

Product Introduction



Reporting Department: Design Department

Official website: <http://www.itc-cms.cn>



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PRODUCT RANGE

Digital conference system

1. digital wired and wireless audio conference system
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3. Intelligent paperless conference
4. simultaneous interpretation system
5. Intelligent center control & Matrix
6. Conference prosound
7. Commercial LED display screen
8. Interactive touch screen
9. Speech to text system
10. Conference management system

Prosound and stage lighting

1. Performance grade sound reinforcement system
2. Digital Mixer
3. High-end MIR audio processor
4. 3rd generation digital power amplifier
5. Excellent performance professional speakers
6. Immersive performance platform
7. HD LED display
8. Stage lighting system
9. Stage mechanical system

Command center

1. Visual Management System
2. Command center big data platform
3. Optical matrix KVM system
4. HD LED display
5. Professional conference sound system
6. Intelligent paperless conference system
7. Intelligent central control matrix system

Digital IP PA system

1. 5th generation digital IP PA system
2. Rail transit PA system
3. Visual broadcasting and visual intercom system
4. EN54 standard emergency broadcasting system
5. Offshore oil audio platform
6. Digital airport PA system

Cultural tourism system

1. Cultural tourism digital audio platform
2. Cultural tourism professional sound system
3. HD LED display
4. Landscape lighting system
5. Stage lighting system
6. Cultural tourism guide system
7. Audio guide

Smart education System

1. Cloud control classroom system
2. Group discussion system
3. High-quality recording and broadcasting system
4. Training classroom system
5. Smart Interactive blackboard
6. Education all-in-one touch screen
7. Education display screen
9. Education sound reinforcement system
10. Smart listening system
11. Field room management system

Smart hospital system

1. Medical guidance and triage system
2. Medical intercom system
3. Ward IPTV system
4. Surgical visitation system
5. master clock system

Information management system

1. Meeting management
2. Asset management
3. Visitor management
4. Workplace management
5. IoT platform
6. Energy management
7. Information release
8. Queuing up
8. Hundreds of cities and thousands of screens
9. Query guide
10. Exhibition hall information release
11. Digital twin

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|| Digital conference system

Digital wired and wireless audio conference system



itc keeps innovating the conference system from various aspects such as microphone, audio transmission, sound effect, and so on, striving to present the perfect sound quality. The microphone adopts high-performance diaphragm design and tailor-made independent sound chamber for more delicate and real sound pickup. The audio adopts digital lossless transmission with optimized protocol to greatly shorten the latency (less than 5ms). In-depth optimization of intelligent mixing, AGC, AFC, EQ and other algorithms ensures high sound reduction, while multi-open microphones without howling, consistent sound from far and near, noise superposition reduction and other sound effects.

Audio Processing



TS-3400MIX
Audio Processor



TS-0300MX
Role Separation Controller

Wireless AP

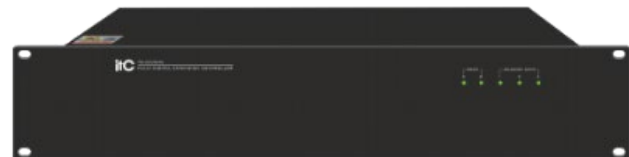


TS-W116
New WiFi6



TS-W116H
High Power Wireless AP

System Expansion



TS-0300ME
Extension Controller



TS-0321
Circular Connector



TS-0323B
T-type Power Extension Box



TS-0322
Recording Collector

Wired



TS-0302
Simple for speech



TS-0315
Simple for speech



TS-0308
Simple for speech



TS-0304E
Hot sale-Simple for speech



TS-0318E
Hot sale-Simple for speech



TS-0304
Digital and analog dual backup



TS-0318
Hot sale-flag screen-
simultaneous interpretation



TS-0318C
Hot sale-round screen-
simultaneous interpretation



Optional
gooseneck

TS-0309/D
3.5 inch screen -
simultaneous interpretation
with dual channel



TS-0305
4.3 inch screen-
simultaneous interpretation
with dual channel



Optional
gooseneck

TS-0310/D
Hot sale-4.3 inch screen-
simultaneous interpretation
with dual channel-speaker

Wireless



TS-W302
0.96 inch screen



Optional
gooseneck

TS-W301/D
4.3 inch screen + voting



Optional
gooseneck

TS-W310/D
Hot sale-4.3 inch screen
+ voting



TS-W301S
4.3 inch screen-
speaker+voting



Optional
gooseneck

TS-W303/D
4.3 inch screen + voting



TS-W312
0.96 inch screen -
array microphone

Embedded



TS-0336B
Five-key voting-
mechanical keyboard



TS-0332
Simple for speech



TS-0336
Five-key voting -
simultaneous interpretation



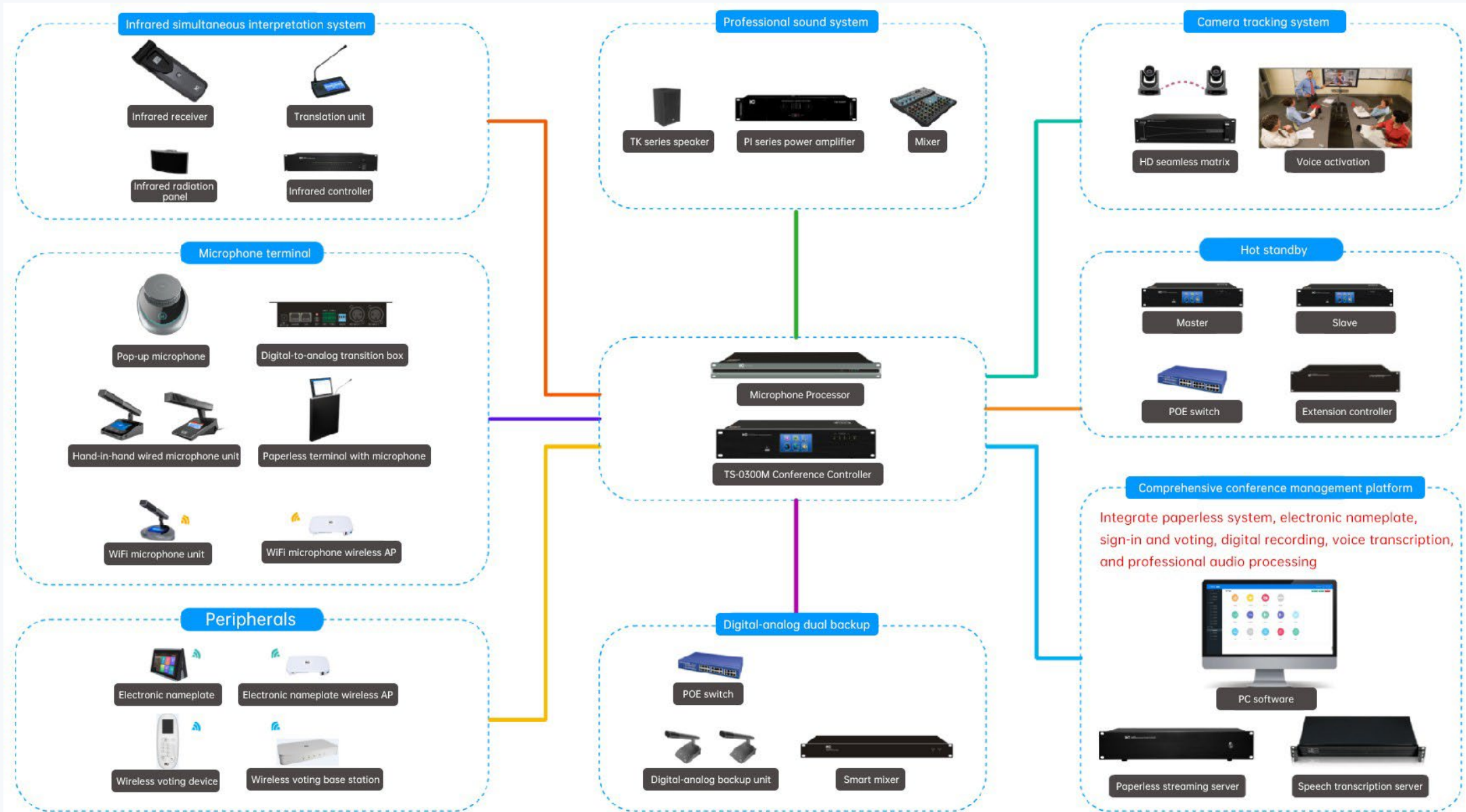
TS-xxxMT3 series
Paperless lifting
microphone



TS-3402
Pop-up microphone



TS-0314
Flip array microphone





Software dual control

Support C/S and B/S dual-end software to control conference system, more flexible on-site use.



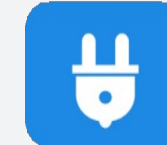
Ultra-low transmission latency

Ultra-low audio output latency with less than 5ms from full-digital microphone to controller.



Digital dual recording

USB recording; PC recording (TS-0322) can record microphone, and the interpreter unit recording is convenient for translation correction.



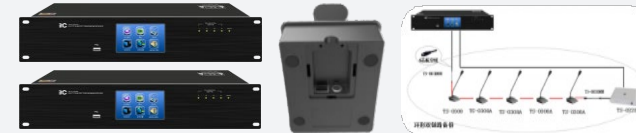
Plug and sync

All states such as speech, mode, voting, and sign-in are quickly synchronized during hot-swap of all microphones.



Simultaneous interpretation with dual channel

Units TS-0305 and TS-0310 can monitor two translation languages for two people to use at the same time.



Seamless triple backup

Hot standby; digital and analog dual backup (TS-0304); circular hand in hand (TS-0321).



High sound quality

Ultra-low-latency transmission, independent microphone sound cavity design, with TS-3400MIX professional processor, greatly improving the sound reinforcement effect.



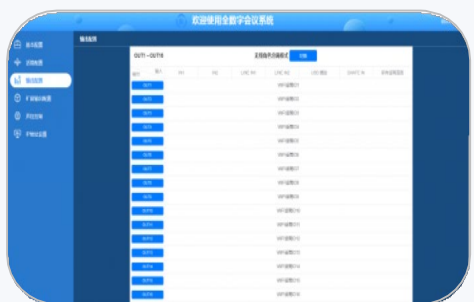
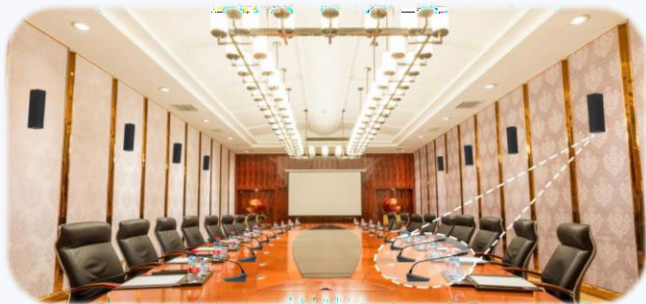
Multifunctional matrix

4096*16 microphone matrix can configure group output and independent output mode, flexibly docking with external equipment, mix-minus sound reinforcement and other applications.

Main Advantages

System Highlights

Important functions of professional conference system: **Multifunctional audio matrix**



Phase control mode:

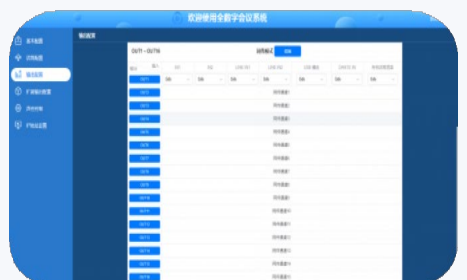
Mix-minus technology reduces howling sensitivity and increases the sound transmission gain of the venue.

Wired role separation mode:

Wired unit outputs independently according to the ID number

Wireless role separation mode:

Wireless unit outputs independently according to the ID number



Role separation mode:

All units of the system support role separation of speech transcription to generate meeting minutes.

Phase control mode:

Microphone matrix, any microphone can be output to any channel at any volume.

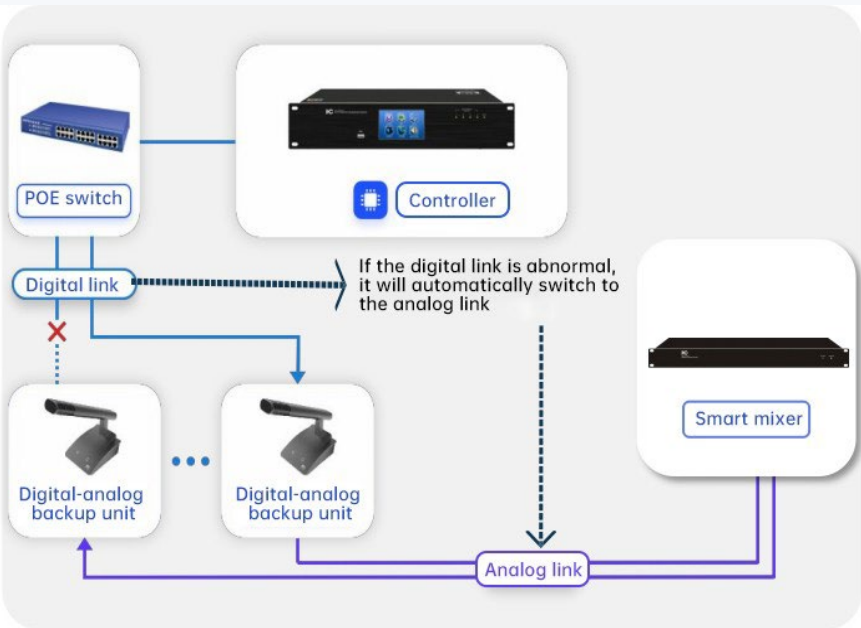
Simultaneous interpretation mode:

Interpretation audio output independently according to the channel number



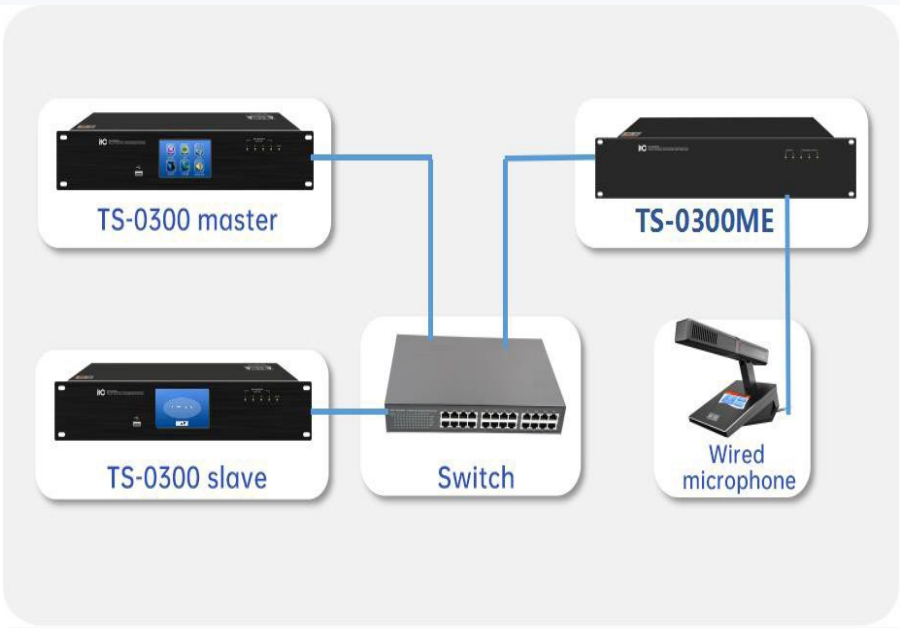
Main Advantages

Important functions of professional conference system: Backup function



Digital-analog dual backup

When the unit works normally, the digital mode is prior to the analog; when the digital link of the microphone fails, it will automatically switch to the analog mode.



Hot standby

When the master fails, the slave will change from the standby state to the working state. Millisecond-level switching, continuous speech, and rapid synchronization of all states.



Circular dual-link backup

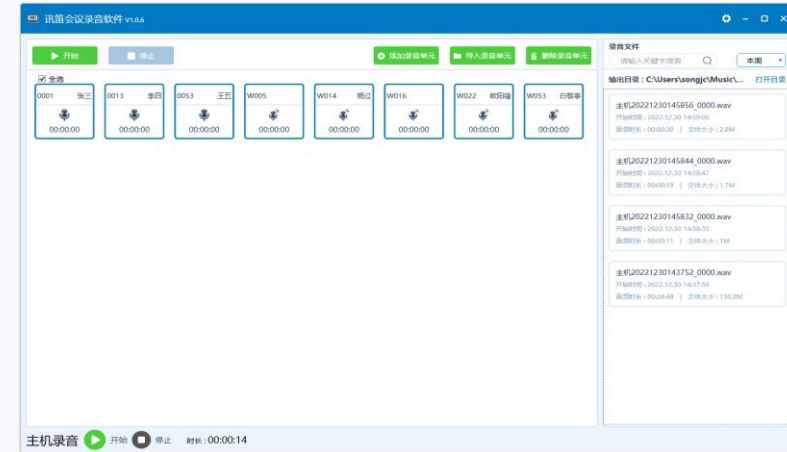
Form a circular chain from the end of the microphone link to the controller. When any microphone fails, it will automatically switch to the circular chain, and other microphones will not be affected.

Important functions of professional conference system: Digital dual recording



USB recording

The controller has a USB interface, which can record the output mixing of the controller in MP3 format.



Computer PC recording

With TS-0322 recording collector, each microphone can be recorded and stored independently on the computer. In particular, the interpreter unit can be recorded separately to facilitate translation correction.

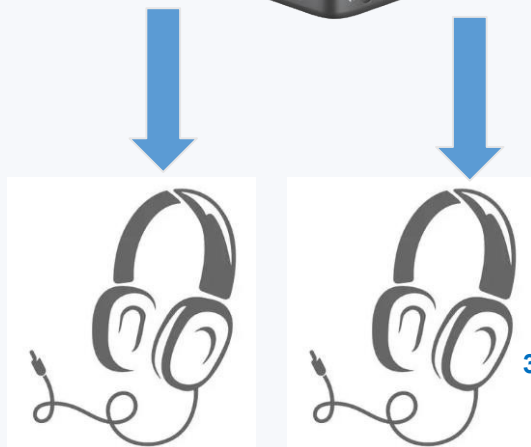
Main Advantages

Important functions of professional conference system: Simultaneous interpretation with dual channel



Simultaneous interpretation with dual channel

One microphone can output two languages for two participants.



TS-0309/D
3.5 inch screen - simultaneous interpretation with dual channel



TS-0310/D
Hot sale-4.3 inch screen-simultaneous interpretation with dual channel-speaker



TS-0305
4.3 inch screen-simultaneous interpretation with dual channel

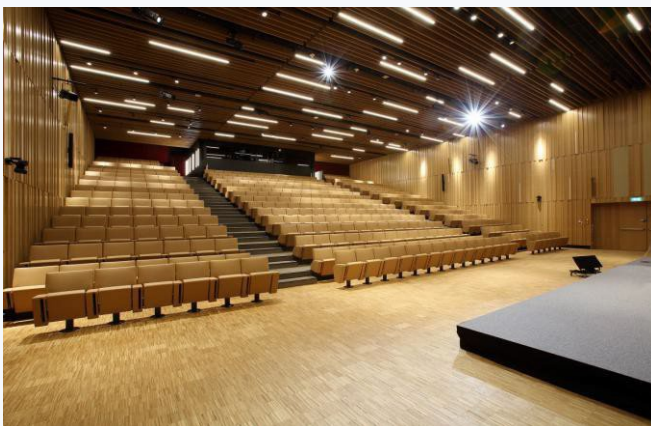
Important functions of professional conference system: **Automatically avoid wireless interference**



Highly reliable wireless technology

The controller is linked with the wireless AP to detect the wireless environment in real time. Detect the space channel utilization rate through active scanning, and automatically select the optimal channel to avoid interference of other WIFI and same frequency, ensuring smooth and stable meeting.

where we can design conference systems?



multi-function hall



international conference



banquet hall



lecture hall



square table conference room



round table conference room

|| Digital conference system

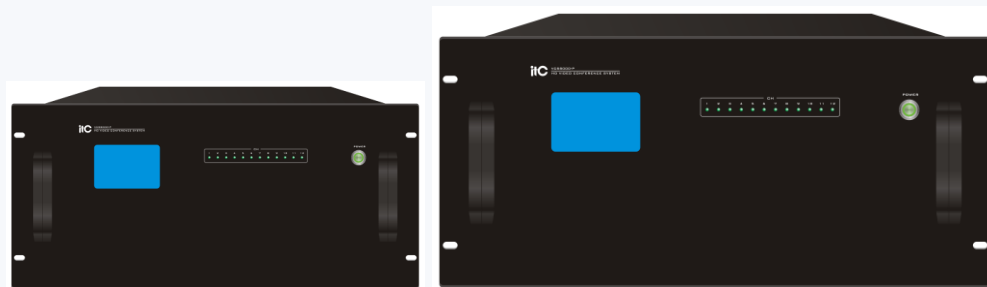
4K video conference system



▲ Remote video conference is a conference where people in two or more locations talk face-to-face through communication devices and network.

F e a t u r e s

- ✓ Multi-party sim. participation
- ✓ Long-distance transmission
- ✓ Comb. of multiple A/V media
- ✓ Real-time communication
- ✓ Use network&low bandwidth



CMS



MCU



CRS



GK



Live

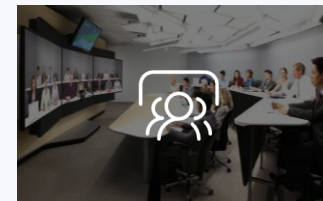


Storage

broadcast

Business platform for media convergence processing

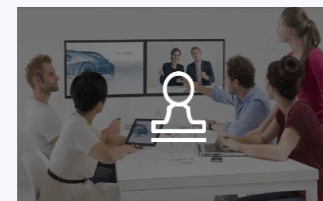
- ✓ Unified device management
- ✓ Smart resource allocation
- ✓ Rich session control
- ✓ Standard and open, interconnective



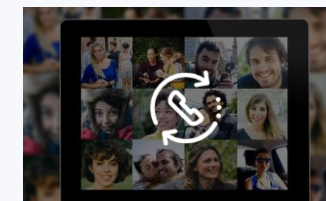
Multi-level conference (Province/city/county/township)



Medium and large conference



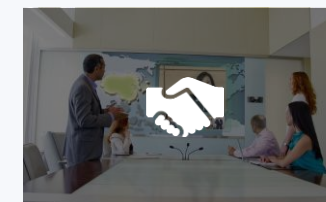
Small and medium conference



Multi-party off-site communication



File cross-region demo

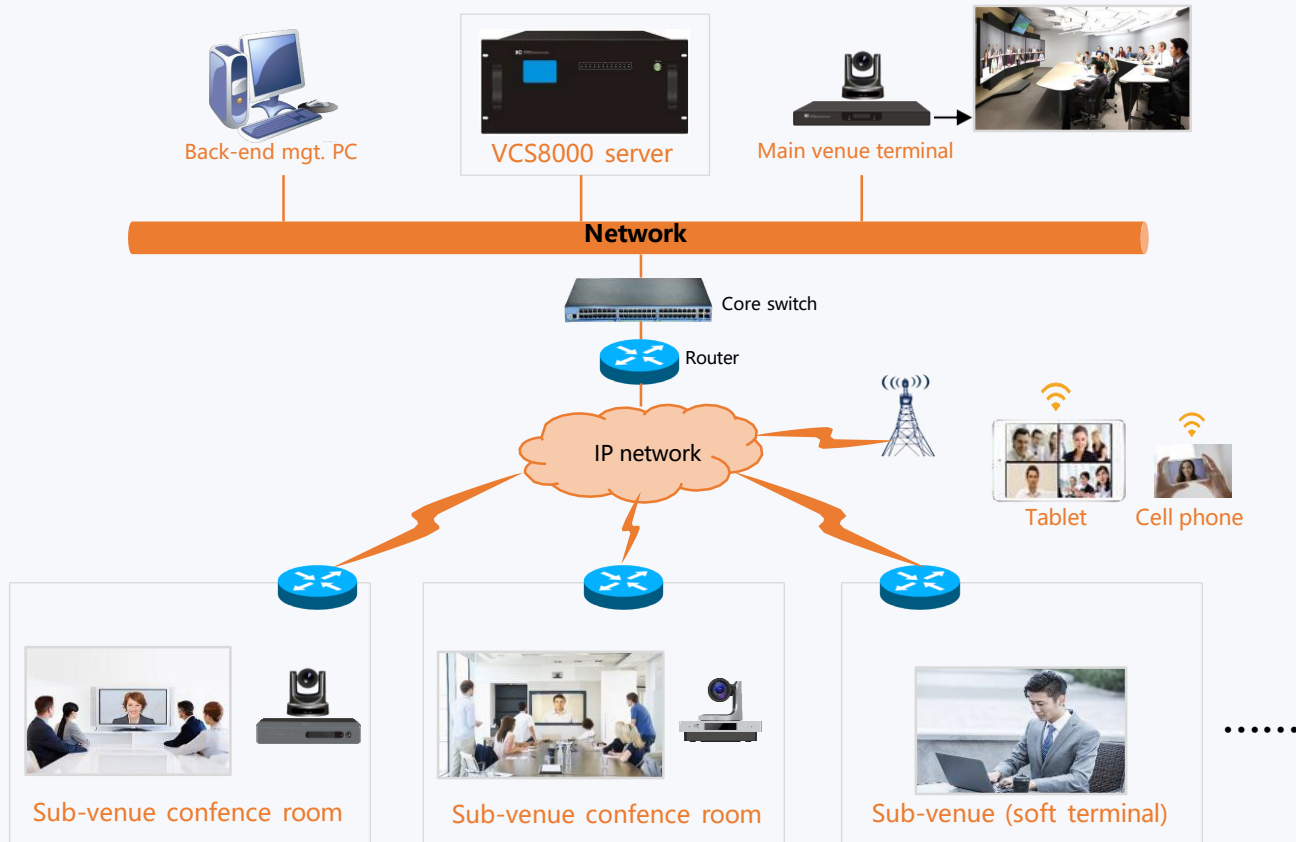


Remote recruitment

User access side

- ✓ Integrated HD terminal
- ✓ Adaptive camera
- ✓ Full adaptive soft terminal
- ✓ IP CAM joining the conference
- ✓ SIP phone access





High capacity



Multi-mode



High security



Simple deployment

- **Description:**
- itc cloud video system. The single server supports 200 user access, the cascaded MCU can reach 1000 user access, and the cloud architecture mode supports 30 points access;
- Support for public cloud or private cloud deployment. With simple network deployment, the venue personnel and business travelers can easily join in the conference.
- **Application:**
- Access to multiple terminals, to meet the needs of small and medium-sized enterprises for a variety of meeting applications;
- Built-in GK and Web, one MCU completes registration, reservation, management and conference control.

