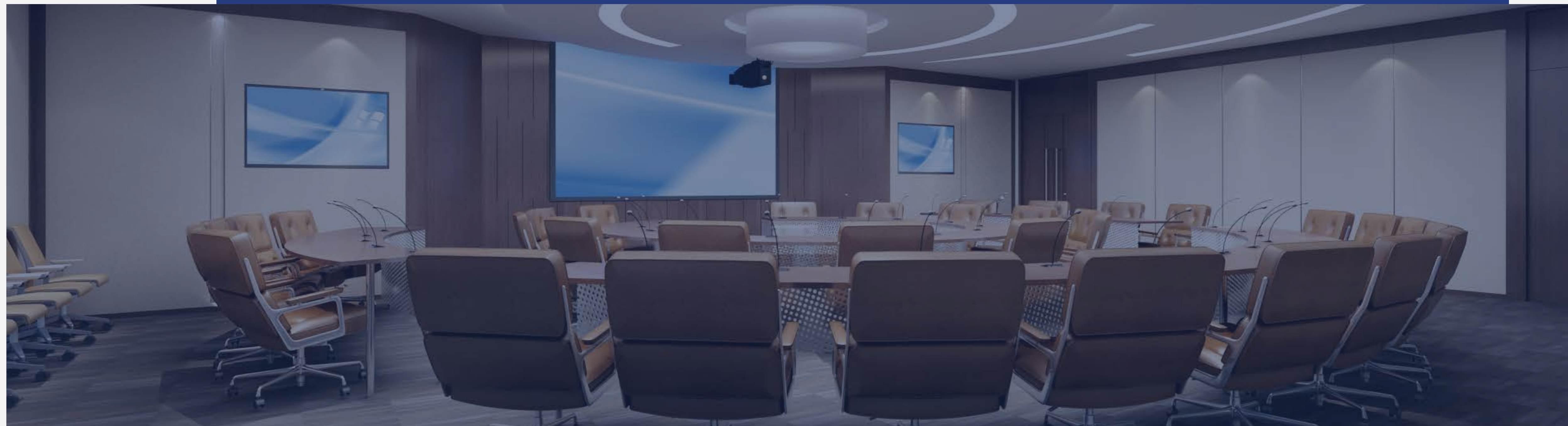
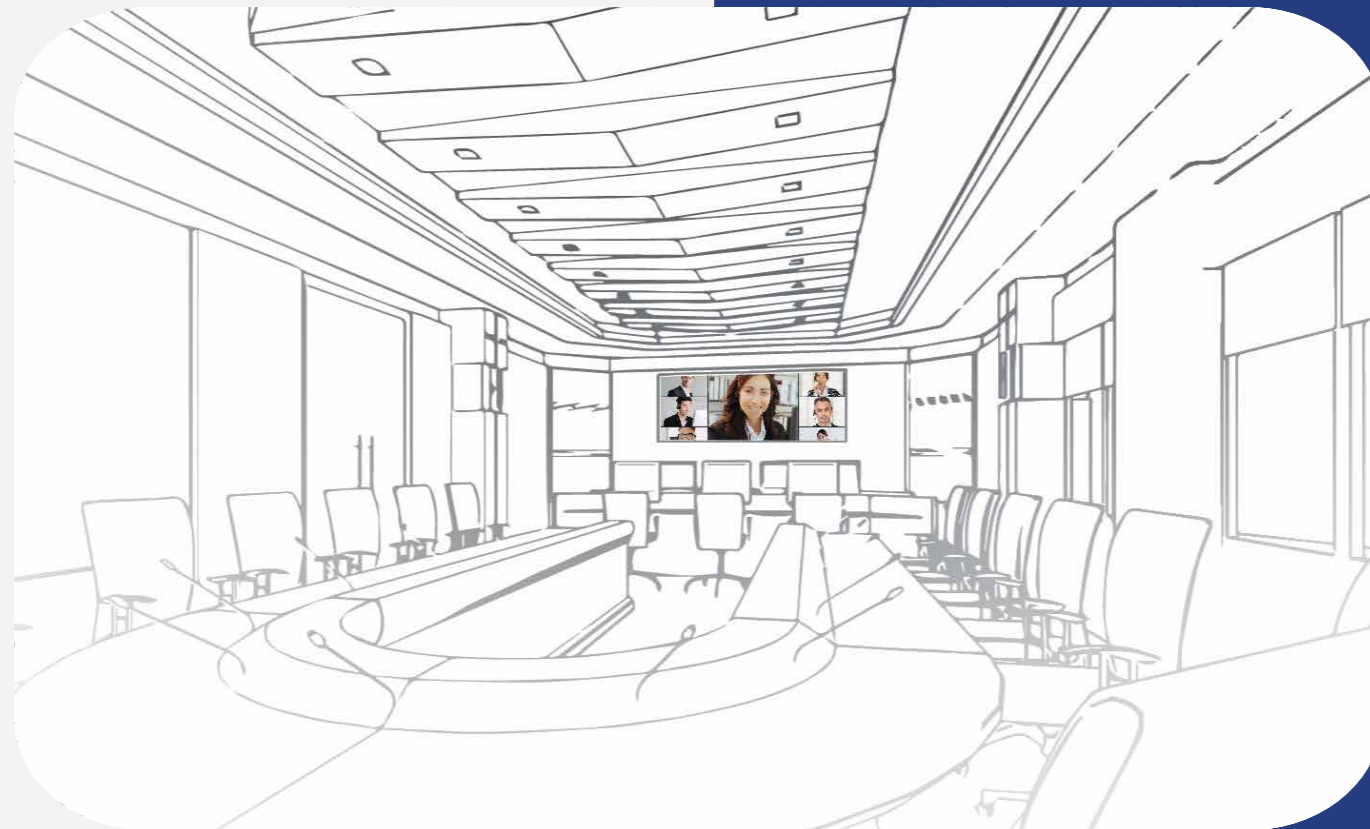