Main Advantages

MCU cascade Unlimited capacity expansion



A single machine supports a maximum of 500 parties of live streaming, and the interaction and live streaming can be switched in real time

MCU cascade

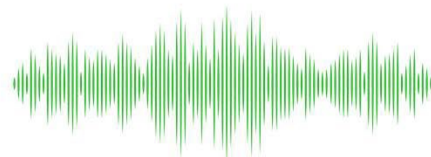


Main Advantages

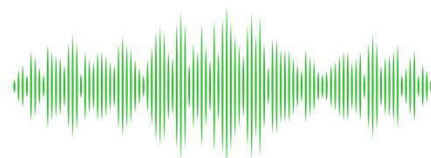
Super network adaptive Clear and smooth

Super FEC forward error correction

- Intelligent retransmission, bandwidth adaptive technology



Audio anti-packet loss



Video anti-packet loss



Other brands
20% packet loss




itc
30% packet loss


- 80% anti-packet loss for audio, **30%** anti-packet loss for video. No blurring or severe mosaic on the screen

Main Advantages

Multi-party remote A/V conference








H.265



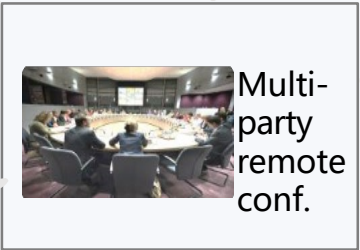
4K

Extreme HD image

2M: 4K
1M: 1080P

-  Lip sync
-  Echo cancellation
-  Noise cancellation
-  Auto gain
-  hi-fi stereo

Hi-fi sound quality, restore the real sound of the scene



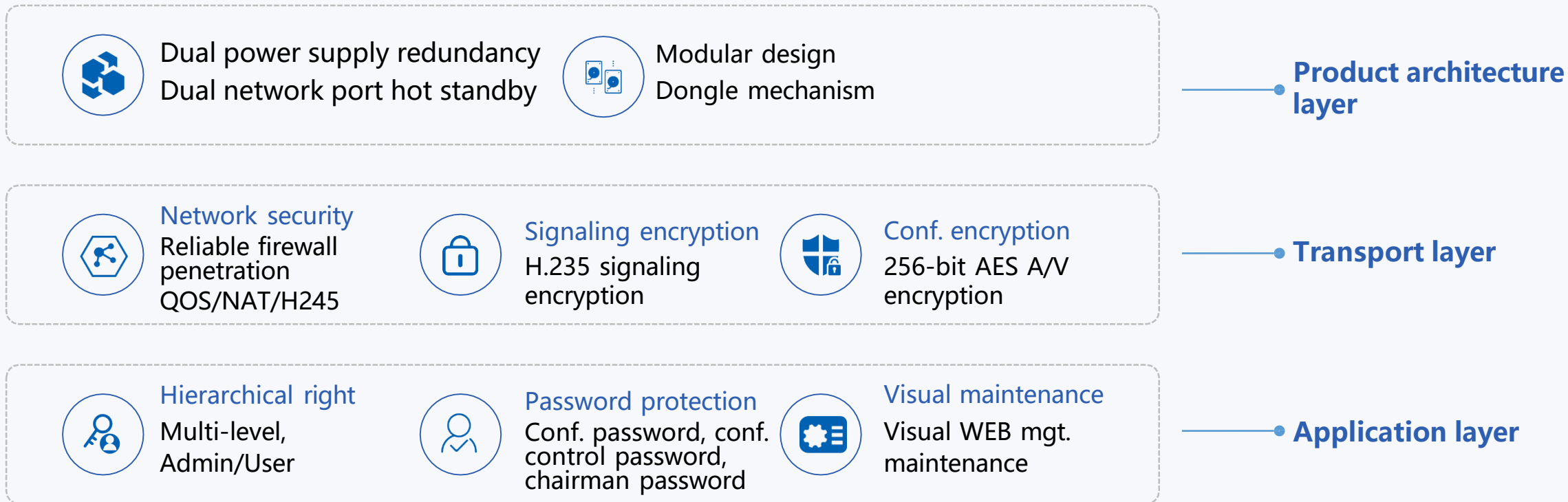
Convene multiple groups of different conferences that are independent of each other.

Rich screen layout. Auto screen splitting when someone joins; screen polling.



Main Advantages

Stable and reliable Secure encryption



- The cloud video system adopts the product design concept of stability, security and reliability. In the product architecture layer, the server supports dual power supply, dual network port hot standby mechanism, ensuring uninterrupted conferences by modularized design; in the transmission layer and the application layer, it realizes full encrypted protection of signaling + streaming media + operation management to guarantee the security of the meeting.

Main Advantages

Easy to deploy and use Smart

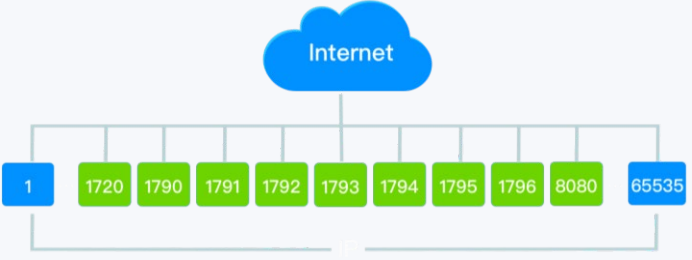

▲ Version 4.1 New UI design, more user-friendly experience





More flexible cloud deployment

Professional firewall tech, data security
 Multi-machine hot standby tech, uninterrupted conference
 Support large-scale user access

9 ports opened on the server side to satisfy the meeting use
 Support IPv4 and IPv6 dual protocols

▲ Any client can initiate or book a meeting with one click



▲ **Fast enrollment without reg.**

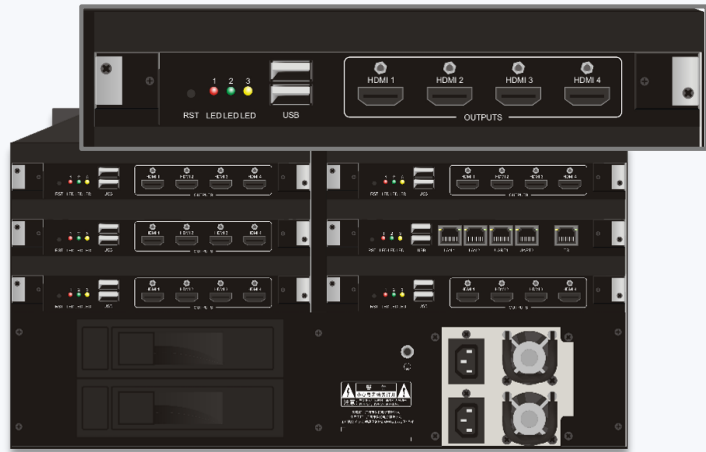
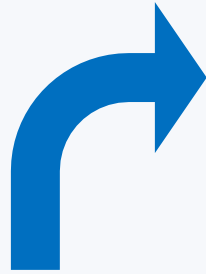
- ✓ Direct enrollment via conf. number
- ✓ Direct enrollment via code scanning
- ✓ Enrollment via WeChat connection

Main Advantages

Video wall, conference live streaming

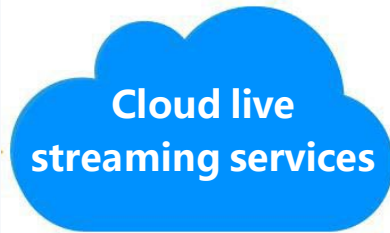
▲ HDMI output TV wall

Arbitrary output



▲ A single supports up to 500 parties cloud live streaming service, and also support streaming push function, which can push the live stream to the third-party live streaming platform.

The live stream can be viewed by the link or by scanning it with the mobile app.



Application scenarios



Support Wired

Wired access,
office preferred



Support Wi-Fi

Mobile office with
Wi-Fi



Support 4G

Support for carrier network,
enrollment anytime, anywhere

- ✓ Video conference terminal supports various network access, applicable to full-scene video conference in conference rooms, mobile desktops, outdoors or in harsh environments:
- ✓ Video conference terminal is equipped with a gigabit network port, supporting wired network connection while office access prefers:
- ✓ Video conference terminal supports optional Wi-Fi module to hold conferences by Wi-Fi, without the limitation of conference space.
- ✓ Video conference terminal supports optional 4G module to hold conferences by using the carrier network, allowing enrollment anytime, anywhere.

|| Digital conference system

Intelligent paperless conference system



Single / double screen elevators



Mobile software



Single screen flipper



Desktop terminal



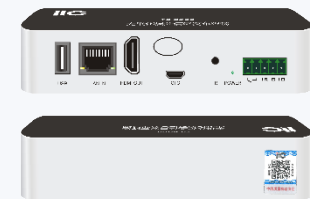
System controller



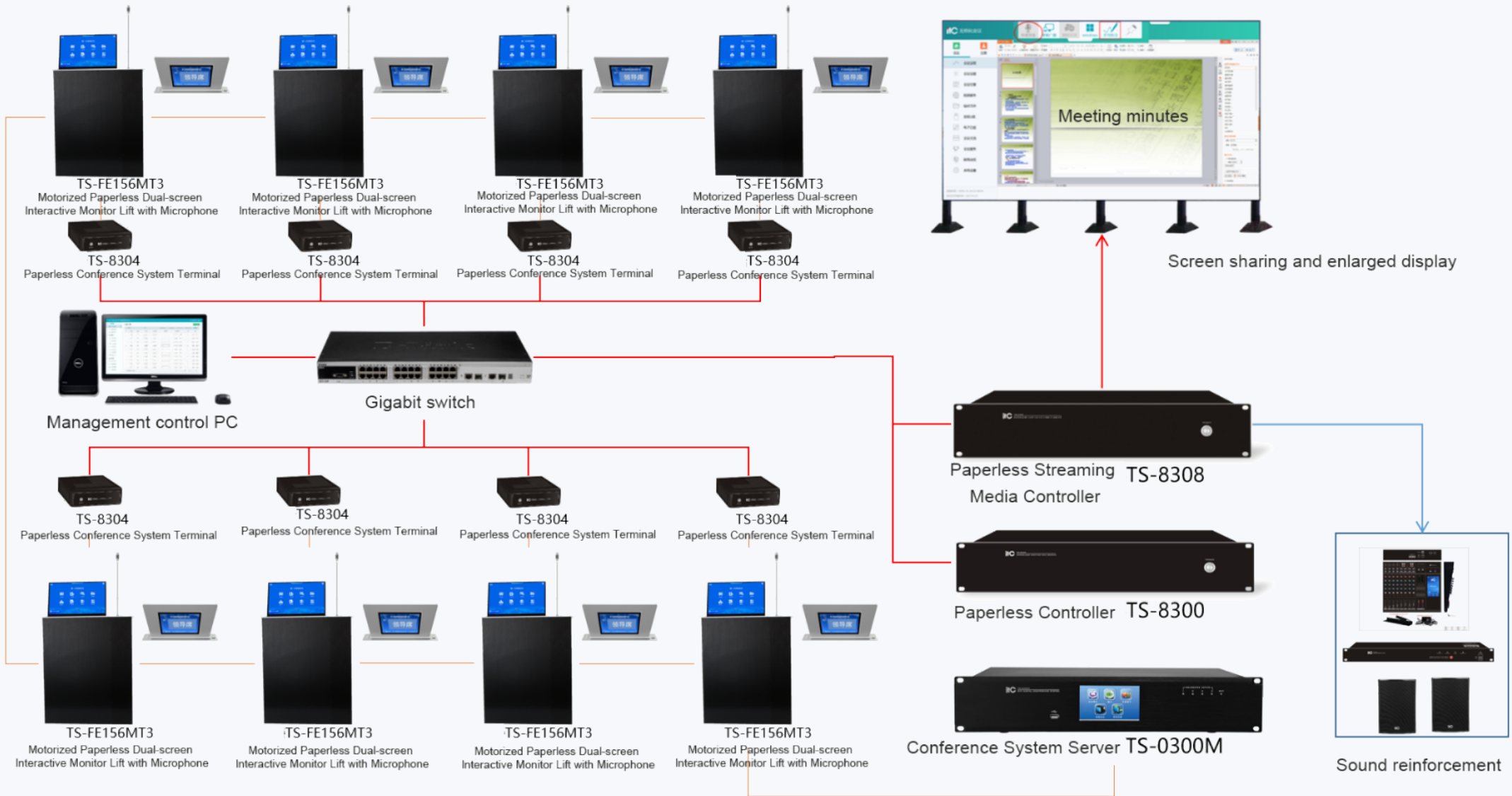
Streaming Server



Paperless terminal



Information release terminal



Before the meeting



During the meeting



After the meeting



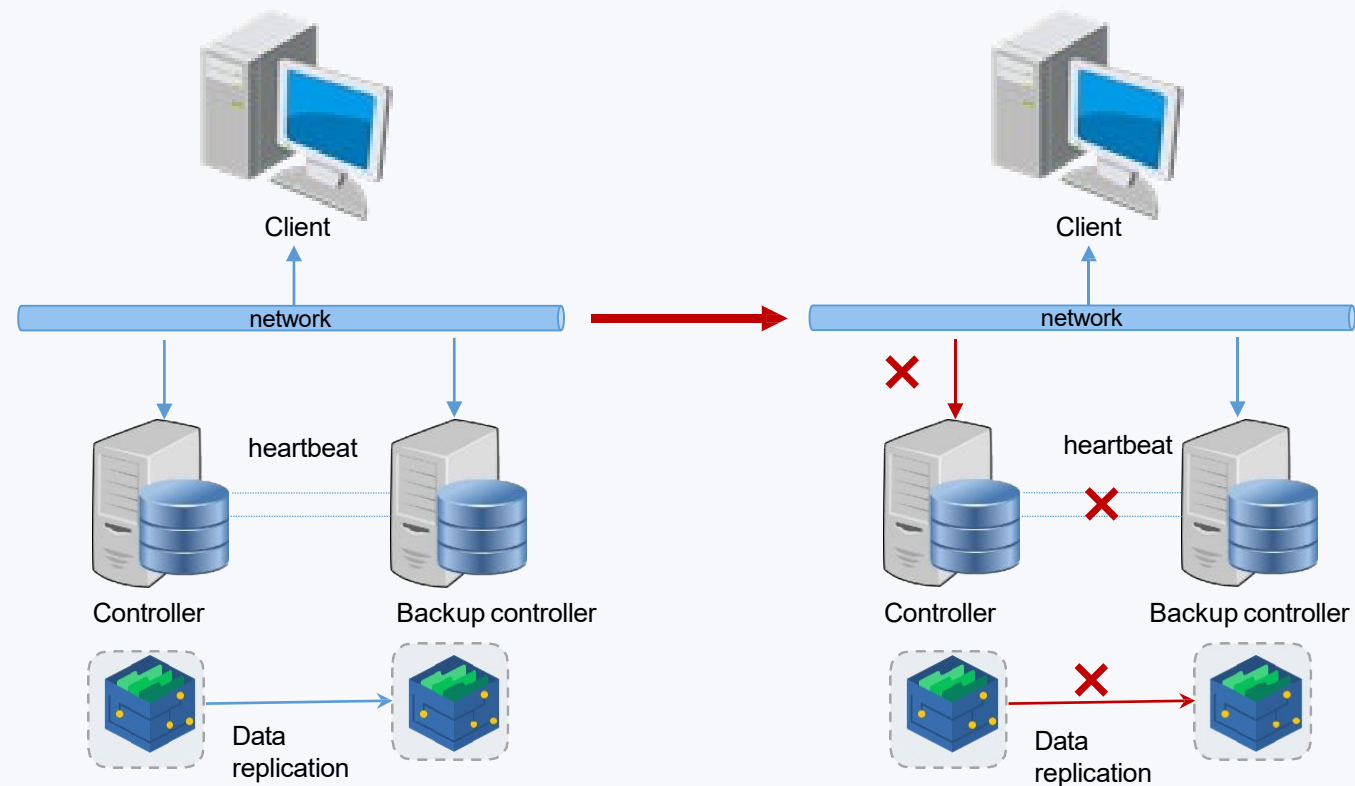
- Meeting creation
- Meeting agenda
- Join meeting
- Meeting topic
- Simulated seating arrangement
- Meeting control
- Centralized control
- Data access
- Meeting management
- Function configuration
- Meeting notification
- Meeting mode

- Meeting slogan
- Screen sharing
- Video
- Voting
- Scoring
- Sign-in
- Data reading
- VOD
- Meeting services
- Calculator
- Meeting topic
- Asynchronous browsing
- Web browsing
- Meeting services
- Handwritten annotation
- Temporary files
- Screen projection
- Electronic whiteboard
- Meeting notes
- Temporary user
- Reading permission
- Meeting minutes

- Document confidentiality
- Centralized control
- Data export
- Data download
- Tripe Management

Hot Standby

- ◆ Quickly restore business data in case of server failure or network disconnection in the middle of the meeting.
- ◆ Two paperless servers are used to back up each other. When the main server fails, it will automatically switch to the backup server to ensure that the meeting can continue without interruption.





10.1
inches



15.6
inches



17.3
inches

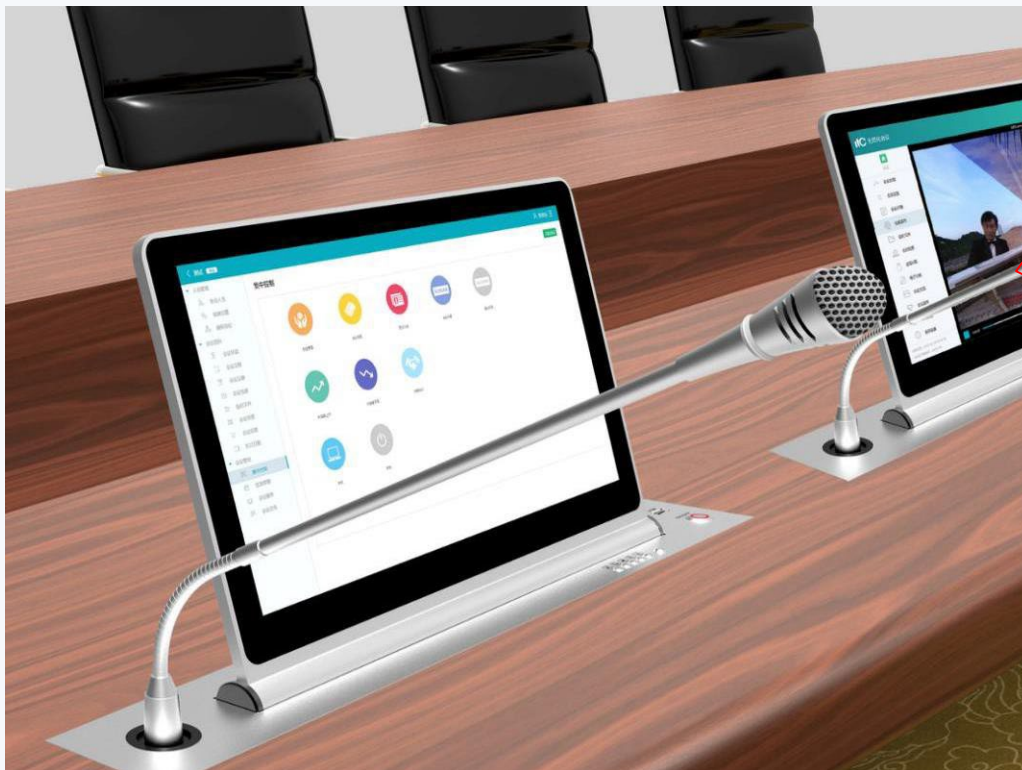


18.4
inches



21.5
inches

- Ultra-thin high-definition 1080P LCD screen design, high-definition bright display experience.
- Exquisite surface treatment technology, both appearance and texture, stable and reliable mechanical structure design, and long average time between failures.



48K sampling rate > 44.1KHz

High-fidelity CD-quality sound

20 years of audio technology R&D

- Long-distance pickup effect, loud sound without distortion
- The microphone rod can be flexibly rotated to provide a better sound pickup angle
- Capacitive touch buttons, zero noise in the venue

Application scenarios



The company holds smart paperless conferences between superiors and subordinates. It can realize a **multi-level management mechanism between the headquarters and branches, and achieve information interconnection.**



- Support **connecting with the central control system, and video conference system**; support synchronous high-definition display of the headquarters and branches; **suitable for scenarios such as quarterly summary conferences that accommodate a large number of people and need to set up sub-venues**; the administrator can start the conference with one click.
- One-click control of conference room scenes: **lifter rise**, power on, lights on, air conditioners on and temperature adjustment, curtains on, signal transmission, etc.

One-click

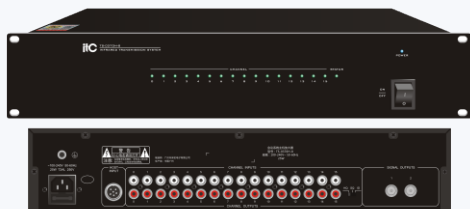


|| Digital conference system

Simultaneous interpretation system

Simultaneous interpretation refers to a kind of translation method in which the interpreter interprets the speech content to the audience without interrupting the speaker. Simultaneous interpretation provides instant translation through special equipment, **which is widely used in large-scale seminars and international conferences, diplomatic conferences, business conferences, press conferences, television broadcasting, international arbitration and many other fields.**





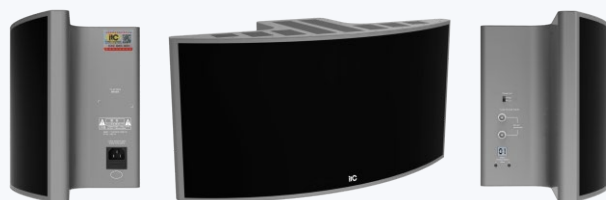
8/16-channel digital IR transmitter
TS-0370H-8/16



3rd Generation Voice Transmission
Conference Controller
TS-0300M



16-channel IR receiver
TS-0370HD



High performance IR radiator
TS-0370HS



Full digital conference system
interpreter unit
TS-0370HY



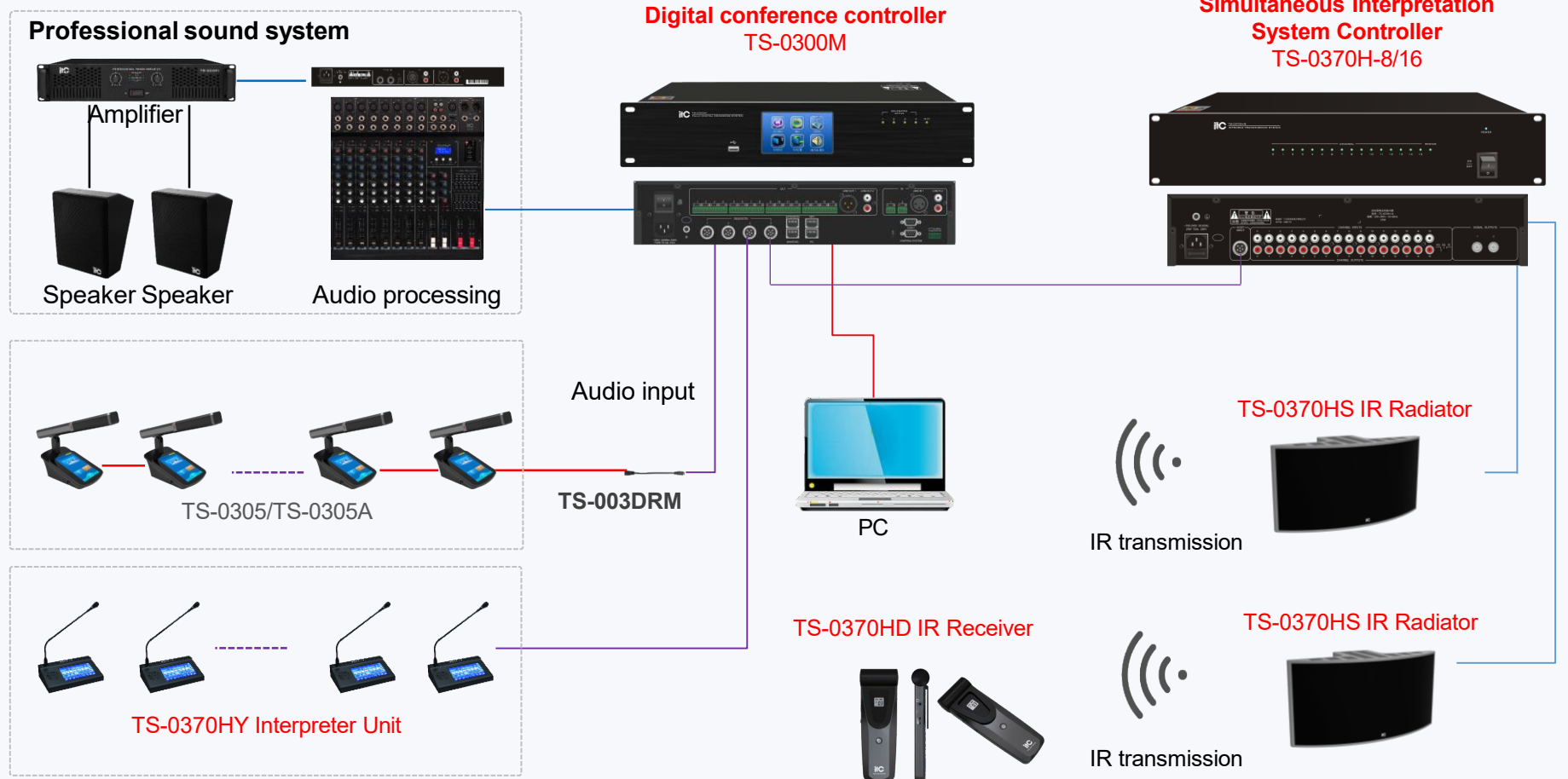
High precision aviation
extension cable
TS-05/10/20D



IR receiver charger case
TS-0370HC

The system is composed of simultaneous interpretation conference controller, voice transmission conference controller, IR radiator, interpreter unit, IR receiver, etc. Using digital audio compression coding and full digital DQPSK modulation technology, it can transmit 15 channels of translated audio and 1 channel of original audio at the same time, featuring good transmission quality, strong confidentiality, high stability, strong anti-interference ability, etc.

➤The digital infrared sound distribution system adopts the full digital modulation and demodulation technology. In the conference simultaneous interpretation system, the translator performs simultaneous interpretation of the speaker's original speech. The translated language is transmitted in the conference hall through the modulated infrared ray, and the representative selects the language to listen through the infrared receiver, and listens through the headset.





Multilingual interpretation

Support 8-channel, 16-channel and other multilingual simultaneous interpretation and conference monitoring functions, support 64 languages.



High confidentiality

Adopt full digital DQPSK modulation technology, with high security.



Low latency

Using original clock synch and transmission technology, audio delay is less than 5ms.



Perfect sound quality

With 5-band EQ adjustment function, the mic gain, volume and pickup distance can be adjusted individually, etc.



Environmental friendly

When the receiver can not receive signal for 5 minutes or the headset is unplugged, it will automatically shut down to save power.

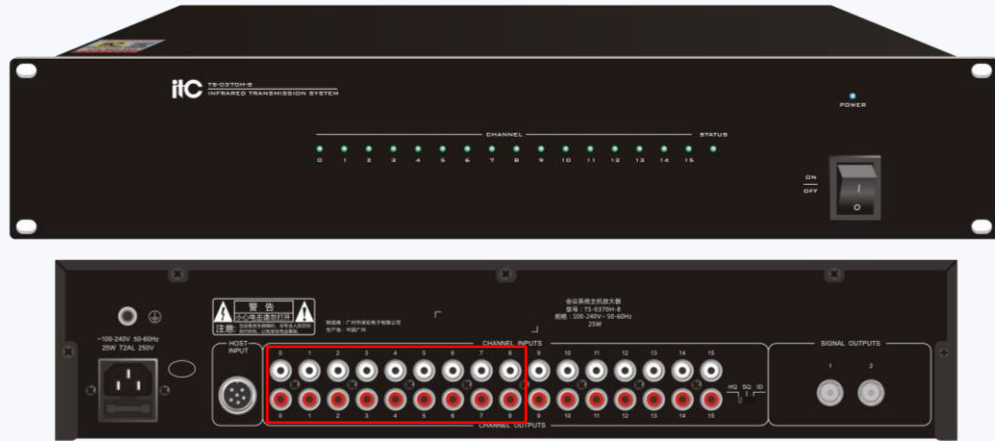


Humanized services

It supports user-friendly functions such as SMS, cough relief, tea application, slowing down, etc. to meet the application needs of various users.

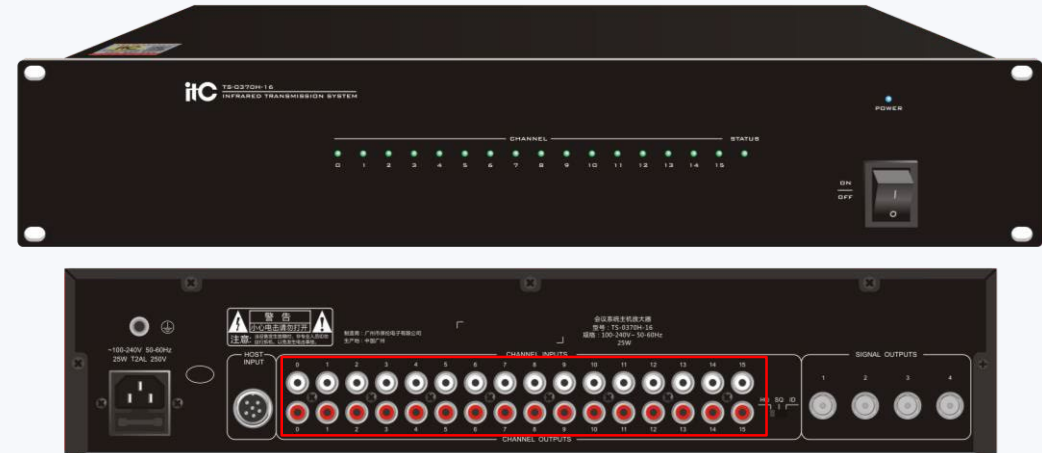
Multilingual simultaneous interpretation

- During the conference, the speaker's speech is output to the simultaneous interpretation system, and the interpreter translates the content through the Interpreter unit and transmits it to the IR receiver of the participants through the IR radiator. It supports simultaneous interpretation, direct translation and indirect translation in 15+1 languages, as well as simultaneous interpretation in custom 31+1, 63+1 languages.



8-channel digital IR transmitter
TS-0370H-8

- ① 8-channel audio input RCA interface, connected to audio source
- ② 8-channel audio output RCA interface for recording or audio

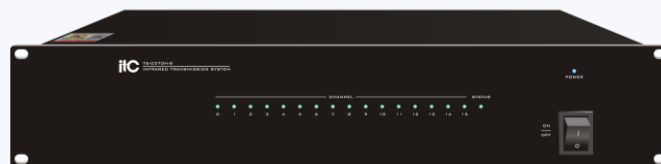


16-channel digital IR transmitter
TS-0370H-16

- ① 16-channel audio input RCA interface, connected to audio source
- ② 16-channel audio output RCA interface for recording or audio

High confidentiality

- Adopt full digital DQPSK modulation technology, with high security



8/16-channel digital IR transmitter
TS-0370H-8/16



Conference venue



Eavesdropping or malicious interference

Main Advantages

Low latency

- Using original clock synch and transmission technology, audio delay is less than 5ms.

Perfect sound quality

- With 5-band EQ adjustment function, sound effects can be adjusted according to different speakers' voice characteristics to achieve the perfect effect.

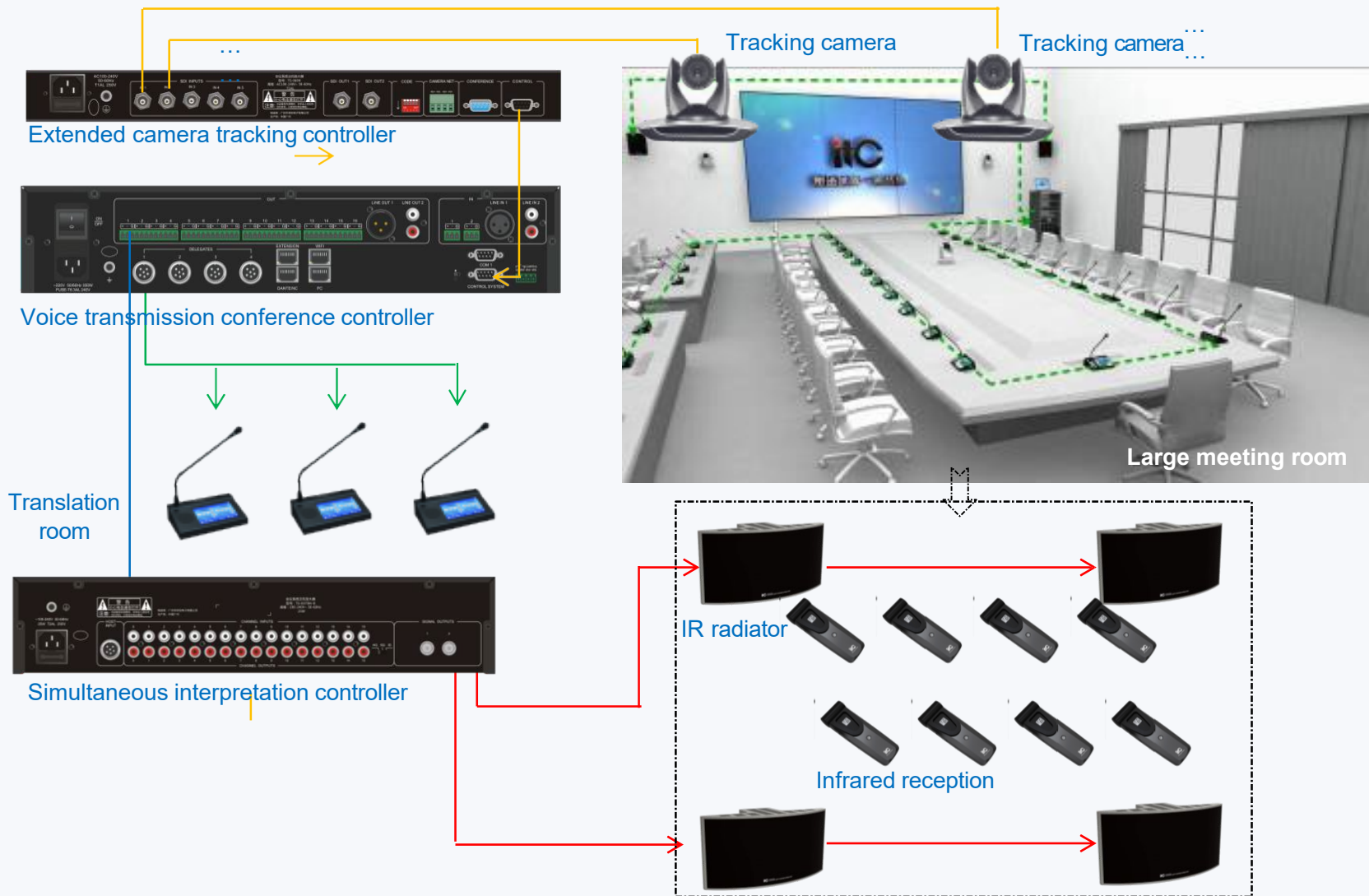


Interpreter unit
TS-0370HY



Application scenarios

- Automatic transfer of live languages:
When the live speech language is same as the interpreter, the interpretation control host can automatically switch the channel occupied by the interpreter to the on-site language.
- Tea application:
The interpreter unit has the function of tea application, which can be applied by pressing the tea application button.
- Cough and Slow function:
The interpreter unit supports the cough relief and speech speed reminder function.
- SMS reminder function:
If you encounter unexpected situations, you can send a message notification reminder.
- Speech timing function: billed by time.
- Interpretation channel lock function:
To prevent different translation languages from occupying the same channel, the system is designed with channel occupation indicators.
- Independent voice monitoring function:
The interpretation control host can monitor each channel and the live language, and supports independent volume control function.

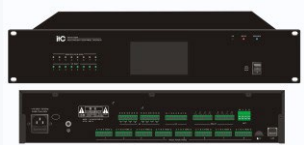


|| Digital conference system

Intelligent center control & Matrix

• Central control system

The itc central control system supports the centralized management of conference rooms by voice, mobile APP, WeChat, and tablet computers; including environmental control (air-conditioning temperature control, curtain control, light brightness adjustment), camera and projector control, projection screen and hanger lifting Control, audio and video switching control, volume adjustment and other functions. The central control system is mainly composed of **central control host, control touch screen, power manager, volume adjuster, light adjuster** and other equipment; it has the characteristics of multi-mode control, remote control, use of wireless network, centralized control, intelligent management, etc. .



**Network Central Controller
TS-9100N**



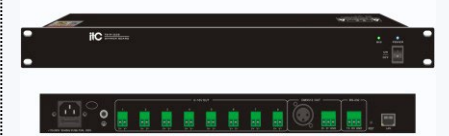
**Interactive Intelligent
Touch Screen TS-9110A**



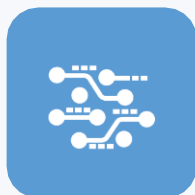
**Environmental Controller
TS-9101**



**Volume Controller
TS-9106M**



**Light Controller
TS-9103S**

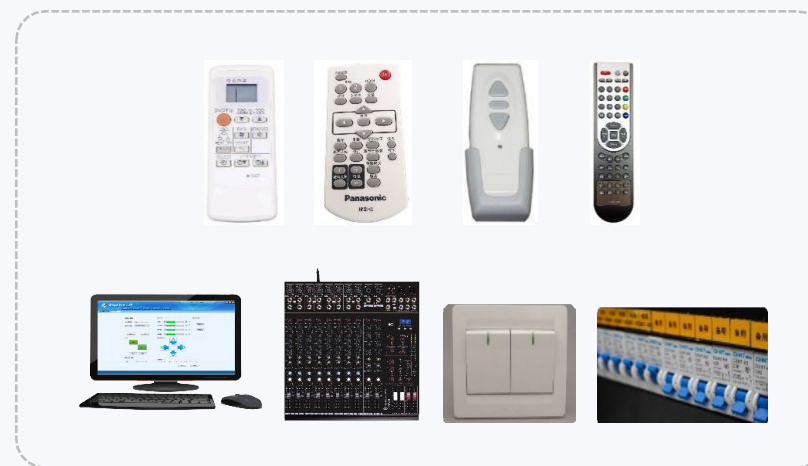
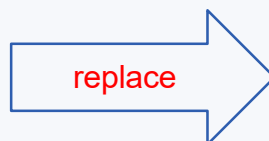


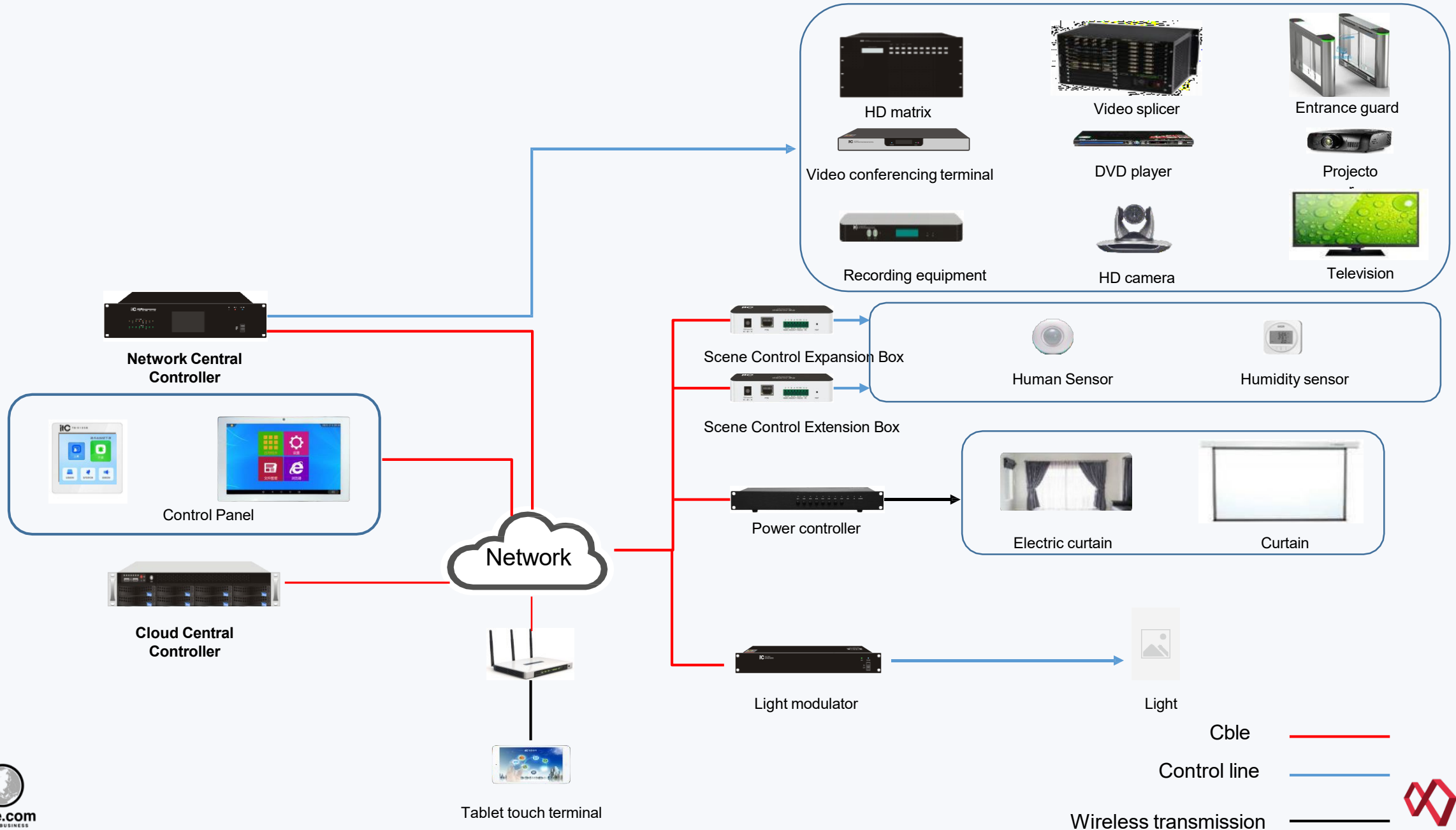
INTELLIGENT CONTROL SYSTEM

Achieve centralized control of the conference room, including environmental control (air conditioning temperature control, curtain control, lighting brightness adjustment), camera and projector control, projection screen and hanger lifting control, audio and video switching control, volume adjustment and other functions.....



centralized control



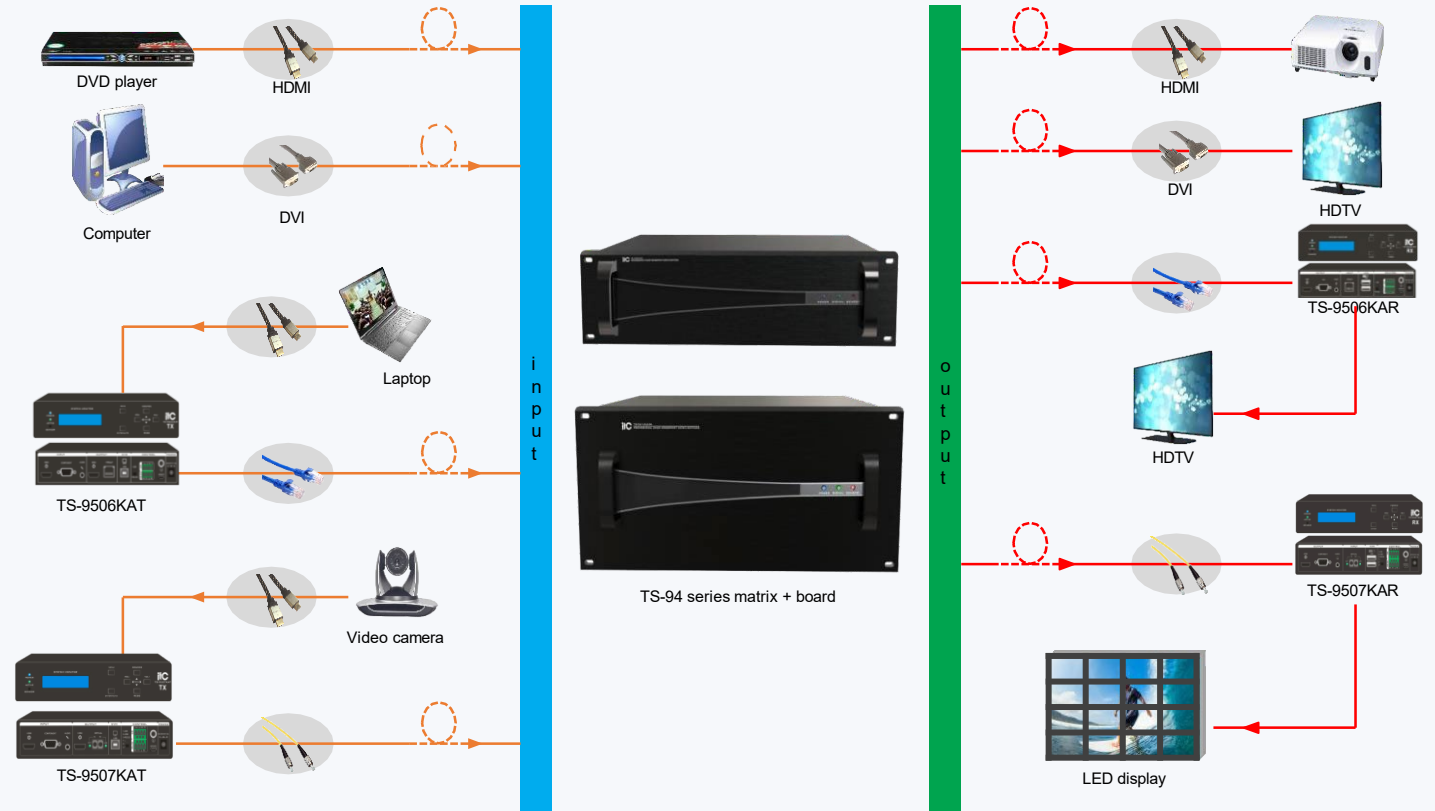




MATRIX SYSTEM

The video matrix is to switch the video image from any input channel to any output channel for display. Generally speaking, an $M \times N$ matrix: means that it can support M-channel image input and N-channel image output at the same time. That is, an arbitrary input and an arbitrary output.

Video matrix also supports audio switching function, which can switch video and audio signals synchronously, which is also called audio and video matrix.

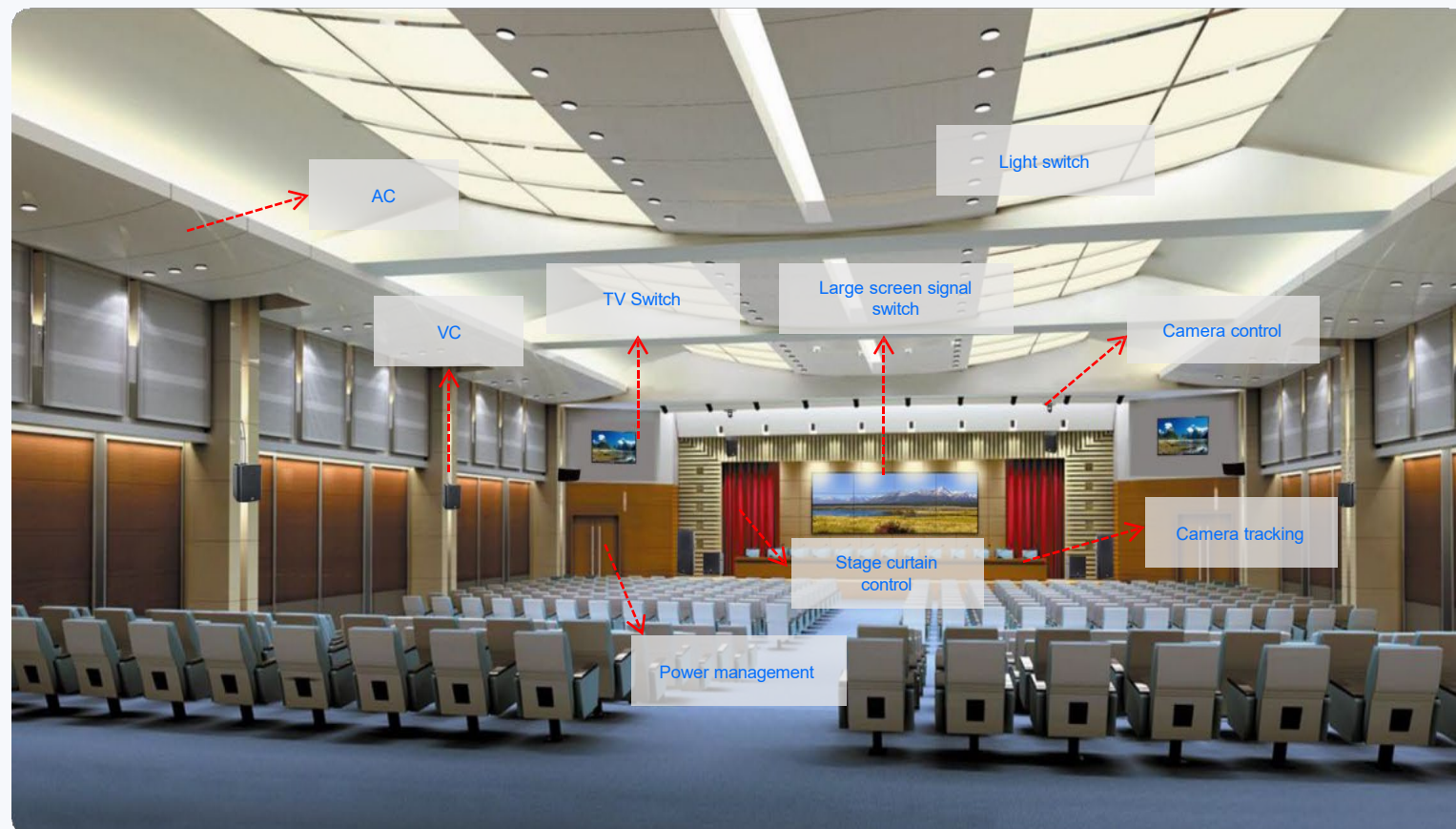


Audio and video matrix

Application scenarios

In the government and enterprise conference rooms, there are often many devices that need to be controlled, such as power switches. There are also many signals to be switched, such as video conferences. The central control system is often required to implement centralized control of conference rooms, to improve conference efficiency as well as ensuring safe and stable use of equipment. .

"Large screen video signal switching, computer room power control management, intelligent lighting control, air conditioning temperature adjustment, audio tuning, curtain opening and closing, paperless system centralized lifting, custom scenes, such as one-button switch to "emergency command mode".



|| Digital conference system

Commercial LED display screen

This project is specially developed for indoor LED conference display. It changes the original integrated unit mode, **abandons the box design**, and implements a split structure for the system and the screen. Through the in-depth development of advanced mainstream technology and suitable applications, the advantages compared with traditional systems are mainly reflected in high integration, high efficiency and convenience. **Only one main power line, one aviation plug signal line (screen control line), and one Type-C line are needed**; some lines are integrated into the box, presenting **an extremely narrow bezel, and a neat visual effect**. In addition, the modular design of the box, the deeply developed system, and the custom UI system **based on Android 11** have various functions and powerful interaction and playback capabilities. It can realize **4-screen wireless projection of Windows, Mac OS, iOS, and Android terminals**. And it provides 4 scene modes for different conference application scenarios, so that document presentation, video playback, and remote conferences can all match the best display effect. Characterized by convenient installation, perfect display, long service lifespan, high refresh rate, good uniformity, wide viewing angle, high grayscale, natural color reproduction, etc., it is suitable for lecture halls, and small, medium and large conference rooms in colleges and other display fields.

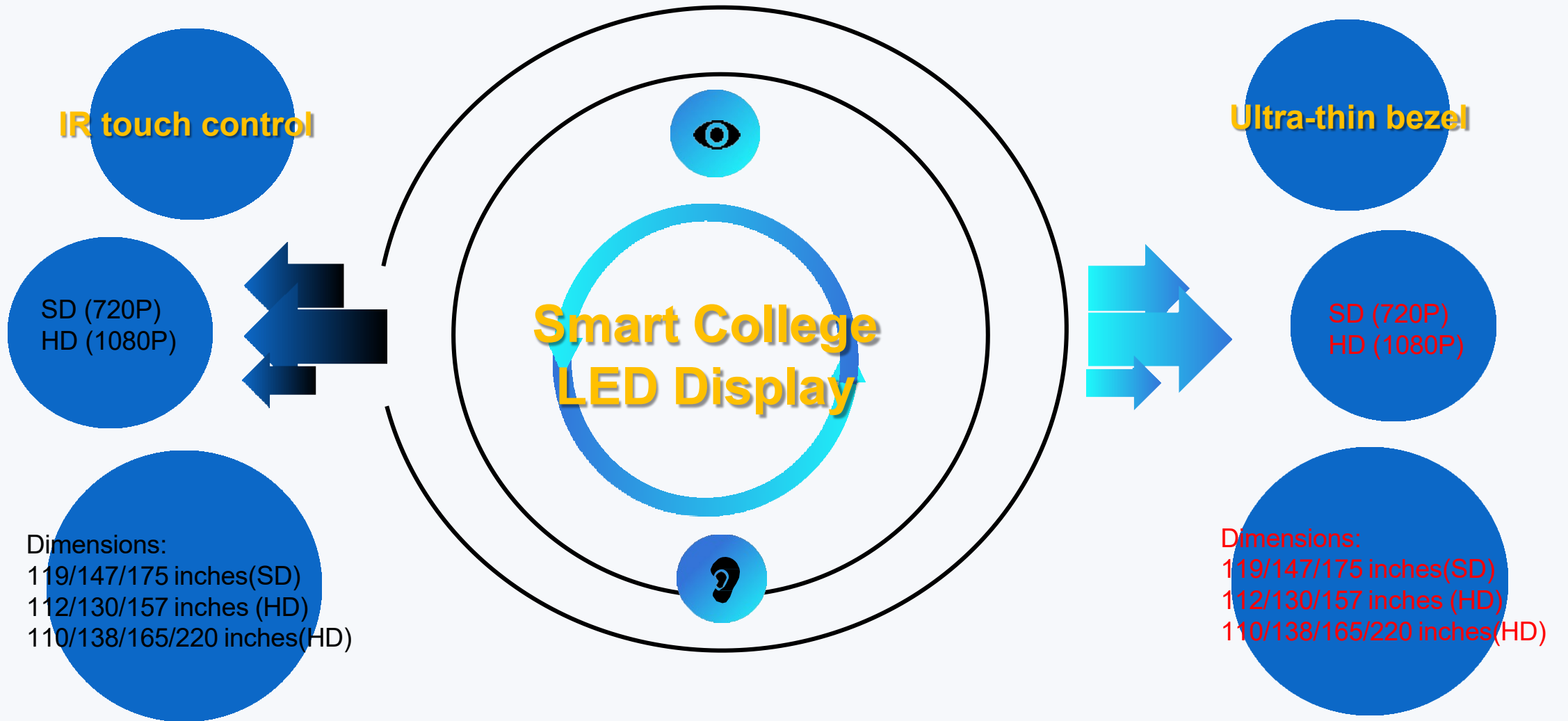


Smart Commercial LED Display

With

System Player Box







Flexible Interaction

The product supports cross-system and cross-platform access, supports mobile Android, IOS, Windows and other systems, and supports up to 4-screen display at the same time. In the process of sharing and interaction, it also supports powerful applications such as writing and approval. The standard hardware screen transfer device supports one-click screen transfer, and reverse control under Android system transfer screen.