## Tracking Process

Camera tracking, automatically tracking the current speaker ;Powerful audio processing capabilities, supporting audio algorithms such as echo cancellation, feedback cancellation, and noise suppression

## RECOMMENDED CONFIGURATION

Video System	LED Video Wall + Sending Card	n pcs
	Distributed Video Node NPK-UHD (Output) & (Input)	4+n pcs
	HD Conference Camera	1pcs
	Recording And Broadcasting CRS	1pcs
Audio System	Network Discussion Host CH-800	1pcs
	Chairman Unit NCC-80C	1pcs
	Representative Unit NCC-80D	16pcs
	2-Channel Wireless Handheld Microphone WH-20H	1pcs
	Full Range Sound Column FS-08	2pcs
	2-Channel Digital Power Amplifier DPA-2650	1pcs
	Distributed Audio Node	1pcs
Control System	Central Control CP800	1pcs
	Wall Control Panel KTP01	1pcs
Conference Reservation System	Paperless Server	1pcs
	Paperless Conference Terminal	20pcs
	Paperless Projection Terminal	1pcs
	Electronic Name Tag	1pcs



# Lecture Hall & Performance Hall

Capacity: 100-150

Meeting Room Area: 200-300m<sup>2</sup>

## Application Scenarios:

Large conferences, seminars, large performances



### Transmission

4K60 high-definition video transmission. All signals are transmitted over the network, and all video, audio, and control signals in each conference room can be transmitted to each other.



### Powerful Processor

It adopts line array speakers with strong directivity, flat sound field, strong anti-feedback ability and high space utilization. Powerful audio processor and flexible sound adjustment.



### Smart Client

One client controls all conference rooms. Control client supports Windows, ios, android systems.



### One-Touch Control

One-touch control of device switch and one-touch call of conference scene.

## RECOMMENDED CONFIGURATION

Video System	LED Video Wall + Sending Card	n pcs
	Distributed Video Node NPK-UHD (Output) & (Input)	4+n pcs
	HD Conference Camera	n pcs
	Recording And Broadcasting CRS	1pcs
Audio System	55" OR 65" Monitor	4pcs
	2-Channel Wireless Handheld Microphone	2pcs
	Analog Gooseneck Microphone AM-42	1pcs
	Subwoofer SUB-18	2pcs
	Auxiliary Speaker FRS-10	4pcs
	Monitor Speakers FRS-10 & FAS-06	2+1 pcs
	Distributed Audio Node	1pcs
	32-Channel Digital Mixer DMC-32	1pcs
	Dual 10-Inch Line Array Full-Range Speakers DLA-210F	8pcs
	Dual 10-Inch Line Array Subwoofer DLA-1018B	2pcs
Control System	2-Channel Digital Power Amplifier DPA-22000 & DPA-2650	4+3 pcs
	Central Control CP800	1pcs
	Wall Control Panel KTP01	1pcs