One-key wireless screen transmission, multi-screen switching

No Professional Administrator Required



There is only one physical button



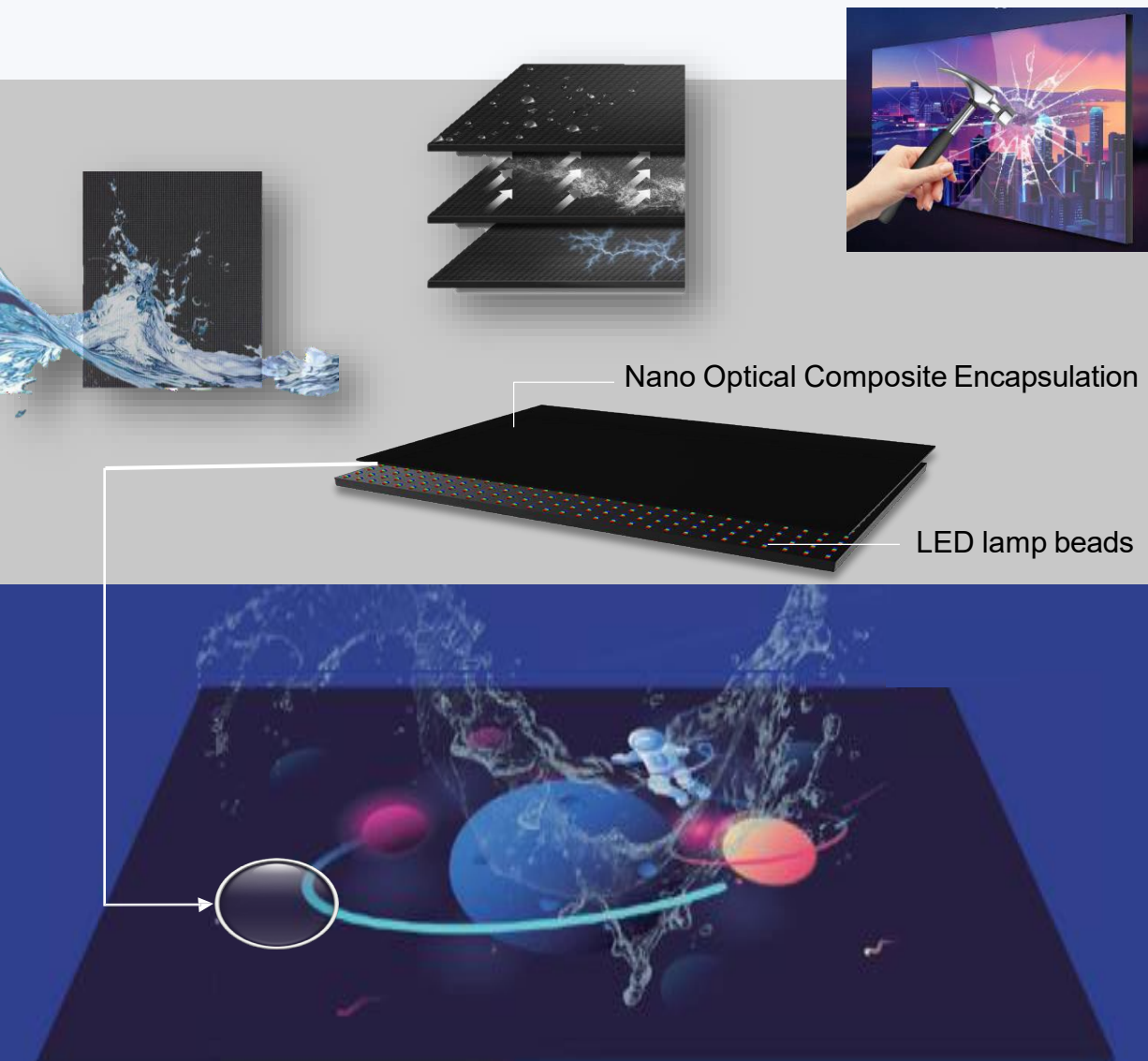
One-button automatic boot

Extremely fast boot

- It is highly integrated, which greatly simplifies the user's operation and management process. Just "Plug in the power supply and press the power button" to complete the system's power on and off operation.

Easy operation

- All operations can be performed by using the remote control, the operation is simple, no professional personnel are required, and ordinary personnel can get started without professional training



Futuristic Technology

Micron-level surface light source

Waterproof

Dustproof

Moisture-proof

Anti-collision

Anti-oxidation

Anti-static

The surface of the lamp beads is filled with polymer materials, which can highlight details such as deep gray and bright color spectrum; the screen is smooth and anti-static, touchable, and can be wiped with a damp cloth for cleaning; the overall light emission of the screen is soft, reducing the glare caused by long-term viewing, so as to bring real sensory experience to users, and improve visual comfort and experience effect.

Ultra-thin Design

The thickness of the cabinet is < 33mm, the thickness of the whole screen is < 42mm, and the thickness of the bezel is < 3.5mm.

Alloy Corner Guard

Aluminum alloy anti-collision design at the four corners of the screen body, seamless connection at the corners, safer for products and operators





No "lower forehead"

It abandons the control box design of the traditional commercial display, and there is no control box at the bottom

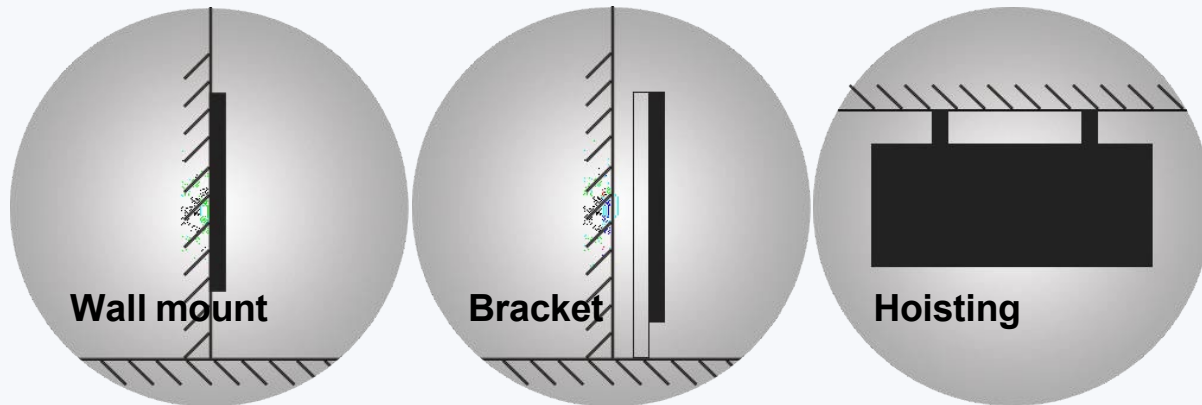
True full screen

The screen ratio exceeds 99%, and the full screen effect is neat and beautiful

Multiple Installation Methods

Multi-scenario installation design

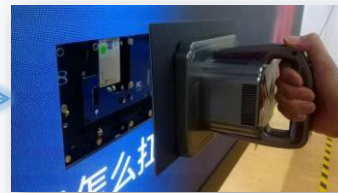
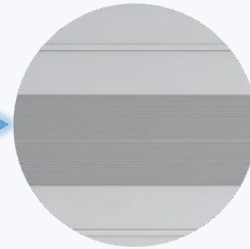
- Light in weight, it can be directly installed on wooden wall or concrete wall.
- It supports placement, hoisting, wall installation, embedded installation, etc., no need to make steel structures, and the construction period is shorter.



Player box standard size

- Standard 1U height
- It can be placed on a conference table or installed in a cabinet.





Bottomless design

Using the self-developed hard-socket design, the entire module is attached to the cabinet, which can evenly conduct the heat generated by the lamp beads, reducing the temperature by 8-10°C. The bottomless design allows enough support points to ensure that the module is not easily deformed.

Quick cooling

Industrial-grade high-density sawtooth airflow design, the heat sink accelerates heat dissipation through conduction and radiation, fanless design, and the operating noise is $\leq 10\text{dB}$

Front maintenance

Support full front maintenance mode, achieving easy installation and maintenance, saving space; support module hot-swapping, modules can be interchanged freely



Android version 11

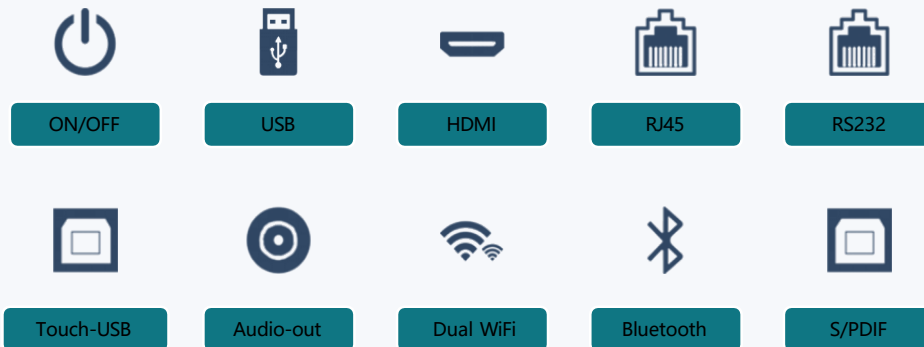
- The desktop UI system is customized based on Android V11, the system is deeply developed, and third-party APPs can be added, with various functions and powerful interaction and playback capabilities.

64-bit quad-core processor

- 64-bit processor, 1.8G CPU clock speed, 32G large memory, quad-core G52GPU powerful graphics computing capability, super hardware configuration, smooth operation without lagging.

Diverse interface

- With mainstream interface types such as HDMI and USB, rich I/O interface configuration and strong compatibility can meet the needs of multiple scenarios.



|| Digital conference system

Interactive touch screen



Create a small center for meetings

The iHUB intelligent interactive flat panel focuses on the conference field with the concept of **minimalist design and high integration**, and is built for **small and medium-sized conference scenarios**; the high-performance core helps the conference to proceed efficiently and smoothly; high-quality audio and high-precision display screen clearly present the details of each conference ; different meeting modes are designed according to different meeting characteristics to create a more professional, safe and intelligent meeting experience; rich and convenient meeting tools cover the whole process of the meeting, helping enterprises **reduce costs and increase efficiency**, so that each meeting takes **less time** to achieve greater results.



x86 architecture motherboard

Industry leading based on intel 11 generation CPU x86 architecture design, subvert the industry Android motherboard + OPS traditional commercial display system architecture; strong performance and no lag.



2.1 channel professional audio

Introduce 2.1-channel professional audio, 5 master-tuned sound effects, realize the ultimate sound experience, and demonstrate the brand strength.



Full UI true 4K display

All pages, any tool software, page sliding and other interfaces support full 4K fine visual effects, greatly improving the interaction friendliness.



Removable audio and video module

The top audio-visual module adopts removable magnetic design, physical privacy protection, easy to assembly and removal



Hybrid split screen

Adopting patented technology to realize hybrid split-screen function, which can simultaneously load videos, documents, screen sharing, browsers, whiteboards, etc., truly realizing "one screen with multiple uses".



Full process conference management

A newly built conference management platform, inheriting the professional conference gene, covering the whole process before, during and after the conference;



Teleconference collaboration

During the video conferencing process, the meeting data can be shared with one click, while supporting documents, whiteboard presenter, multi-person interactive annotations and other functions, making the remote meeting as close as possible




AI empowerment

The intelligent interactive flat panel access to voice assistant, voice transcription, biometrics and other AI services, providing a brand-new user experience


**90%
Screen
ratio**





**x86
architecture**
Restore the real writing
experience



**Smart
button**
Small buttons for smarter
operation



**Detachable
modules**
Physical privacy protection



**Accurate
sound capture**
Strong directional sound
pickup

**High-level
audio**
Ultimate sound
experience



**Built-in
NBlot
module**

**Environmental
perception**
Environmental
monitoring, sensor
linkage



**Reserve
battery**
Abnormal power-off
protection




**Watching
wake-up**



WiFi 6
Higher transmission rate,
lower latency


**Hybrid
split-screen
patented
technology**
One screen for multiple
uses, highly efficient





OCR recognition
Writing to text

**90%
Screen
ratio**


**x86
architecture**
Restore the real writing
experience


**Smart
button**
Small buttons for smarter
operation


**Detachable
modules**
Physical privacy protection


**Accurate
sound capture**
Strong directional sound
pickup


**High-level
audio**
Ultimate sound
experience



**Built-in
NBIot
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**Hybrid
split-screen
patented
technology**

One screen for multiple
uses, highly efficient



**Environmental
perception**

Environmental
monitoring, sensor
linkage


**Reserve
battery**
Abnormal power-off
protection


**Watching
wake-up**


WiFi 6
Higher transmission rate,
lower latency


OCR recognition
Writing to text

Application scenarios



Teleconferencing

Zero-barrier communication and more efficient interaction

In scenarios such as collaborative conferences in multiple conference rooms, it can meet the collaborative needs of conference participants and make conferences more efficient; realize online face-to-face communication with remote partners instead of business trips, helping to reduce costs and efficient conferences.

Video conference

Stable data transmission: smooth without lagging or frame drops

High-definition display: 4k ultra-high definition screen display, real 4K video stream transmission, ultra-real visual sense

Ultimate sound effect: high fidelity audio, restore the real human voice,

Long-distance sound pickup: Barrier-free and accurate sound pickup within a distance of 8-12M in small and medium-sized conference rooms

Voice service: voice call, voice transcription, simultaneous translation, voice control

Speaker tracking: the screen tracks the current speaker, without missing everyone's speech

Remote collaboration

Collaborative annotation: collaborative annotation interaction with remote meeting participants on documents displayed, realizing two-way collaboration remotely

Collaborative whiteboard: supports up to 20 touch points, and 20 people in different environments can write on the whiteboard at the same time, realizing multi-person collaboration and co-creation

.....

Application scenarios



Full process meeting management

Professional meeting records, information security encryption

For formal meetings that require pre-meeting preparation and post-meeting organization, iHUB provides management services covering the entire meeting process, including meeting room management, meeting scheduling management, data management, etc., solving the real problem of cumbersome meeting management and helping meetings to proceed efficiently.

Before the meeting

Meeting creation: When, Where, Who

Welcome wall:

Meeting information upload: upload meeting materials to scheduled meetings in advance

Attendee management: manage participants in the meeting

Meeting notification: SMS or email to notify participants of the meeting information

Meeting entrance screen: status, number of participants, functions

During the meeting

Sign-in management: participants sign in to the meeting and the administrator checks in

Issue management: sorting and organizing meeting information

Voting and scoring: One-click voting and scoring, data synchronization and preservation

Data preservation: all the data involved in the meeting is synchronized and saved to the background

Conference room environment management (central control): one-click management of air conditioners, curtains, microphones and other equipment in the meeting room

After the meeting

Data scanning and packaging: scan the code to take away the meeting materials, more convenient to access and communicate continuously

Smart meeting records: intelligent generation of meeting retrospective

Data management: data permission configuration for viewing and downloading

Data encryption: the uploaded and packaged conference materials are encrypted throughout to prevent leakage

|| Digital conference system

Speech to text system



Server



Voice Transcription Server TS-8611

Speech Transcription Engine TS-8611R software

Voice transcription intelligent conference

background service software TS-8670R software

- Built-in speech recognition engine, providing recording file recognition and real-time speech recognition.
- It can process audio in batches, quickly obtain text results, and effectively reduce the cost of information collection.
- Default 1-channel speech recognition concurrency capability, providing privatized deployment

Audio encoder



TX-8671-4/8/16/32

- A single audio encoder supports up to 32 channels of audio parallel capture, encoding and network transmission, which is suitable for multi-channel audio capture application scenarios.
- Adapt to digital conference controller to achieve role separation. itc proprietary digital transmission technology is used to achieve high-quality audio capture and transmission.

Application-side main control computer



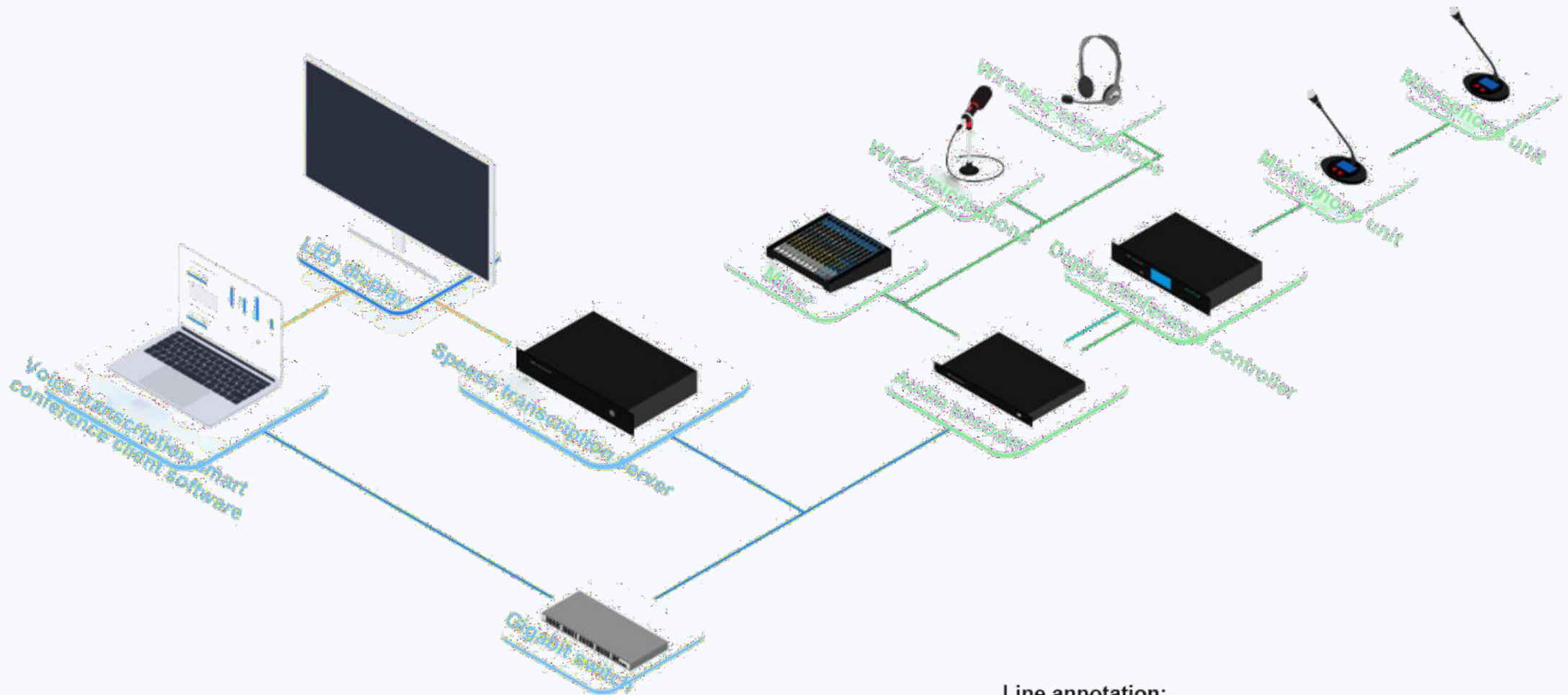
Application-side main control computer (Lenovo)

Voice transcription intelligent conference

TS-8671R client software

- User login management
- Real-time voice transcription
- Import recordings
- Conference content management
- Hardware automatic role separation
-

System Architecture



Line annotation:

- Network cable
- Audio cable
- Serial line
- HDMI cable



昨天，市政府召开全市防汛防旱指挥部成员（扩大）会议暨全市防汛防旱工作会议，研判当前形势，研究部署今年防汛防旱重点任务。市长黄钦要求切实增强做好防汛防旱工作的责任感和使命感，确保认识到位、责任到位、措施到位，牢牢把握防汛防旱工作主动权。副市长蒋敏主持会议，市政府秘书长张明康参加会议。

根据气象部门预测分析，受厄尔尼诺现象影响，今年我市夏季总降水量预计较常年偏多两成左右，汛期将呈现降水总量偏多、高温日数和强对流天气偏多的特点，防汛防台形势较为复杂。

黄钦指出，防汛防旱工作“只可备而无汛，不可汛而无备”，各地各相关部门要强化责任落实、通力配合，坚决打赢防汛防旱防台攻坚战。一要抓紧落实防汛备汛措施。扎实做好水文监测，备足备齐防汛抢险物资，强化应昨天，市政府召开全市防汛防旱指挥部成员（扩大）会议暨全市防汛防旱工作会议，研判当前形势，研究部署今年防汛防旱重点任务。市长黄钦要求切实增强做好防汛防旱工作的责任感和使命感，确保认识到位、责任到位、措施到位，牢牢把握防汛防旱工作主动权。副市长蒋敏主持会议，市政府秘书长张明康参加会议。

根据气象部门预测分析，受厄尔尼诺现象影响，今年我市夏季总降水量预计较常年偏多两成左右，汛期将呈现降水总量偏多、高温日数和强对流天气偏多的特点，防

□ Large screen real-time subtitles

Real-time screen projection of subtitles for integrated conference speeches. It can realize extended screen projection or independent large screen projection. High-quality low-latency streaming speech recognition technology makes subtitle display more real-time.



Custom logo

Font position

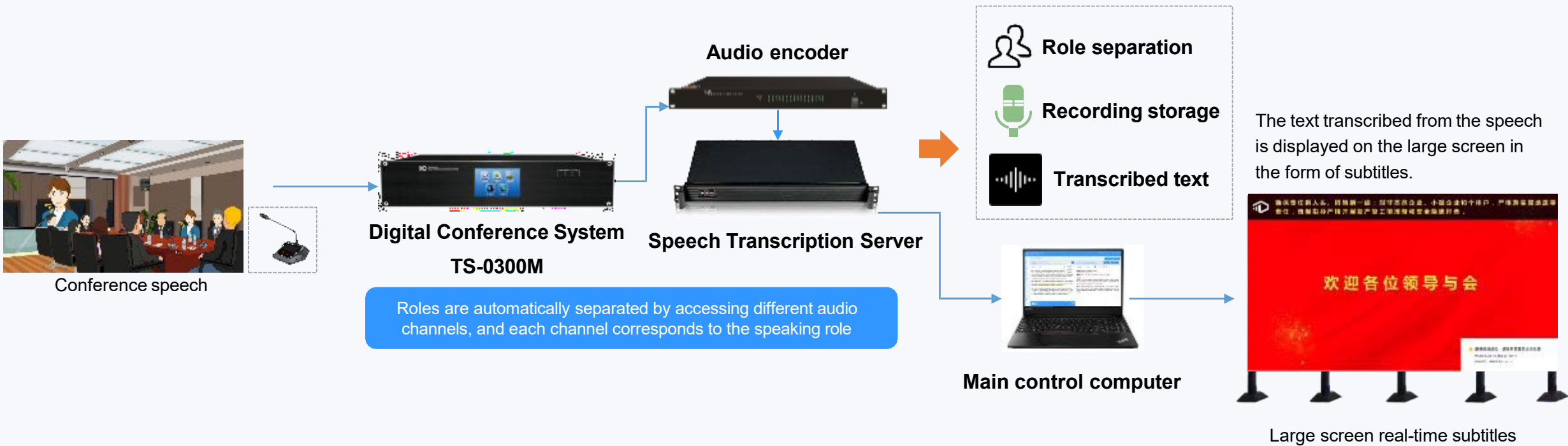
Font size

Color

Main Advantages

□ Role separation

During the meeting, the initiators, participants, chairmen, moderators, and secretaries of the meeting can be separated into roles and automatically recognized as text in real time, and the text transcribed from the speech can be placed in the form of subtitles for large screen display.



|| Digital conference system

Conference management system

Smart conference management platform

The smart conference management platform is used to solve the lack of conference resources and improve the efficiency of conference affairs. It can edit, transmit, and manage multimedia information through the network to realize multimedia display and information release onto the network. Relying on the SaaS cloud computing model, and using the end-to-end pure digital transmission, the platform can realize the remote centralized management of the corporate internal conference devices. It is widely used in enterprises, banks, hotels, CBD office buildings and other places.



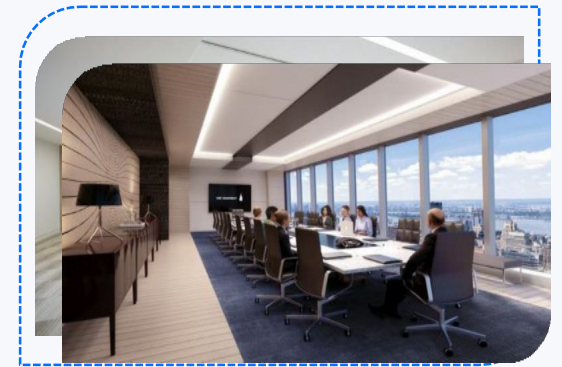
Enterprise



Bank



Hotel



CBD office building

Server



TR-0600C/cloud server lease, applicable to scenes where the number of users < 2,000, and the server needs to be deployed on the public network



TR-0600T: Applicable to scenes where the number of users < 1,000
TR-0600A: Applicable to scenes where the number of users is 1,000 ~ 2,000



TR-0600W: Applicable to scenes where the number of users is 2000 ~ 5000

1U3 blade server



Standard module

Installed on the server, it is the core of system operation, data exchange, etc.

Role management

Location management

Voting management

Logistics service

Environmental control

Device management

SMS recharge

Process approval

.... ..



Membership module

Used for personalized customization, special production, etc.

Attendance management

Asset management

Seating management

Information release

Human detection

Entrance management

Visitor management

ITSM

Developing...

Tips

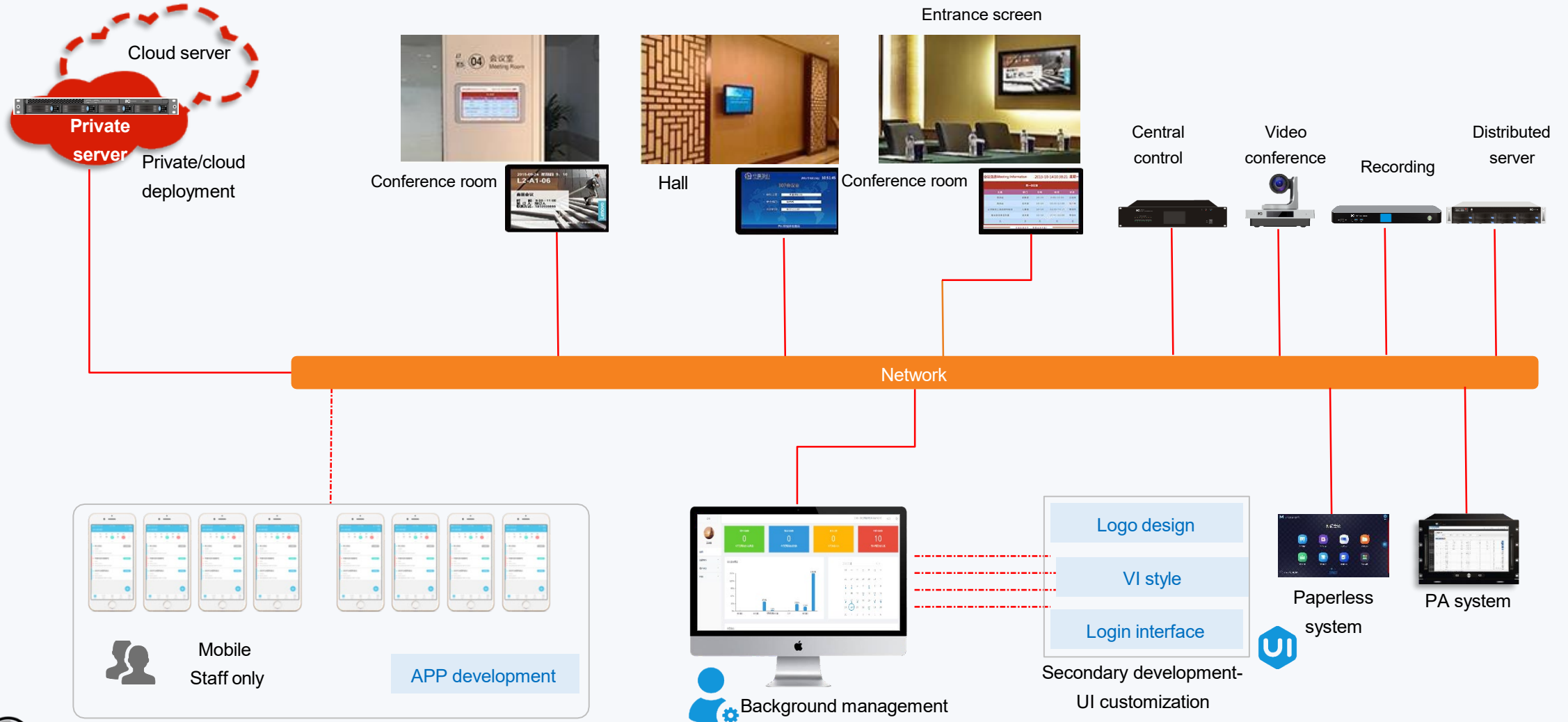


● Standard module

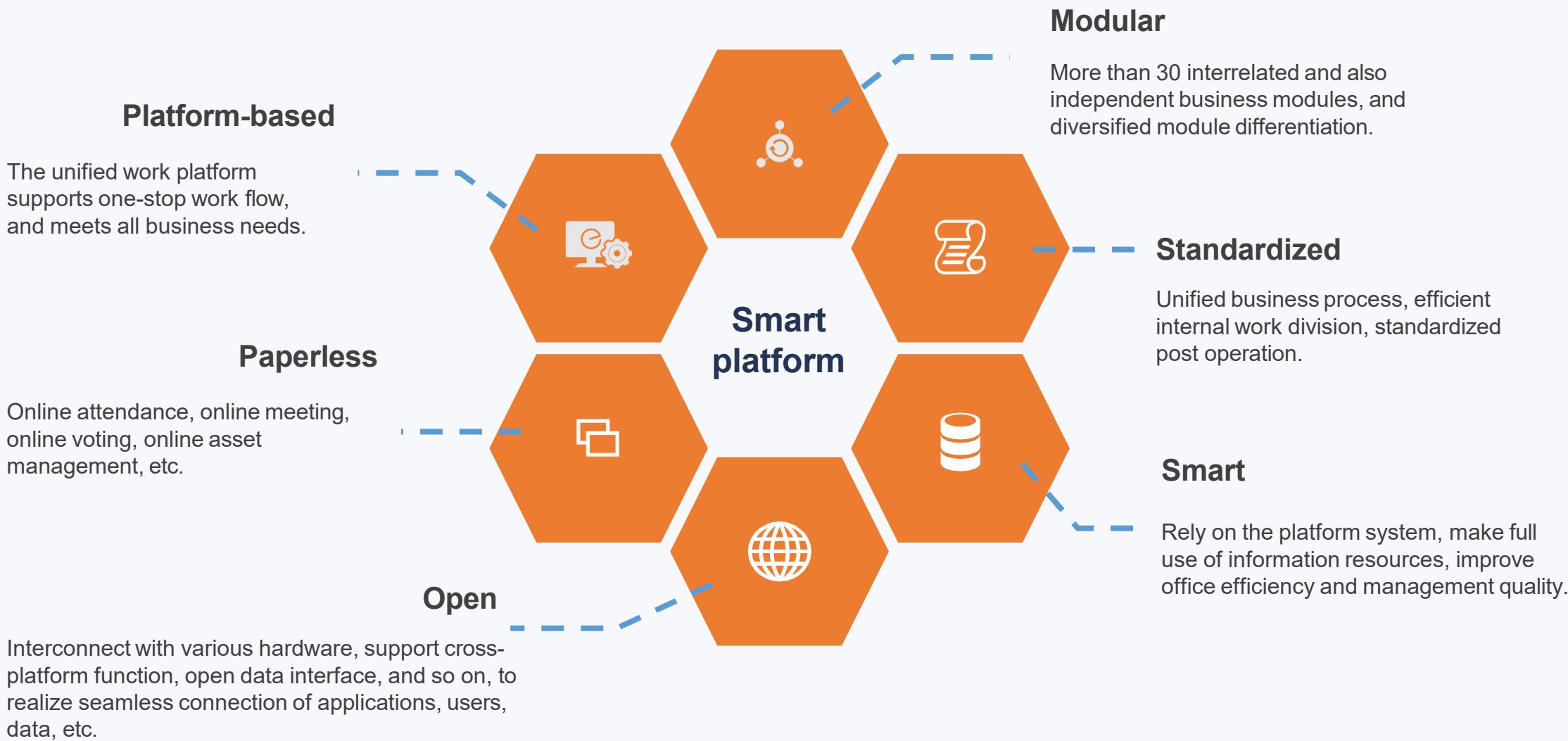
Supporting flexible business collaboration, and multi-channel conference device management, it can meet the office needs of small and medium companies.

● Membership module

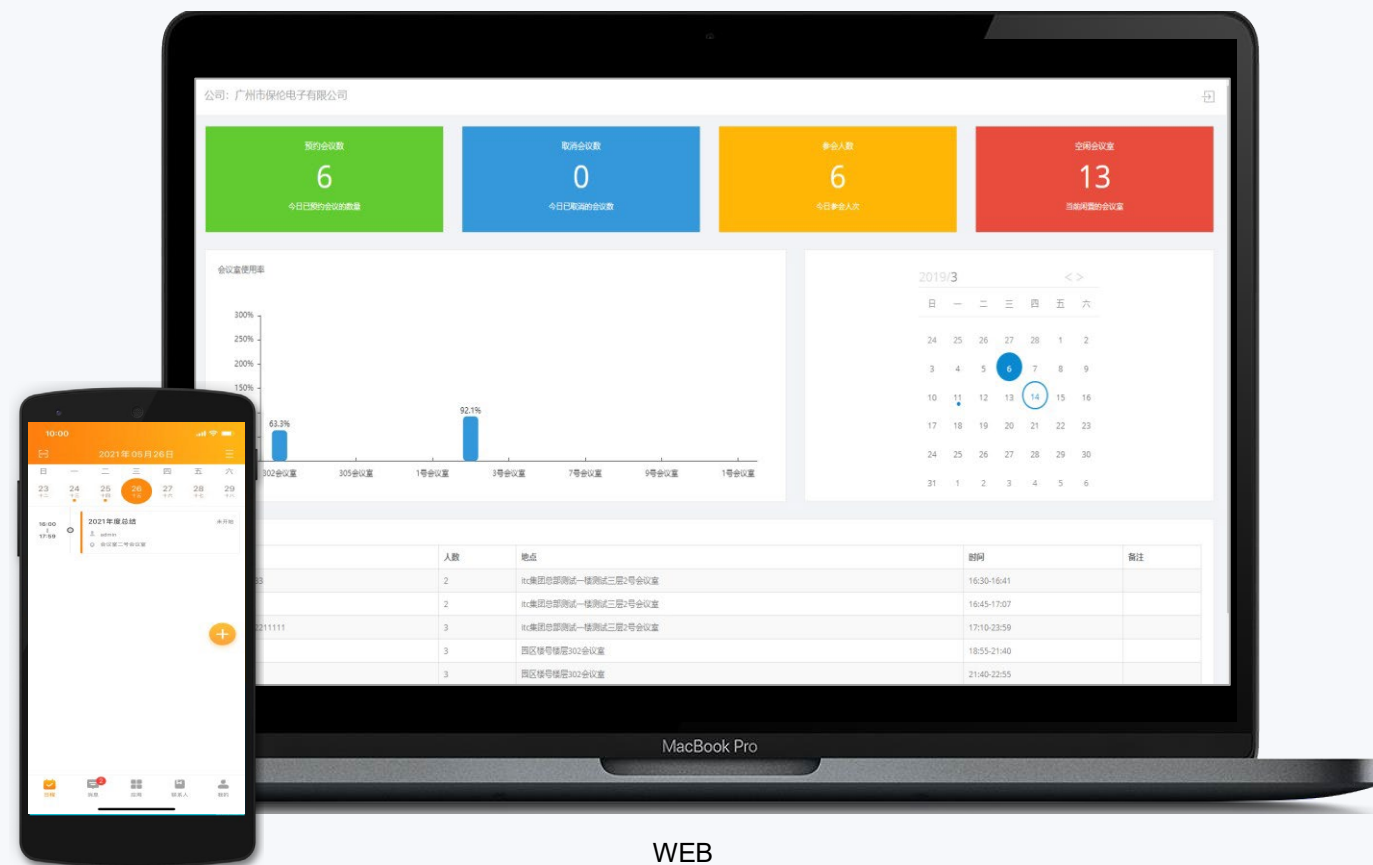
It can cover multiple business scenes in small and medium companies, and provide differentiated corporate management cloud services for companies of different sizes.



Main Advantages



- 1 Display all conference information, including conferences initiated by oneself and invited by others
- 2 Support switching of schedule view: list view, day view, week view, month view
- 3 Support perpetual calendar, you can view calendar information and weather information, etc.
- 4 Scene service: support synchronous update of itinerary information, such as train tickets, hotels, etc. (Third-party charges are calculated separately)



Mobile terminal

WEB side

Auto review

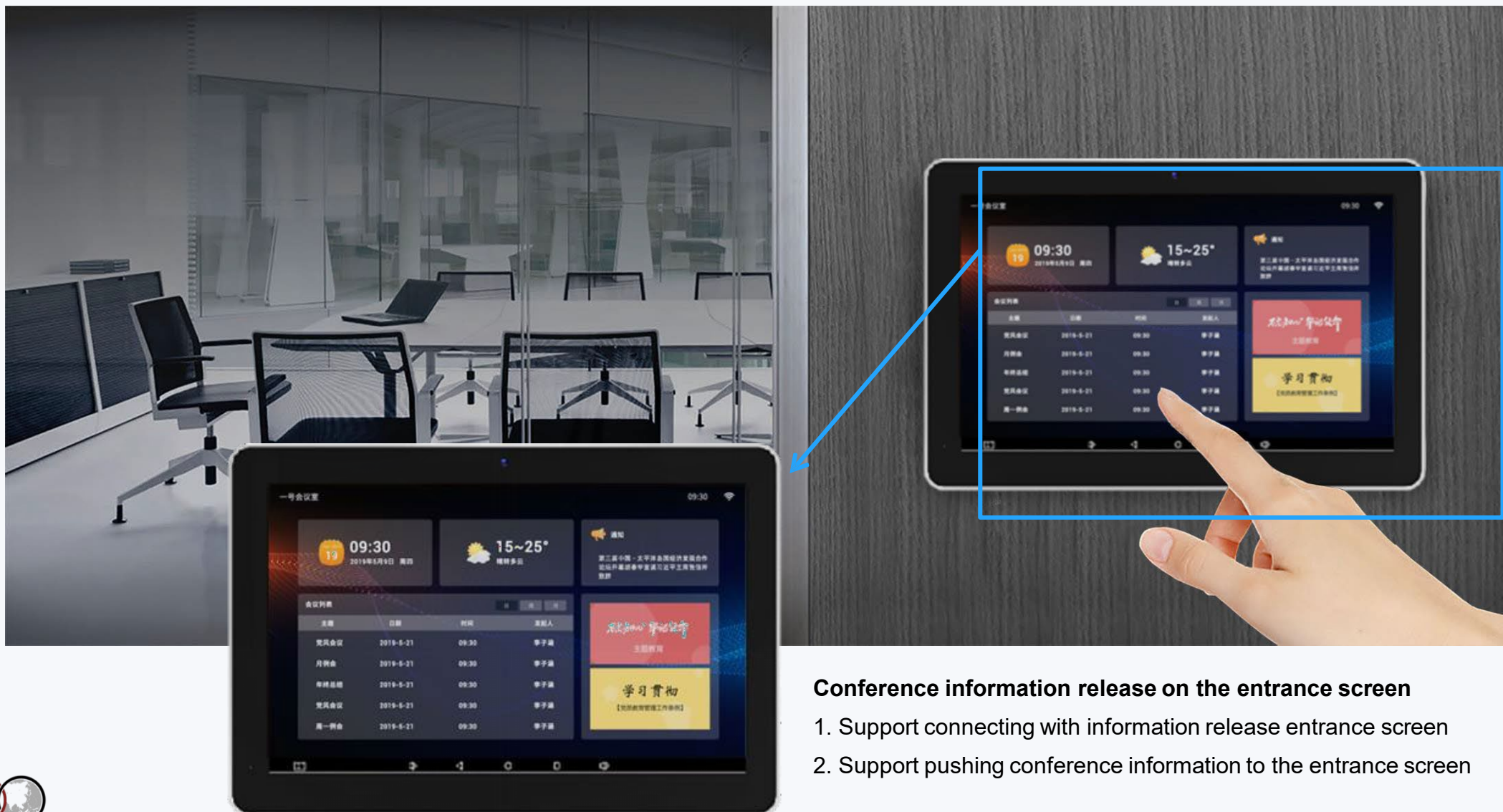
- 1.The initiator submits the conference appointment information
- 2.The appointment information will be automatically reviewed and approved, and relevant participants will be notified



Manual review

- 1.The initiator submits the conference appointment information
2. The conference information is synchronized to the reviewer
- 3.The reviewer can approve or reject the conference after viewing the details
- 4.The review results are automatically sent to the initiator, and the conference notification is sent to the relevant participants

Note: The manual review mode is suitable for larger and important conferences



Conference information release on the entrance screen

1. Support connecting with information release entrance screen
2. Support pushing conference information to the entrance screen



QR code sign-in

1. Participants can use the cloud conference APP to scan the QR code on the initiator's phone or Web to complete sign-in.
2. Initiators can check the number of people who have signed in and who have not through the conference sign-in statistics.

Entrance screen sign-in

1. The initiator send the sign-in QR code to the entrance screen; participants can use the mobile APP to scan the code to complete sign-in.
2. Initiators can check the number of people who have signed in and who have not through the conference sign-in statistics.

Face recognition sign-in

1. The administrator enters the staffs' face information into the database
2. Participants can sign in through face recognition
3. The initiator can check the number of people who have signed in and who have not through the conference sign-in statistics
4. It is free to connect to itc face recognition. And connecting to a third party requires to charge a fee.

Application scenarios

where we can design conference systems?



Enterprise



Bank



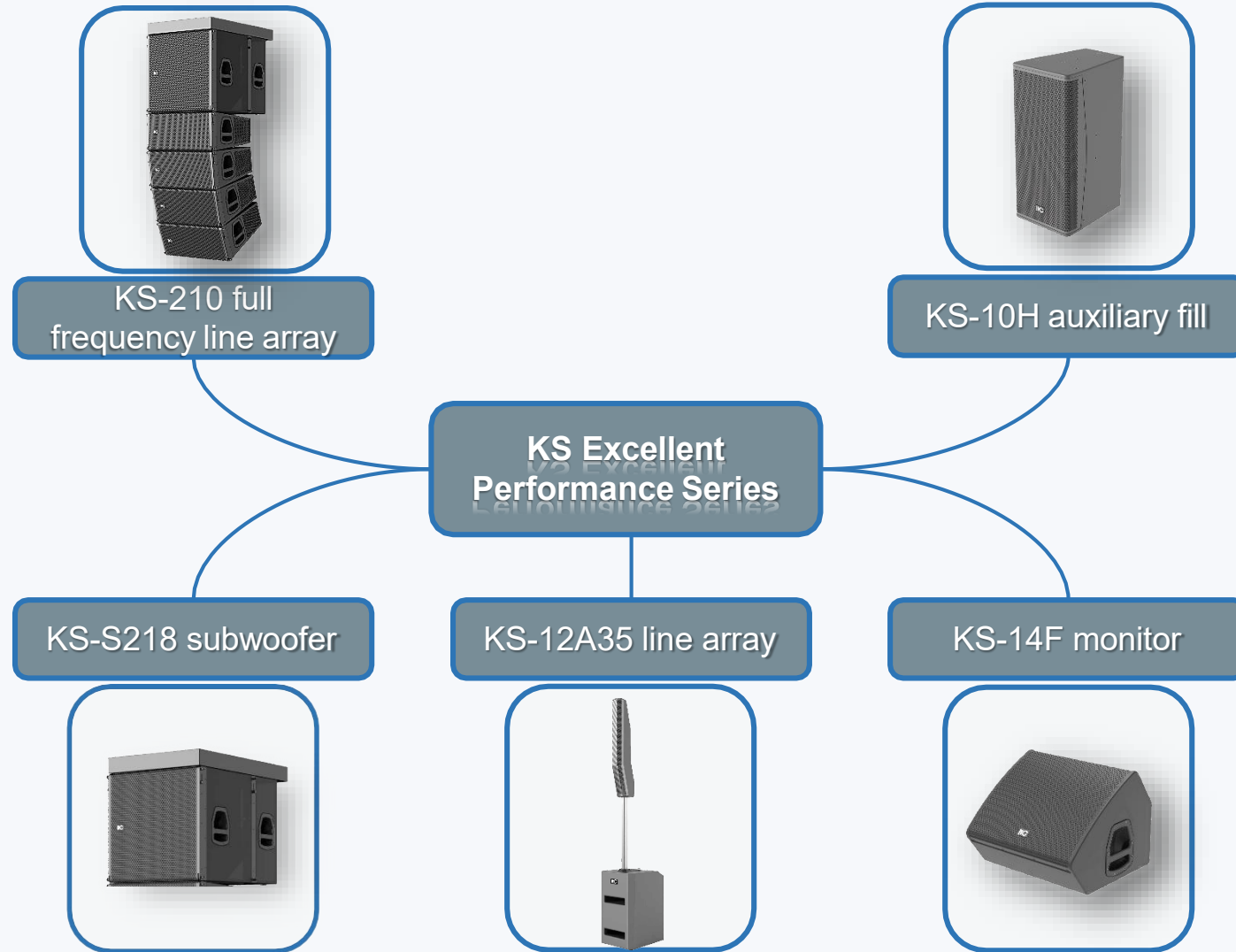
Hotel



CBD office building

|| Prosound + lighting and LED video wall

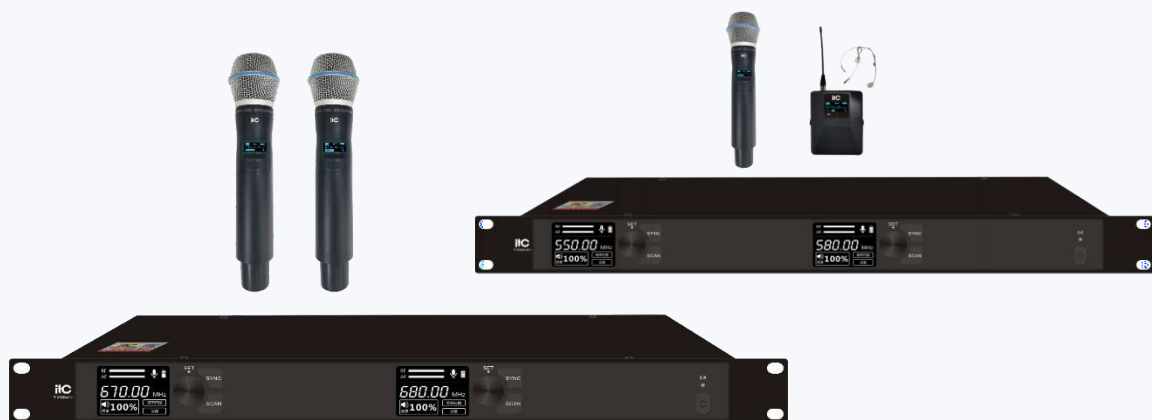
Performance grade sound reinforcement system





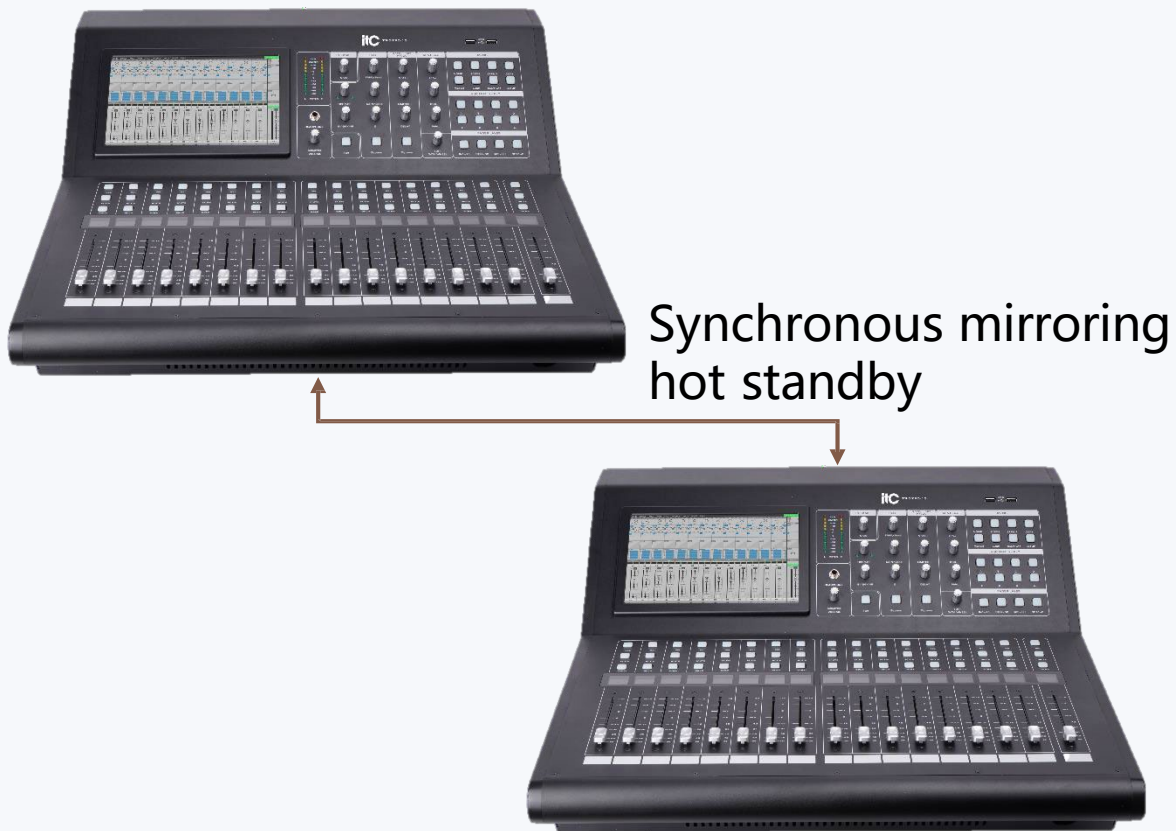
Highly restored human voice Make speech enjoyable!

High-end digital wireless microphone



T-592UH/T-592UV/T-592UL Professional digital U-band wireless microphone Benchmark SHURE SM58 sound quality

- Unique ID code encrypted transmission
- Prevent co-channel eavesdropping or crosstalk
- Replaceable high performance pole head
- No interference noise even with a phone near the microphone
- With reverb and EQ adjustment & customized tone
- Mute when dropped
- Adjustable transmitting power
- Ergonomic design, comfortable grip
- 540MHz-590MHz 640MHz-690MHz
- Delicate high-frequency sound, pure low-frequency sound
- Suitable for sound reinforcement places including lecture halls, auditoriums, stadiums, banquet halls, medium and large conference rooms, etc. for human voice restoration



TS-32PD-12 Professional digital mixing console Benchmark MIDAS M32

Chinese-English interface switch display

Main and standby mixer mirroring operation
simultaneously

High stability and security

Customized hotkeys for quick switching

Customized physical interface and central control
scene switching

Support APE, FLAC, MP3, WAV lossless audio
formats

iPad touch screen full-featured control

Real-time data synchronization

Suitable for important sound reinforcement places including lecture
halls, auditoriums, stadiums, banquet halls, medium and large
conference rooms, etc.



High-end MIR audio processor



TS-P480MIR

FIR+IIR filter fusion

AEQ automatic EQ function

Intelligent optimization of the system itself

Ultra-low system latency

Direct import of SMAART data optimization function

Optimized adjustment of frequency phase

Dynamic processing technology

Dynamic loudness technology in line with "human ear equal loudness contour"

Dynamic compression function with moderate sound stiffness

Suitable for a variety of high-end performance sound reinforcement and conference venues



Performance Series Professional Digital Amplifier

This series is the most technologically advanced digital professional amplifiers on the market today. Available in 2 and 4 channel models, this range of amplifiers is characterized by powerful functions, high performance, stable quality, high reliability and equipment durability. The sound quality is characterized by powerful bass and clear and bright alto/treble. This series of amplifiers is suitable for large-scale sound reinforcement and tour performances such as medium and large theaters, outdoor performances, theaters, stadiums, clubs, nightclubs, bars, rentals, auditoriums, banquet halls, and concerts.

2-channel models:

TC-2500

TC-2700

TC-21000

TC-21200

TC-22000 (release date: April, 2023)

4-channel models:

TC-4500

TC-4700

TC-41500 Series



Main Advantages

HIFI Music Enjoyment

Elaborate modulation circuit, high-performance parameters, high-fidelity sound quality.

Trusted Professional Amplifier

The advanced and stable amplifier circuit architecture is escorted by multi-level protection circuits.

Shocking Low Frequency Experience

Ultra-high power reserve, stronger dive low-frequency effect, more amazing music experience!



High Efficiency and Energy Saving

High-efficiency digital amplifiers provide superior energy-saving and environmental protection effects.

Lower Costs for System Integration

To achieve **ultra-high power density** with a 1U structure, high-power audio output, better system integration, and lower transportation costs and project integration costs.

Good Warranty and After-sales Services

Three-year warranty and a large team of after-sales engineers provide you with 24-hour high-quality services.

Main Advantages



KS-210 Line Array



KS-S218 Woofer

Excellent Performance Series High-end line array speaker KS-210

Beam steering technology

Dual 10-inch four-way two-drive design

Beam point steering with full frequency band

Can achieve ease focus simulation and compatible with fir maker

High-end woofer KS-S218

Smallest dual 18-inch woofer

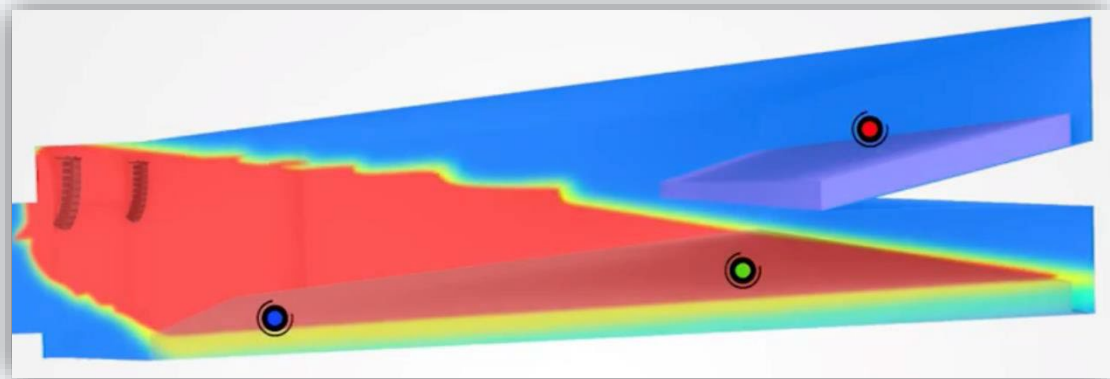
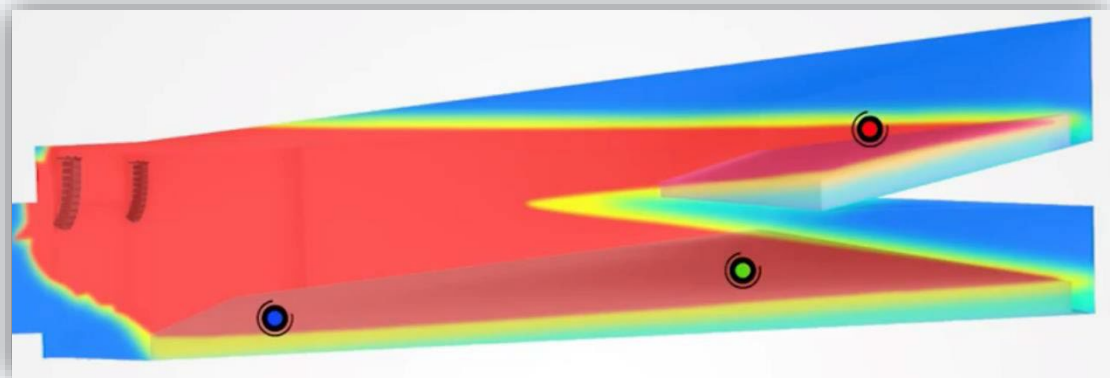
Double 18-inch energy and single 18-inch size

Frequency response range: 28-150Hz

Maximum sound pressure level: 140dB/147dB

Rated power: 1600W

Main Advantages



Support FIR maker

Excellent performance series

**High-end linear array speaker
KS-210**

Beam control technology

Dual 10", four-frequency-division two-driver design

Full-band beam pointing control

Enable to implement ease focus simulation and
compatible with fir maker

Suitable for sound reinforcement places such as theaters, lecture
halls, auditoriums, cultural&tourism performance venues,
banquet halls, large bars, etc.

Application scenarios

Advanced multifunctional lecture hall

ITC has developed a one-stop solution that integrates LED screens, professional sound reinforcement, stage lighting, distributed central control, digital conferences, high-definition recording, and other systems according to the needs of different lecture halls such as school conference sound reinforcement and cultural performances. The solution includes ultra high definition display, high fidelity sound quality, multi-mode lighting, wireless conferences, and high-definition recording, meeting the needs of various large-scale conferences, academic lectures, lecture sessions, parent teacher meetings, speeches, competitions, and other scenes in the school, At the same time, it also has artistic performance functions, bringing a perfect conference experience to teachers and students.



Application scenarios



This project adopts multiple application modes:

Stereo adopts KS-210 beam control linear array

Immersive sound adopts an inside system, using 8 sets of immersive sound speakers KS-10H, equipped with SPAT immersive sound server, combined with WFS wave field synthesis algorithm, to track audio position information in real time and achieve holographic sound display in space. Simultaneously balancing band performances, singing, drama and other forms of performance. Real time switching between stereo and immersive sound



|| Prosound + lighting and LED video wall

HD LED Screen

screen part



cabinet

receive card

power supply

Module / Unit Board

Driver IC

PCB circuit board

lamp beads

Control System



sending box



video processor



Stitching Processor / Stitching

Power supply part



Distribution box



Mobile electric box

Note: The receiving card is embedded in the box

System Architecture

input source



DVD



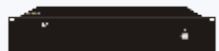
notebook



camera



video conference terminal



Paperless Streaming Media Server

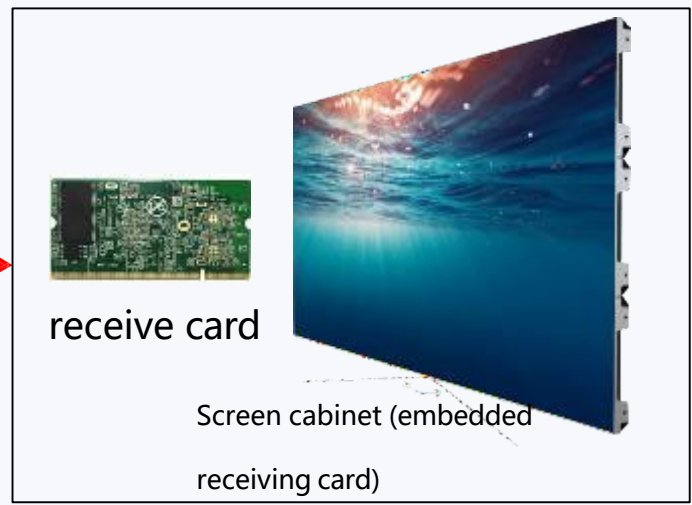
Video signal line



Video signal line
DVI



cable



Main Advantages

High Refresh Rate



C series LED screen
(Wide viewing angle picture is completely without color cast)



Traditional DLP, LCD
(Small picture distortion and color cast from the viewing angle)

Main Advantages

Nano Response Time



LED no smear, heavy tail

DLP\LCD smear, heavy tail

Nanoscale Response Time

LED adopts nanosecond display technology with extremely short response time, no trailing, ghosting phenomenon, and smoother picture. It has great advantages when monitoring pictures and playing dynamic videos.

Main Advantages

Nano Response Time



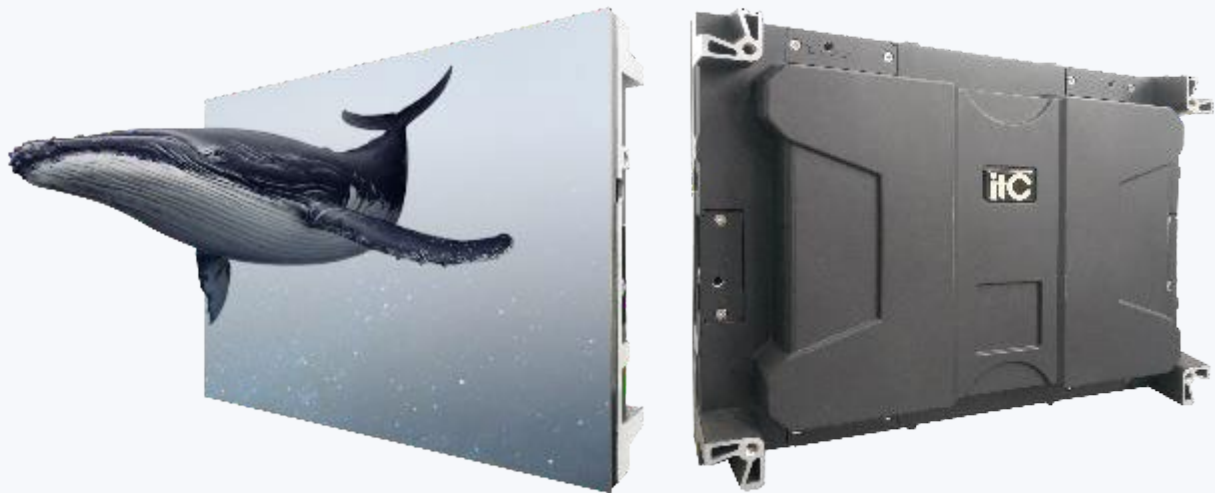
The whole screen refresh rate can reach more than 3840Hz

The gray level can be adjusted arbitrarily within 65536 levels, and the height can reach more than 5500nit.

Play high-definition video, can achieve line blanking, no stripes, no caterpillars and other phenomena.
Maintain high-quality display performance, even under professional cameras, without water waves or screen flashes, fully meeting the requirements of live performances

Main Advantages

nano-level protection



The latest nano-level protection process technology of itc small-pitch diamond series can form nano-level protection on the display screen.

With the latest nanometer and protection technology, the damage rate of LED lamps can be effectively reduced to less than 1/10,000 (<1ppm). Compared with the industry average damage rate of 30ppm, it is the best in the industry.

Its front-end installation and front-end maintenance design can expand space utilization, enable more flexible maintenance, save space and reduce equipment.



moisture intrusion



Water splash proof



dust-proof



Anti-static shock



Anti-collision / bump



Anti-salt spray



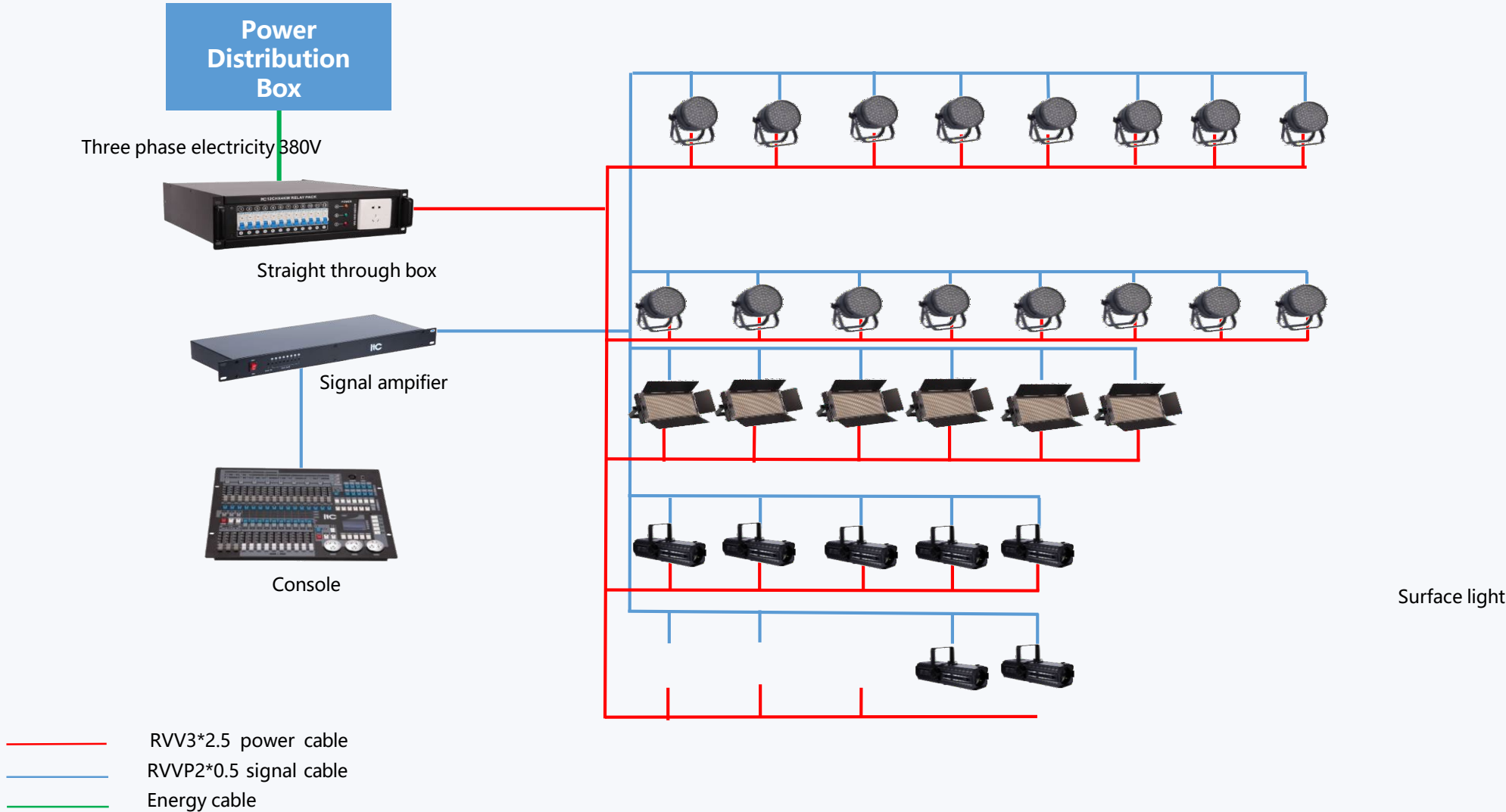
|| Prosound + lighting and LED video wall

Stage lighting system

- Dyeing: All lamps create an artistic atmosphere in various shades during the performance
- Lighting: Provide good lighting conditions for cameras, videos, scenes, and actors during performances or (and) TV recordings
- Special effects: In accordance with the performance form, performance scene and music changes, work with the computer lights to make a series of lighting effects
- Contrast: Colorful lighting creates a warm, joyful, sublime or solemn scene, setting off the atmosphere of the stage



System Architecture



Surface light



Common models



TL-SL143
1400W Moving head
cutting light



TL-SL113B
440W Moving head
light(3IN1)



TL-SL101
200W Moving head
beam light



Feature:

- Optics: Two sets of optical lenses (3-layer coating) with high temperature resistance and strong light transmittance.
- Color wheel: 14 color gels + 1 white light, two-way rainbow effect, adjustable speed, flexible positioning function.
- Fixed gobo wheel: 16 fixed gobos + 1 white light, one-way flowing water, adjustable speed, flexible positioning function.
- Prism: 16-sided rotating prism + 6 rows lens, support two-way rotation, superimposition, and adjustable speed.
- Strobe: double-chip strobe 0.5-13 times/sec, synchronous, asynchronous and random strobe modes, and adjustable speed.
- Atomization: 1 independent atomization effect with soft and natural light spot.
- Scanning range: X-axis 630°/2.7 S, Y-axis 270°/1.5 S, precise scanning and positioning.



PRODUCT

Common models



TL-SL201
54*3W PAR light



TL-SL201
18*10W PAR light



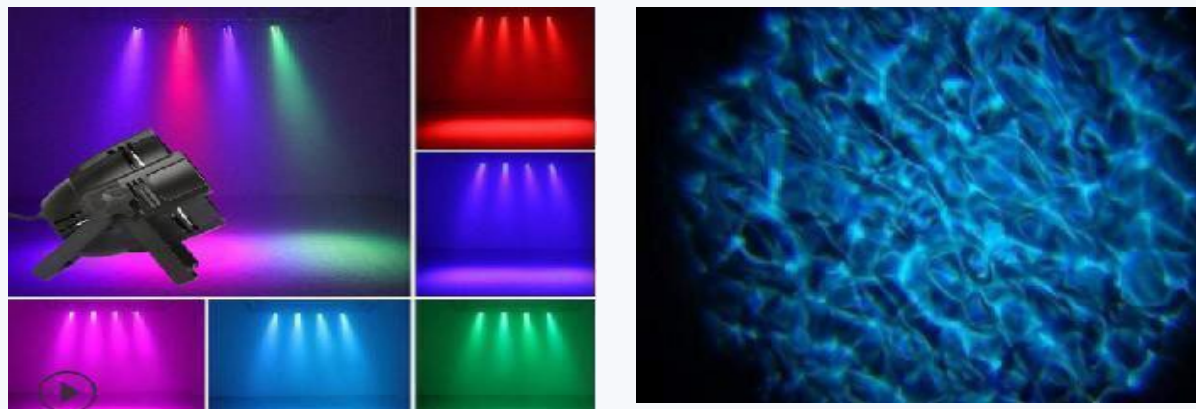
TL-TL101
Water pattern light



TL-SL291
7*12W Floodlight (4IN1)

Feature:

- Beam angle: 25° (15°, 45° optional).
- Strobe: Independent electronic strobe 1-25Hz.
- Color mixing: RGBWAP (red, green, blue, white, amber, purple) linear color mixing, 16.7 million colors (0-100% saturation adjustable), built-in macro function.
- Electronic dimming: 0-100% independent electronic linear dimming, life-like and flicker-free video, master-slave self-propelled automatic synchronization, the console normally controls self-propelled permanent synchronization.
- LCD menu: the built-in programs can be directly invoked and executed.
- Control mode: various voice control, DMX512, built-in program self-propelled, master-slave online mode.
- Channel: 6/10 channels (two channel modes are optional).





Common models



TL-SL313
Embedded flat
panel soft light



TL-SL314
200W Embedded flat panel
soft light (adjustable color
temperature/flip)



TL-SL302
300W Flat panel soft light
(adjustable color temperature)



TL-SL333
200W LED spotlight
(adjustable color temperature)



TL-SL321
100W LED zoom
profile spotlight





Banquet hall



Theater



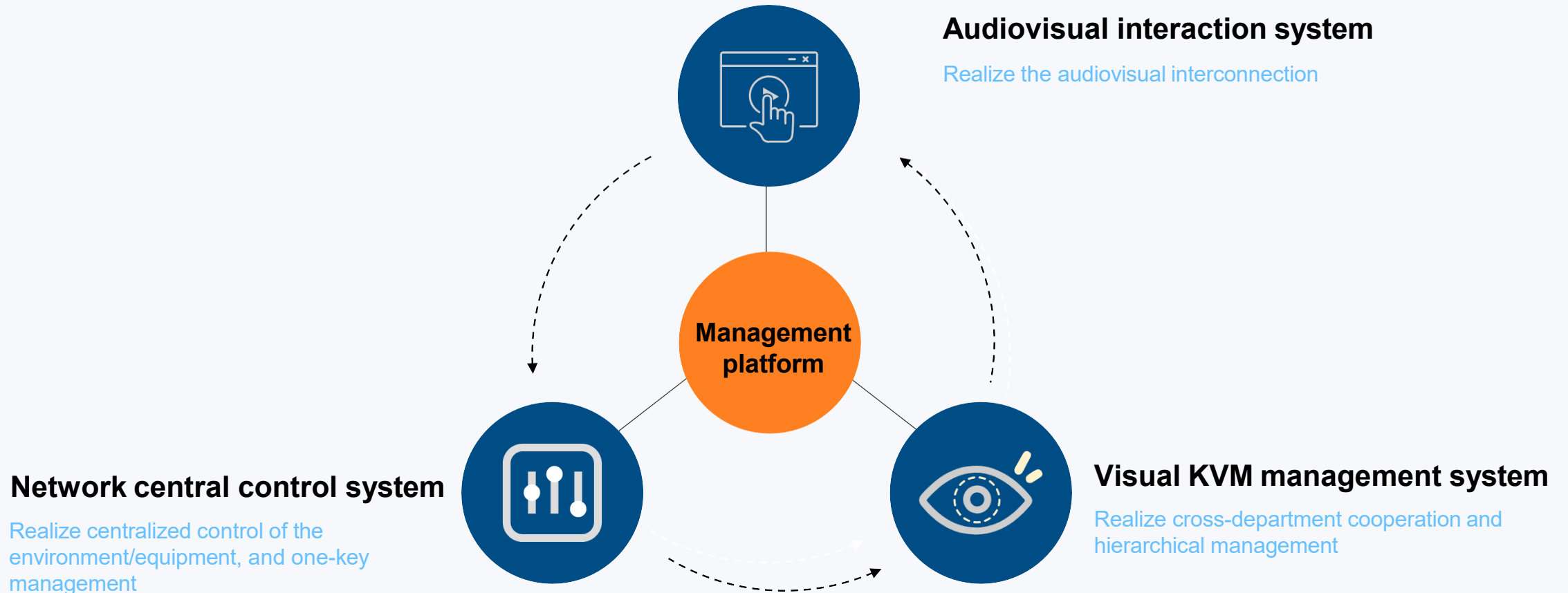
Concert hall



Studio

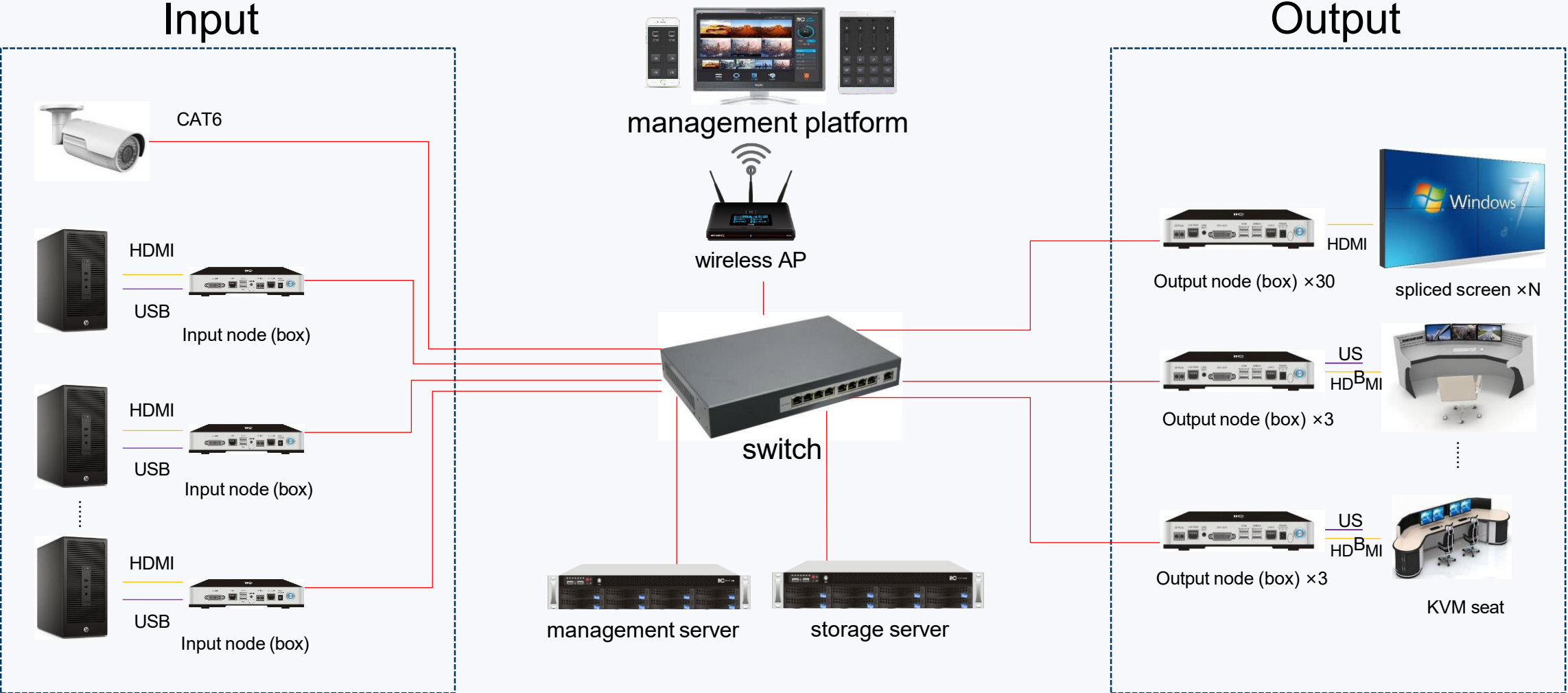
Command center

Visual Management System



- Visual Management System: distributed architecture, three systems in one platform.
- It can realize the access, management, and control of all equipment. The platform is mainly responsible for the configuration and management of each node in the system, realizing the unified control and management of the whole system.

System Architecture



- HDMI cable
- USB cable
- DVI cable
- network cable

Main Advantages

H.265 doubles compression efficiency, and saves 50% bandwidth and storage; compatible with H.264 video encoding.

Signal transmission and switching functions can be realized directly and conveniently.

The splicing function can be realized without the splicing devices.



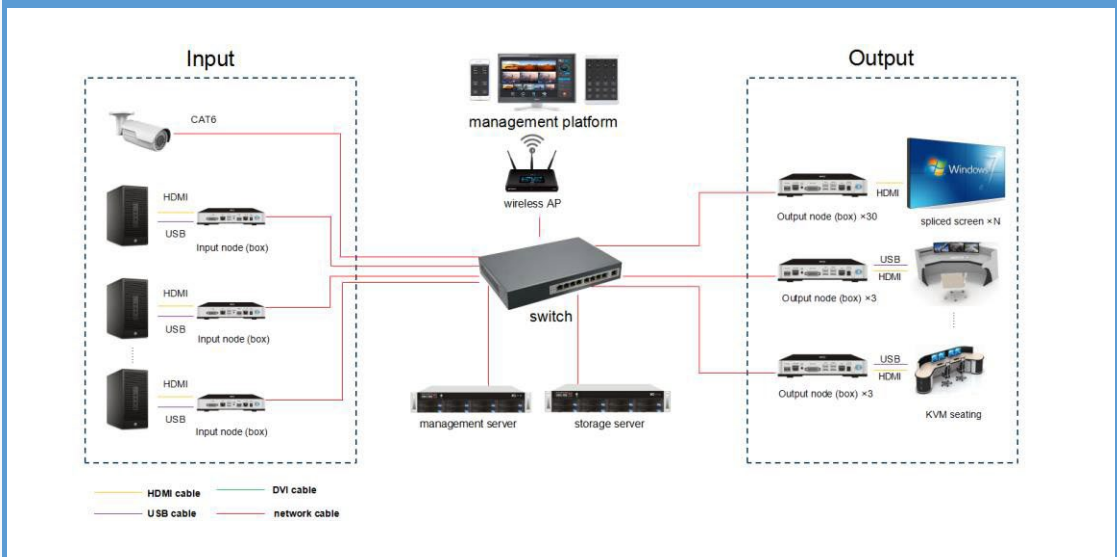
You can preview the video on the IPAD/Windows/Android platforms, and conduct drag-and-drop operations without an IP preview card.

The 1080P network camera (IPC) can be connected without an IP access card.

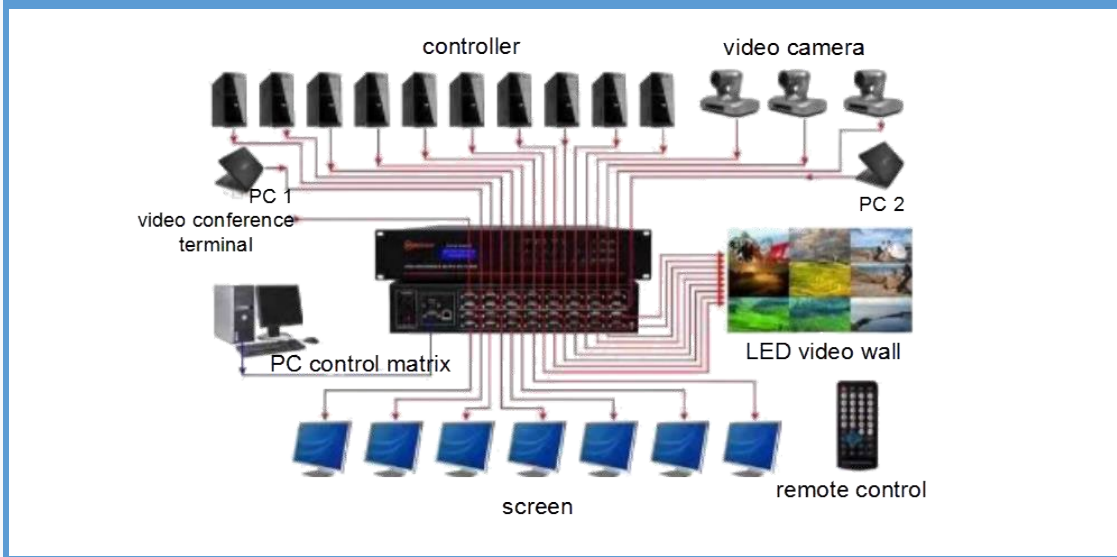
It is perfectly integrated with the central control system, and can directly control the third-party equipment.

Main Advantages

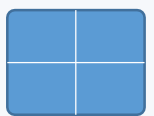
Visual Management System



Traditional system structure



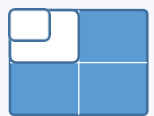
Main Advantages



mosaic display



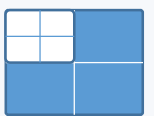
cross-screen roaming



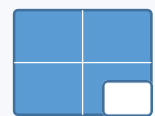
zoom in/out



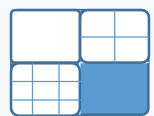
screen overlay



split screen



picture in picture



window layout

Main Advantages



mouse prompt



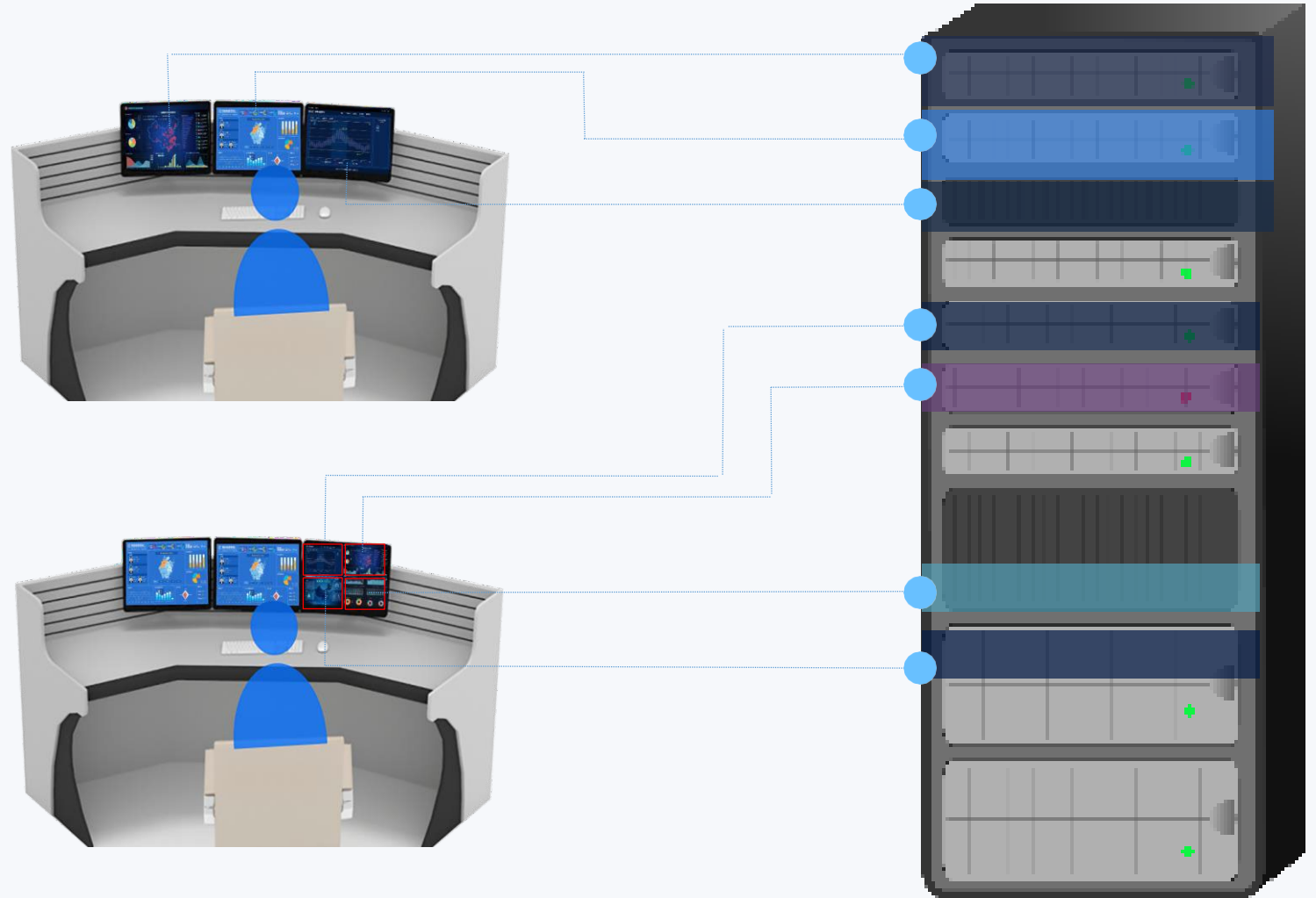
- A set of mouse and keyboard can be freely switched between different monitors, which is convenient and simple, and no need for multi-person operation.
- With the mouse prompt, the operator can easily find the position of the monitor where the mouse is.

Main Advantages

One person for multiple devices, one screen for multiple devices

one person for multiple devices

One set of mouse and keyboard can operate multiple screens; one person can manage multiple devices.





one screen for multiple devices

On a single screen, the operator can view and operate multiple servers at the same time.

Main Advantages

State feedback, real-time two-way communication

-  lighting control
-  indoor camera
-  outdoor camera
-  control switch
-  control terminal device

-  air conditioner control
-  volume control
-  audiovisual synchronization
-  lift control
-  infrared status

The distributed platform supports the interconnection of audiovisual signals, and also the integration of environment control. The distributed input and output nodes adopts RS-232, RS-485, IR and other signal control interfaces, which can uniformly control the peripheral equipment. And the operator can get the state feedback of all devices through tablet PC and other terminal devices, which reduces work intensity and improves efficiency.

Main Advantages

concurrent data state

node CPU utilization

node memory utilization

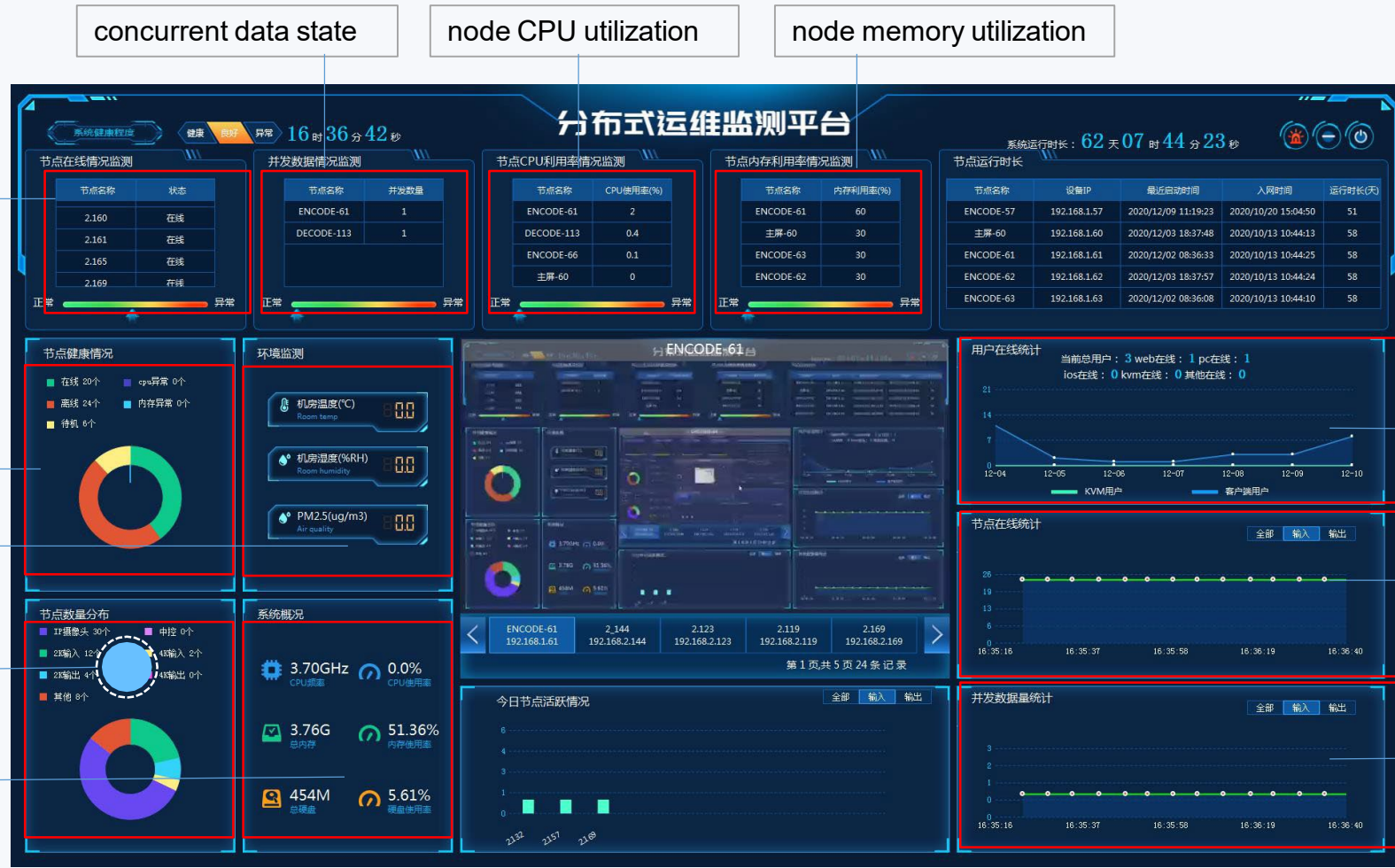
node online state

node state

environment monitoring state

node distribution

system memory, CPU, hard disk



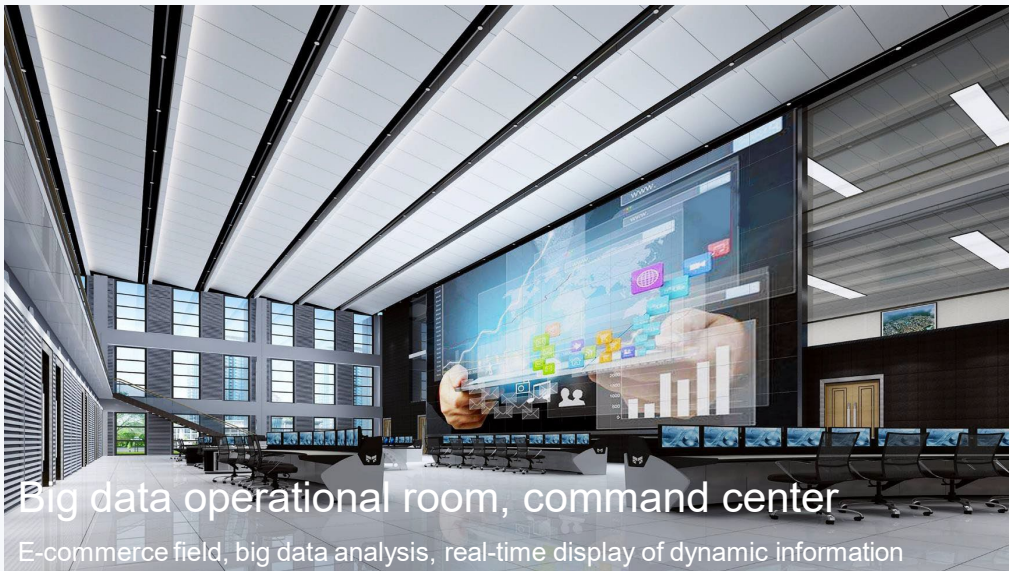
user online statistics

node online statistics

concurrent data statistics

- The distributed monitoring platform supports real-time monitoring and feedback of the indoor environment, PM, equipment/system/node operating state, signal source state, etc. The node distribution and node state can be shown in pie charts. All signal sources connected to the distributed platform are displayed and echoed in real time, showing the state of system memory, CPU, and hard disk. And it supports automatic early warning according to real-time data monitoring.

Application scenarios



Big data operational room, command center
E-commerce field, big data analysis, real-time display of dynamic information



Conference room, lecture hall, exhibition hall
Document presentation such as WORD/PPT/animation



Monitoring center
The surveillance camera is directly wall-mounted without collection boxes.

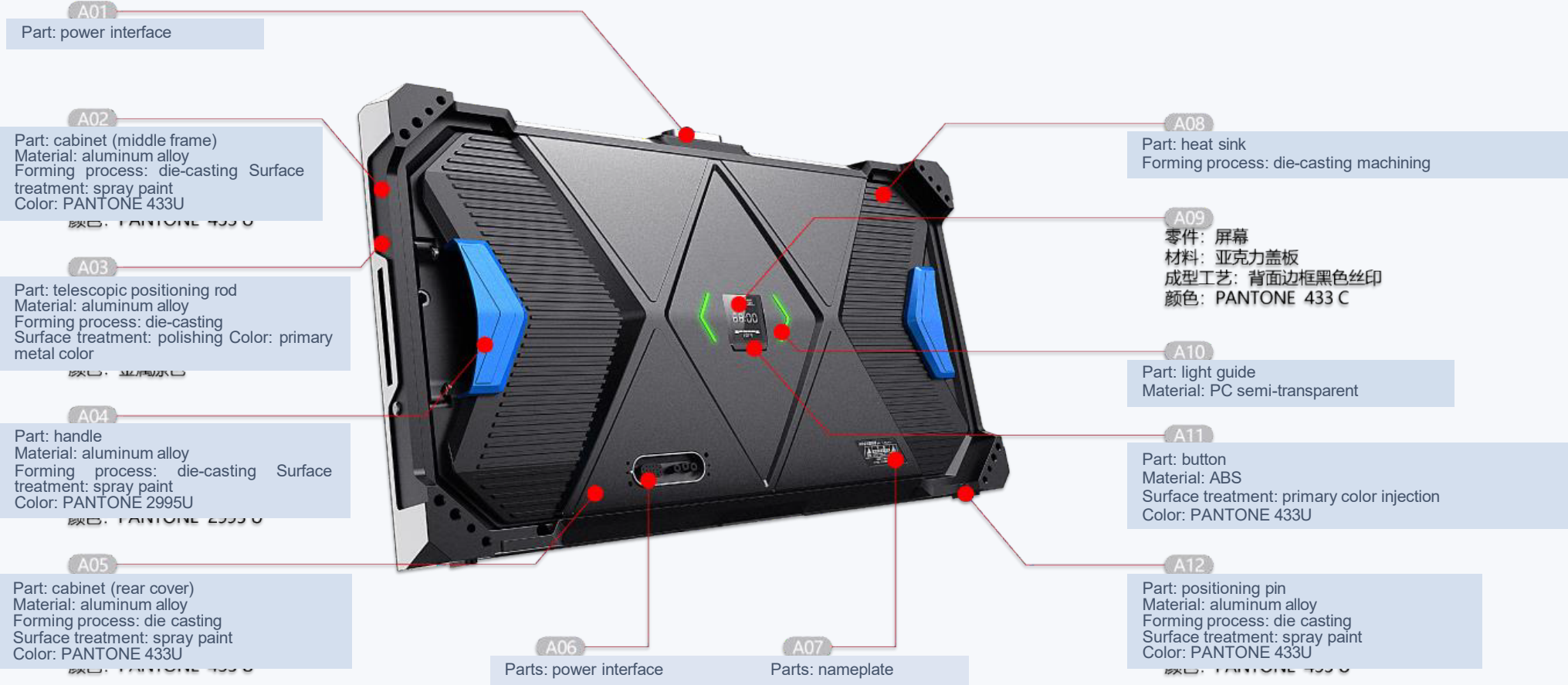


Hotel, business center, exhibition center
Playback of movies, propaganda films, advertisements

Command center

HD LED display

Series A Indoor LED Video Wall



Main Advantages



16:9 golden ratio

Standard ratio, free splicing, perfect display of mainstream standard video sources; standard 27-inch cabinet, avoiding picture distortion problems caused by image stretching / compression; convenient and flexible installation, wall-mounted, floor standing, inner arc installation.

Main Advantages



Wireless connection, neat design



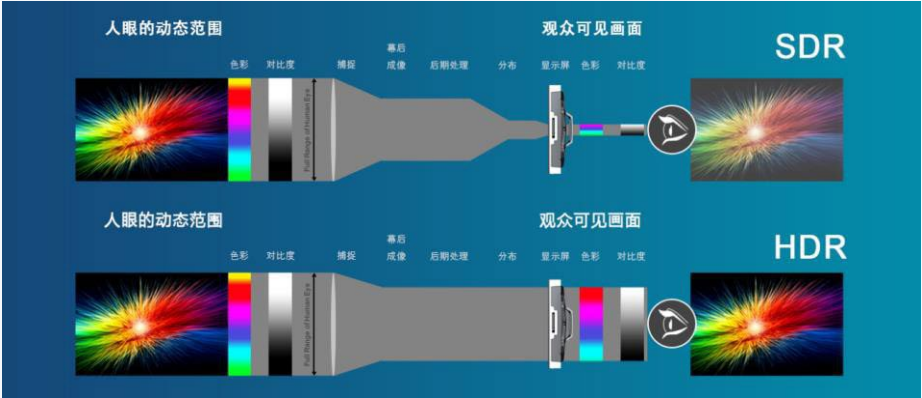
Main Advantages

Custom

HDR

With the advent of HDR, the color range has become wider, making the image more realistic.

HDR: HDR effect can only be displayed when HRD video is played! The receiving card and the sending card are need to support HDR, and the player needs to reach 10bit!



Series A fine pitch LED display realizes the precise resolution of the HDR standard film source, and achieves the exquisite color, true dynamics, perfect display and upgrade value.

LDR



HDR

Main Advantages

Seamless picture connection, no black screen

It supports the pre-stored picture setting of the receiving card. The specified picture can be set as the startup picture, and the picture when the network cable is disconnected or there is no video source signal, to ensure that the display has no black screen and the picture is seamlessly connected.

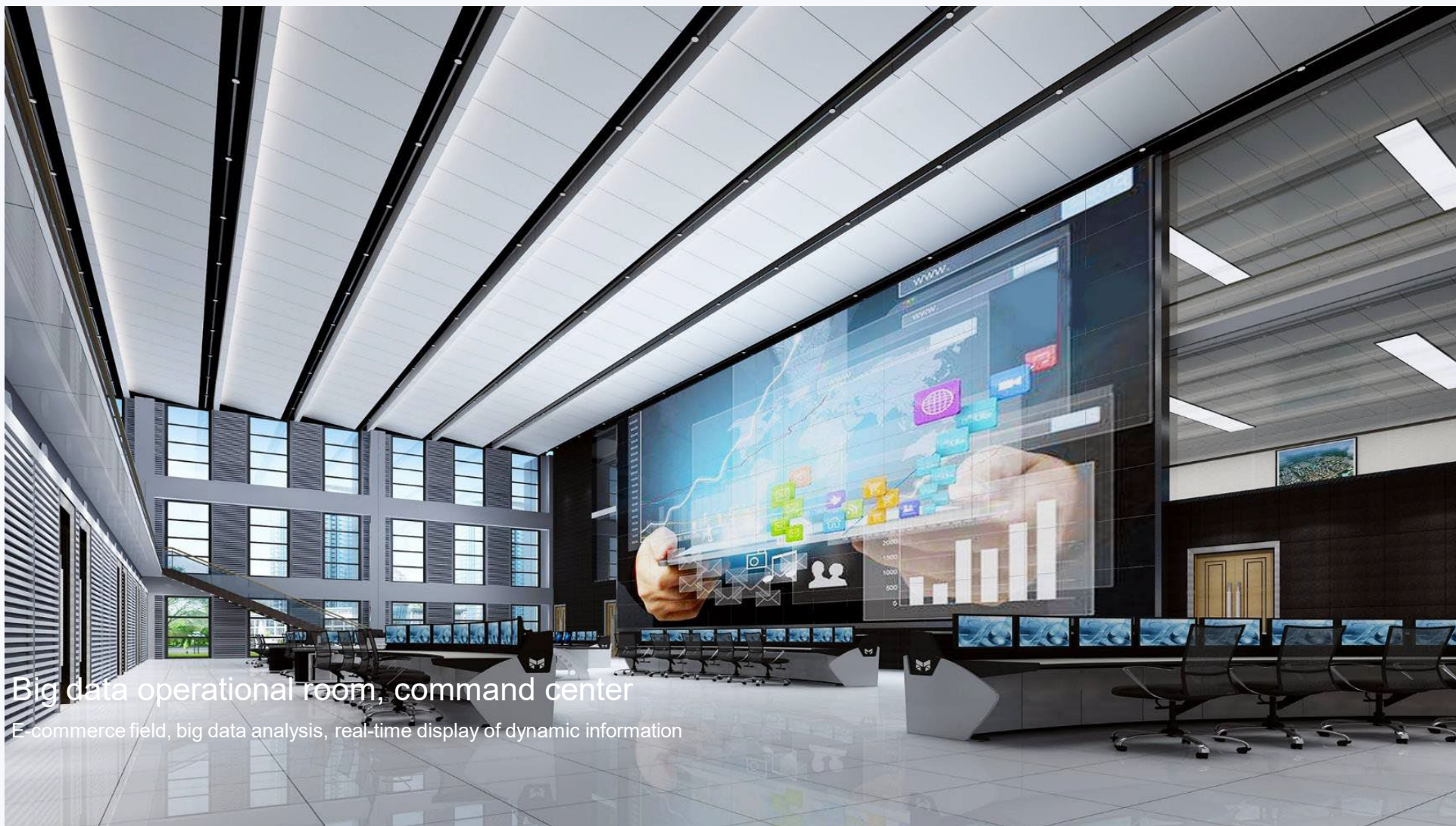


Network disconnection/no video source signal





Main Advantages



Big data operational room, command center
E-commerce field, big data analysis, real-time display of dynamic information

Public Address System

IP PA system

What is PA system?

Definition: PA system refers to a background music broadcasting system that transmits sound over a long distance and in a large area, that is, broadcasting sound in public places.



Raising the national flag



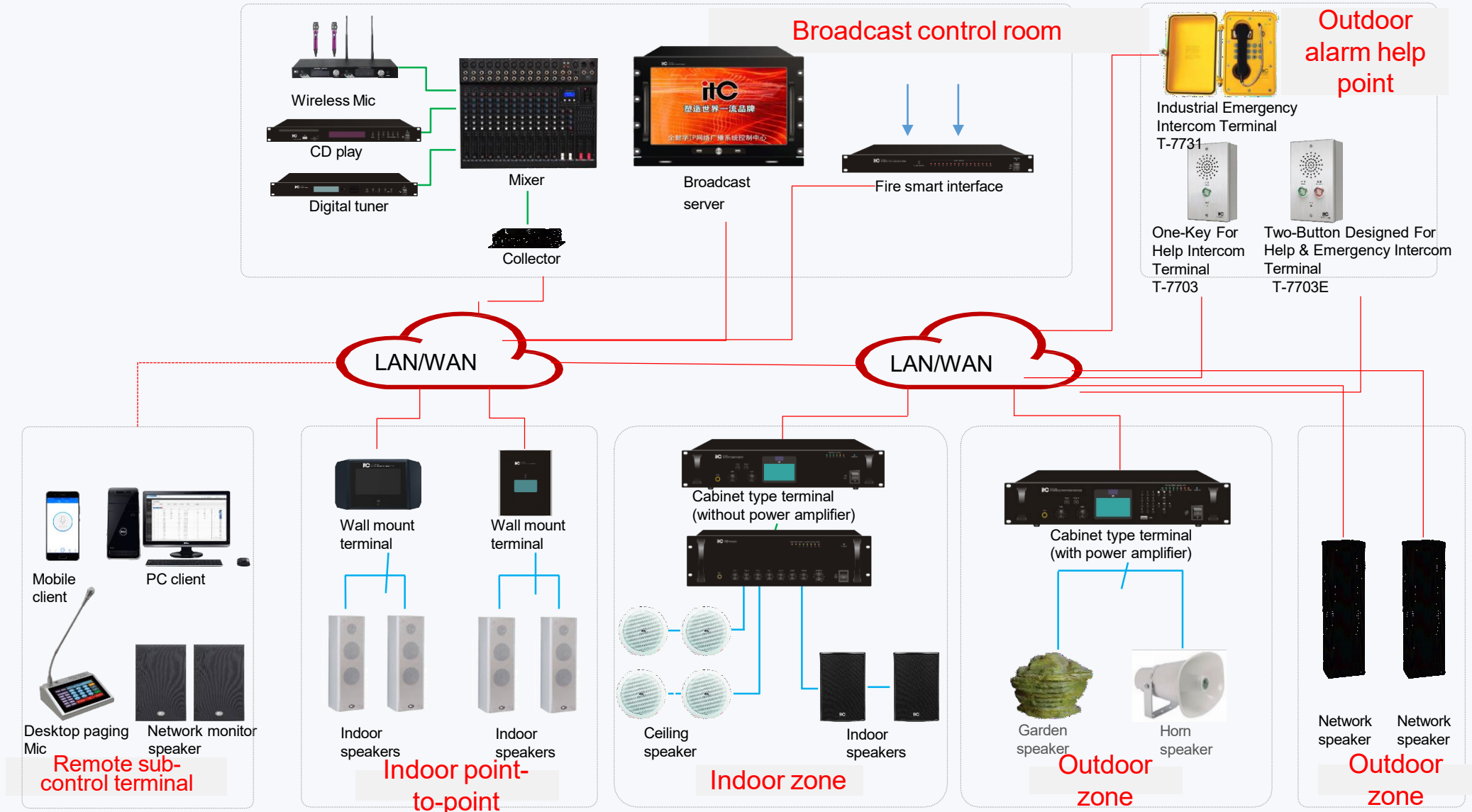
Art gallery



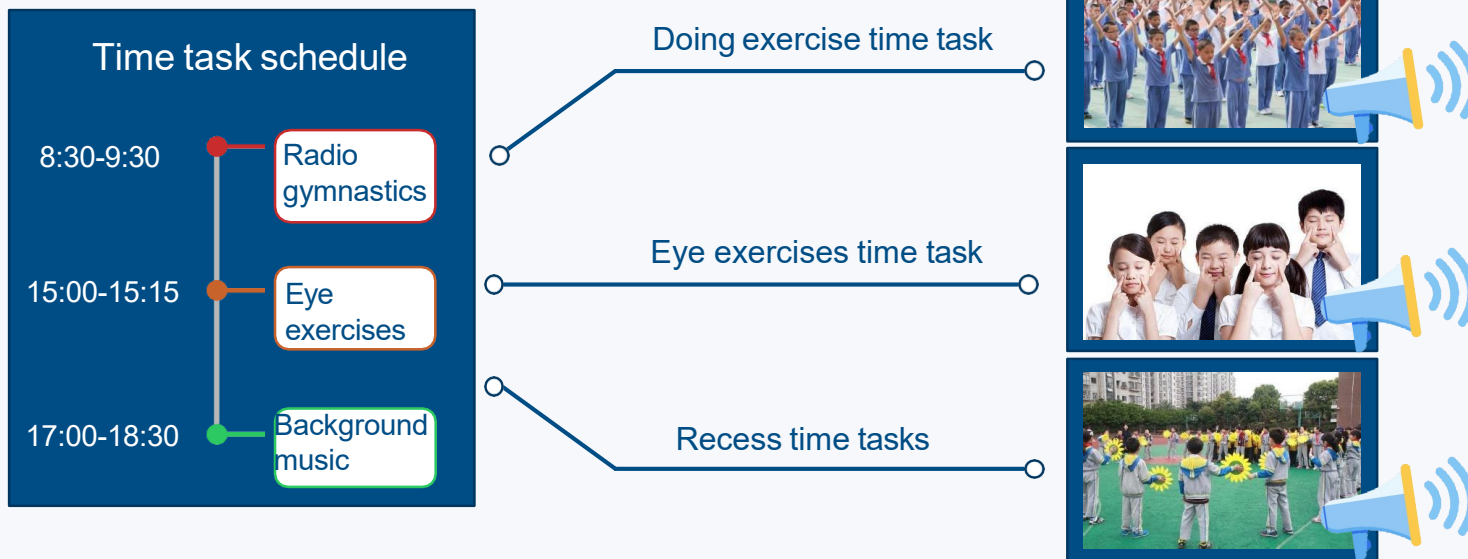
Stores



Railway Station

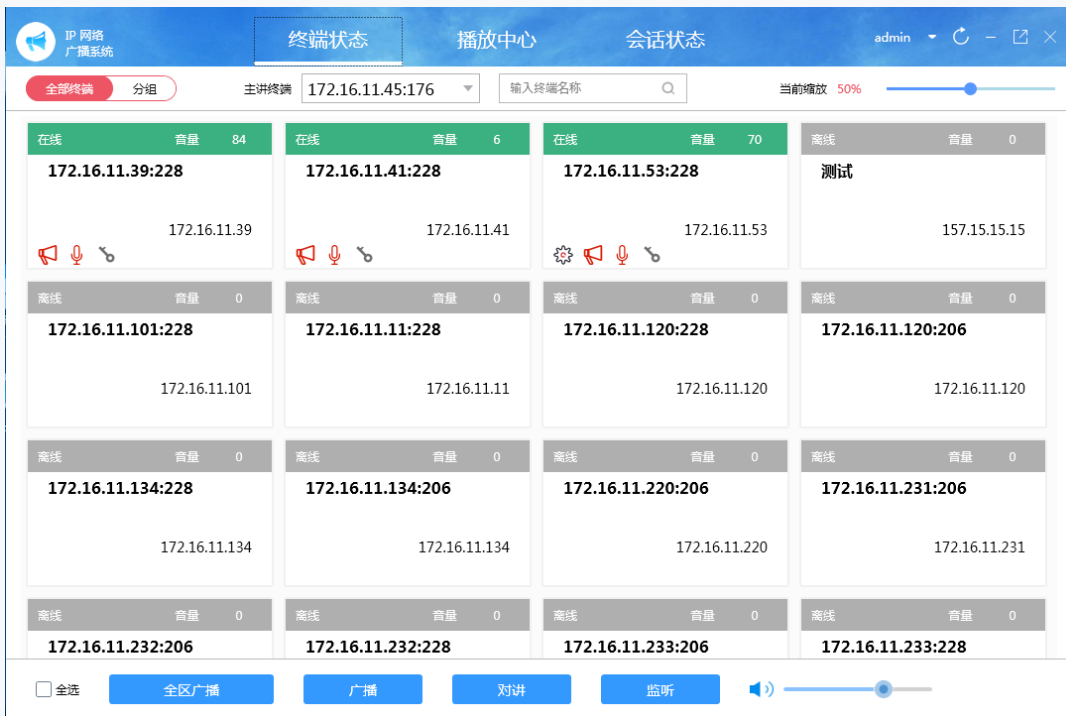


Main Advantages



- Support multiple ringing schemes running simultaneously and scheme cloning;
- Support three types of tasks to be executed regularly: configure music playback, terminal acquisition, and sound card acquisition;
- Support two types of execution areas, terminal or group;
- Support time attribute configuration, realize the unified configuration function of timing ringing task execution repetition cycle;
- Support batch modification of task start time, task volume, time attributes, execution area and other configurations;
- Support single/multiple task cross-scheme cloning;
- Support task audition playback.

Main Advantages



- Support terminal status/task real-time monitoring, real-time volume adjustment and control;
- Support one-click initiation of all-area broadcasting, terminal/group broadcasting, intercom, monitoring and other tasks;
- Support the creation and playback of four types of temporary tasks: music playback, terminal collection, sound card collection, and text playback;
- Support real-time unified management of session tasks and session volume;
- Support pop-up prompt for terminal dropout.

Main Advantages



Campus radio station



Classroom 1



School public area



Classroom 2

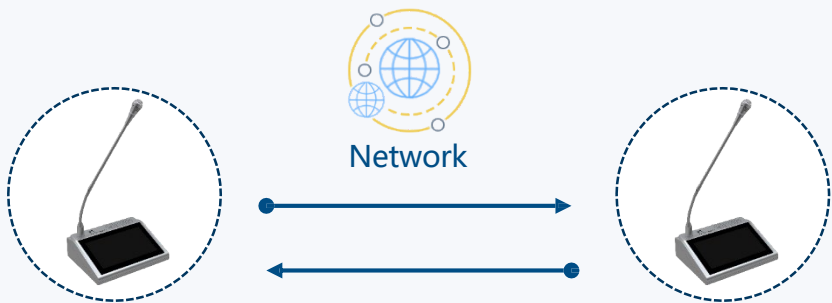
- The microphone is the audio source device, and the speech sound is collected and processed by the host, then output to each speaker, which is called business broadcasting, or business paging broadcasting
- Support remote paging or local paging, and can broadcast calls in the whole area or only in a certain area. For example, speak to a certain class in school without affecting the speakers of other classes

Main Advantages



Broadcast call mic

Radio station, emergency command center



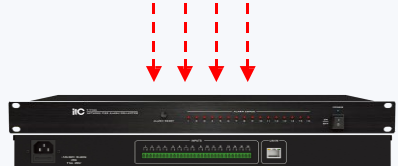
Broadcast call mic

Radio station, emergency command center

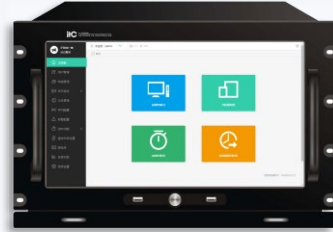
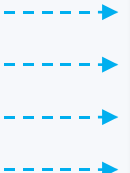
Main Advantages



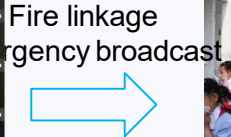
Fire short circuit signal <trigger>



77 Broadcast fire interface equipment



Broadcast server



Emergency evacuation

- Trigger the emergency broadcast, cut off the background music that is playing, and play the mandatory fire evacuation type of broadcast content with the sound raised to the maximum so that everyone can hear the broadcast.

Main Advantages



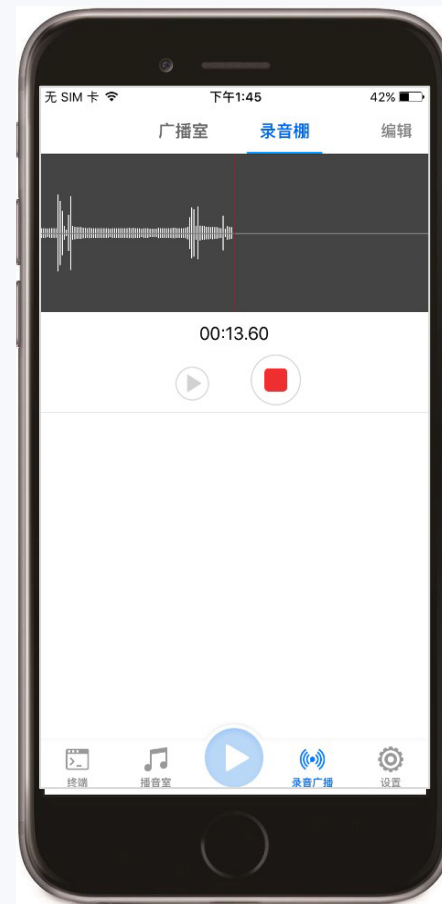
Terminal interface



Return to the terminal management interface



Create a playlist



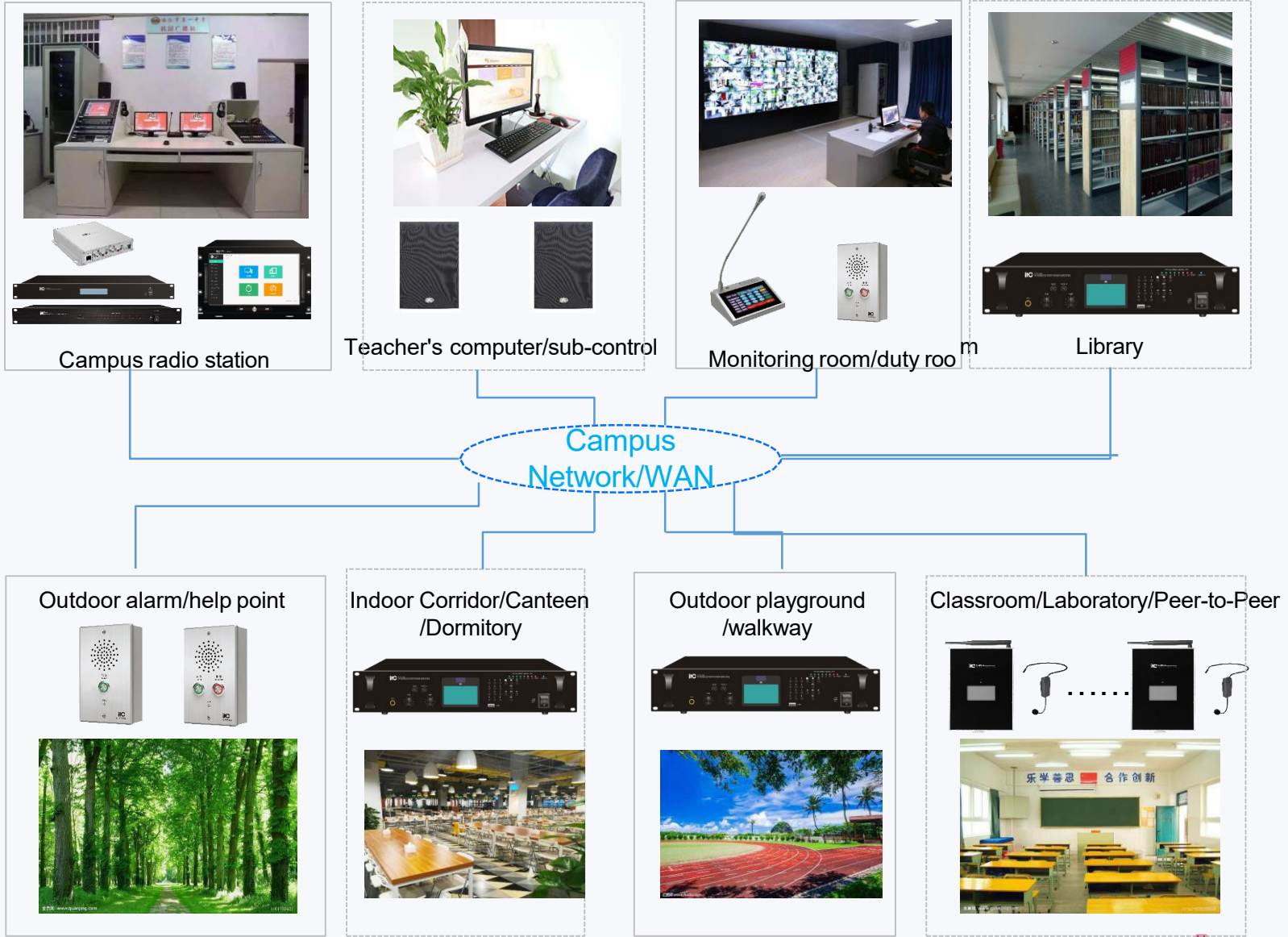
Recording Voice

IP digital broadcasting APP is an intelligent broadcasting software (supports Android and iPhone). The software and hardware are combined to transmit network technology to each terminal device. The playback system is equipped with functions such as music playback, one-way calling, designated terminal broadcasting, and sound source collection and playback in the recording studio, providing intelligent solutions for audio transmission.

Application scenarios

School application function

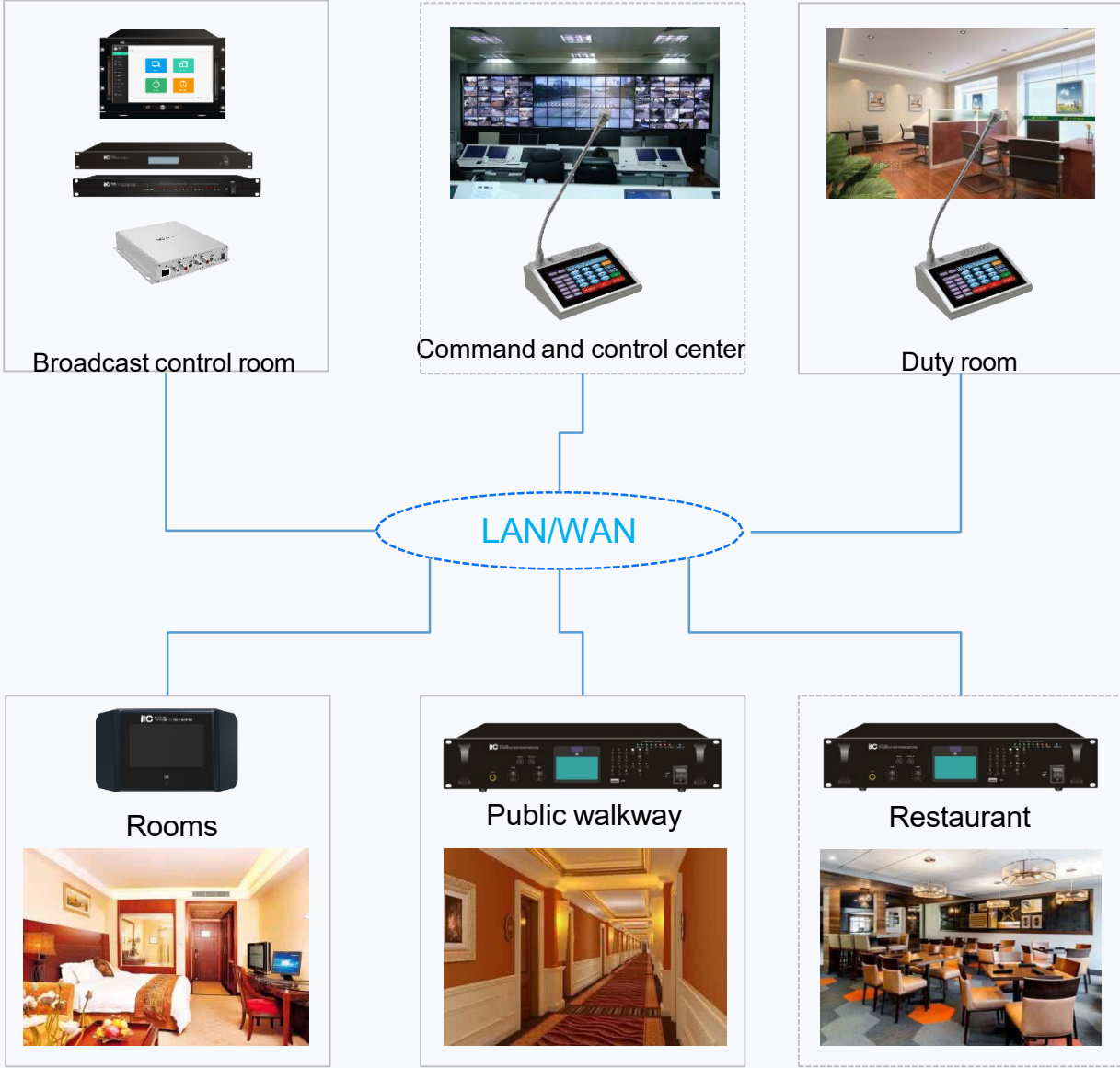
- Bell for class and rest
- Radio gymnastics, flag-raising
- Fire alarm
- Wireless broadcast
- Remote broadcast
- Courseware, listening audio file playback
- Information release, broadcast notification
- School sports meeting, temporary event program broadcast
- Emergency paging



Application scenarios

Hotel application function

- Welcome words, hotel introduction information play in the front desk area
- Restaurant background music, a good dining atmosphere
- Multipoint control
- Paging broadcast, broadcast notification, etc., guide guests to evacuate in case of emergency
- Fire alarm



Public Address System

Visual broadcasting and visual intercom system

Visual Intercom

The visual intercom communication system achieves the management purpose of security prevention through audio and video conversations between security center managers, visitors, owners, and outdoor help seekers.

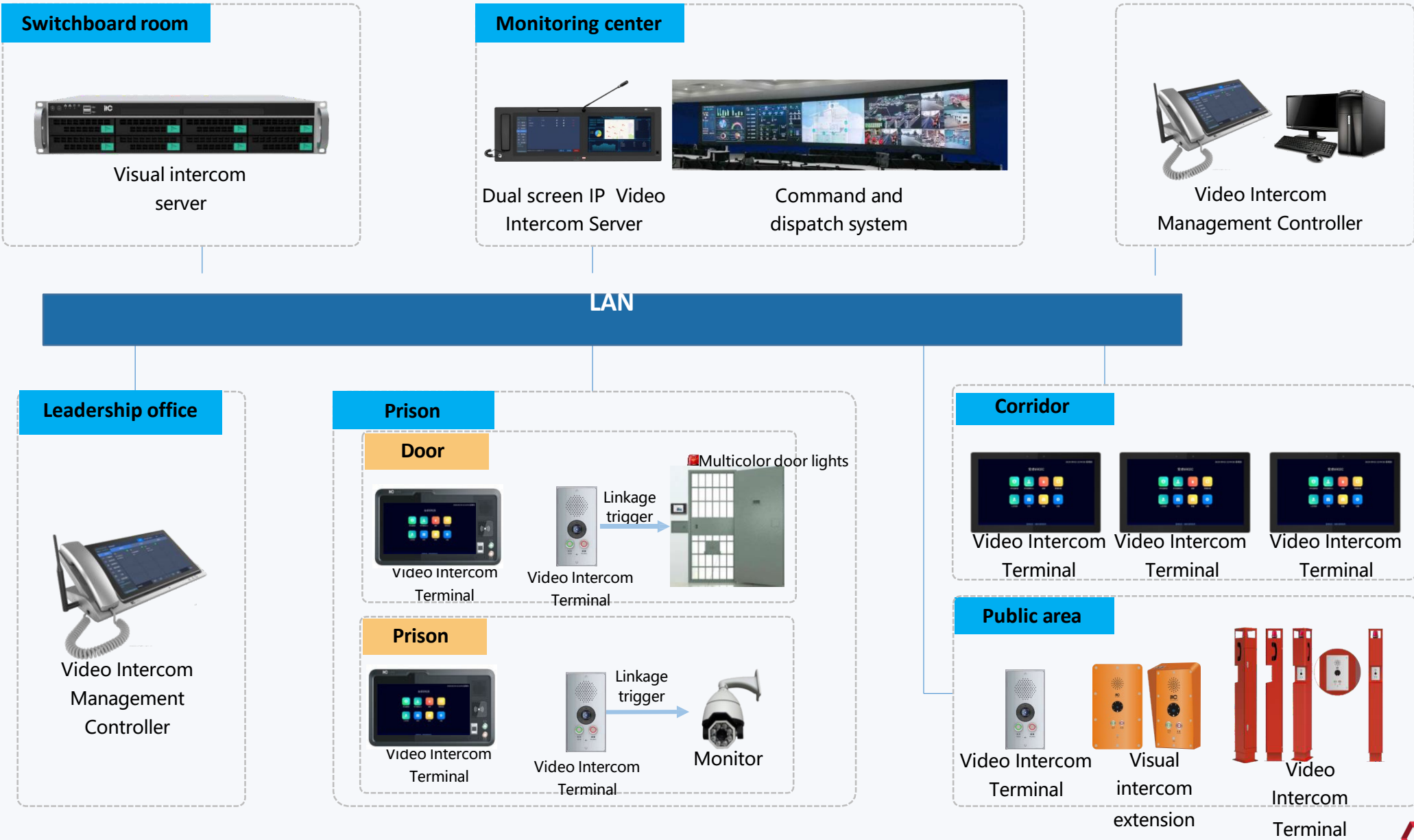


itc Visual Intercom System

The itc visual intercom system is based on IP network transmission technology and uses unique audio and video technology to solve the echo and howling problems of network intercoms. Support visual intercom, intelligent transfer, command mode, audio and video recording, monitoring, information query, content management, PA and other functions. It is specially used in prisons, correction centers, schools and other places to facilitate personnel on duty to understand the situation in the jurisdiction in a timely manner, effectively control and prevent emergencies, effectively reduce management investment costs, and improve work management efficiency.



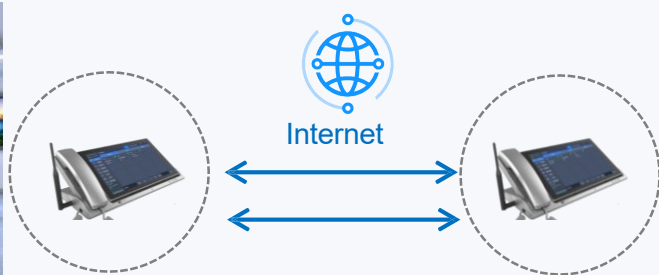
System Architecture



Main Advantages



Duty room, emergency command center



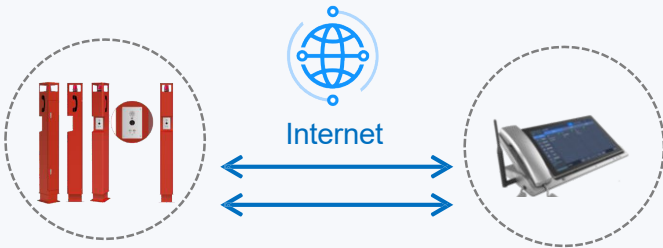
Video Intercom Management Controller
Duty room, emergency command center

- The video intercom management controller supports full-duplex real-time two-way intercom function, with clear, loud and no delay; used for daily contact and emergency communication.



Visual intercom extension

Outdoor/street/bank ATM, etc.



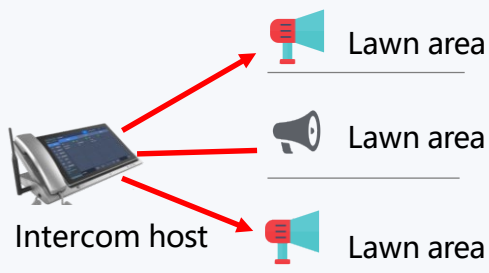
Video Intercom Management Controller
Duty room, emergency command center

- Help/intercom terminal realizes two-way intercom**
- The help/intercom terminal also supports two-way intercom function, built-in voice intercom call module, and supports full-duplex voice intercom and calls.

Main Advantages

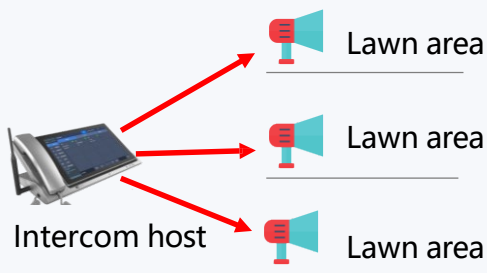
1. Zonal broadcasting

The intercom host can broadcast MP3 files, shouts and external sources to the internal extension of the authority.



2. All zone broadcasting

The intercom host can broadcast MP3 files, shouts and external audio sources to all extension stations within its jurisdiction.



3. Scheduled broadcasting

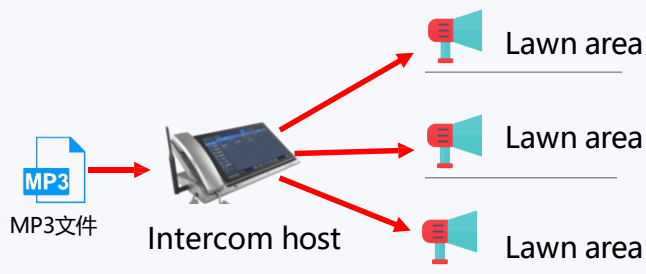
The intercom host can set up regular broadcasting tasks according to single zone, multi zone and whole zone, so as to realize regular broadcasting with MP3 files.



Scheduled and fixed-point broadcast

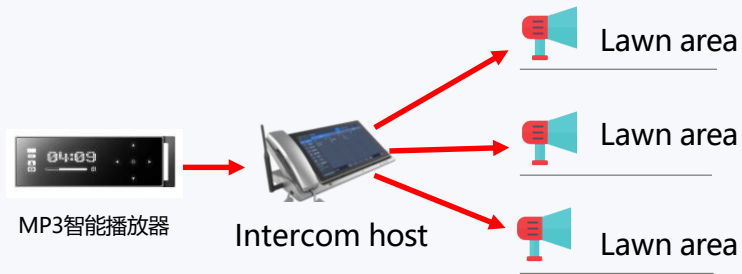
4. Fire alarm broadcast

The intercom host can use MP3 file as fire alarm voice, trigger automatically when fire broadcast, and play to the designated extension.



5. Program broadcast

Intercom host supports broadcasting access to FM/MP3 intelligent player, CD player, MP3 player and other sound source devices.



Main Advantages



Adopting the market's advanced and mature Android application platform solution, while ensuring the stability and reliability of the system, it also greatly improves the overall performance of the system.



Economic advantage

Based on the specific needs of the user's video intercom system, we maximize the investment benefits of the equipment and give the equipment more economic advantages.



Leading design

The system design meets the standardized design of international and domestic management, production and manufacturing, and fully supports all new technologies so that the system equipment can have lasting competitiveness.



Rich interfaces

A variety of software and hardware interfaces are reserved for system upgrades and expansion to fully meet the diverse needs of users and enable real-time upgrades and maintenance to meet the specific customization and needs of more application scenarios.



Secure encryption

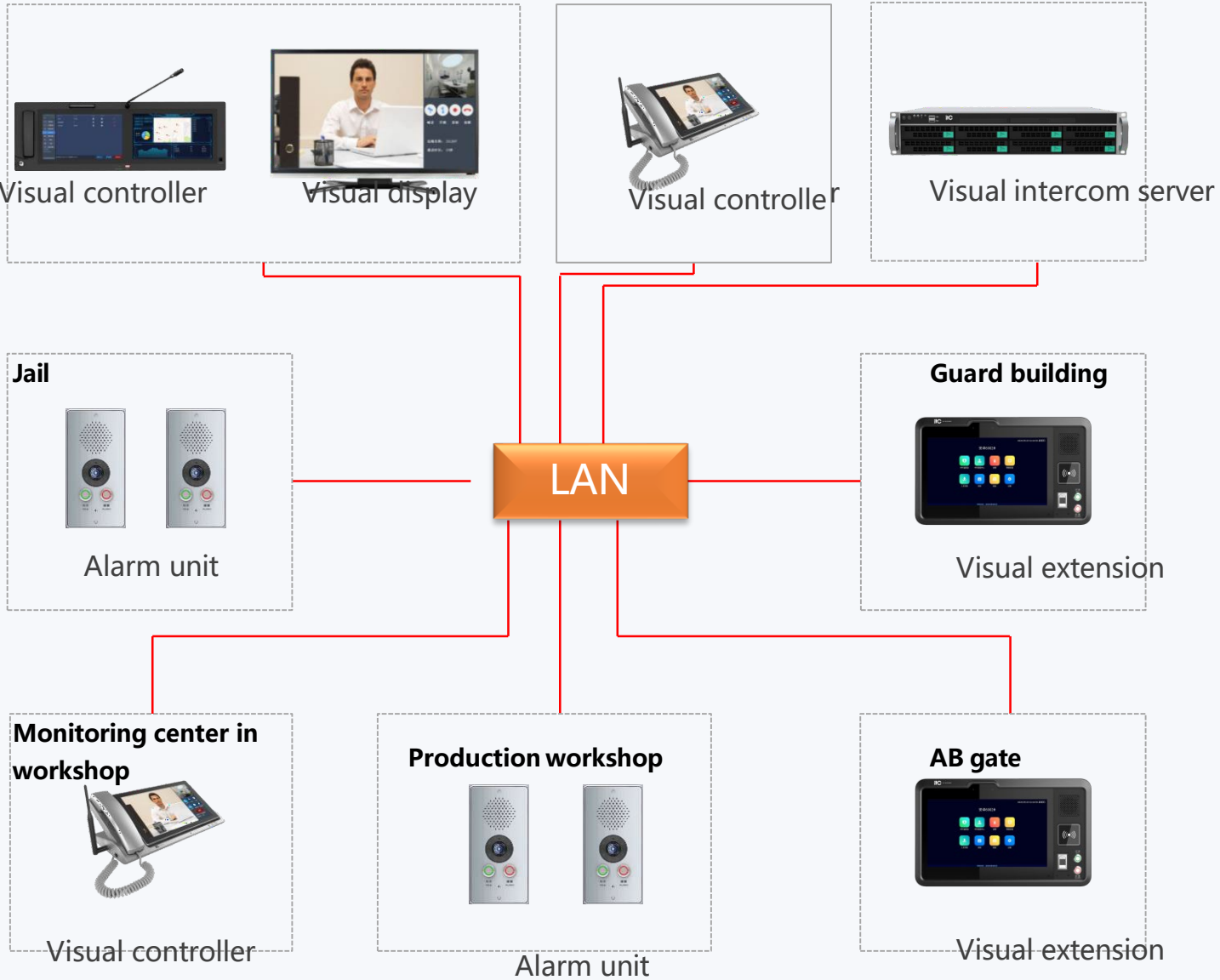
Adopt industry-professional confidentiality software and hardware design to ensure the stability and security of the system during operation and protect important information from damage and loss.



Application scenarios



- **Application for prison**
- EMC calling: One key communication between duty center and alarm extension units of jail, workshop AB gate.
- Command and control: The monitoring center can command and dispatch any extension through the visual controller.
- Internal communication: Communication among Duty center, monitoring center, command center, AB gate and guard building
- Information release: can be released to intercom extension, visual controller and distributed to all zone, zone groups or single point .



Public Address System

EN54 standard emergency broadcasting system

System Overview



Voice Alarm Evacuation System

VA-6000 Series

A set of system can meet the demands of voice alarm message, paging and background music broadcasting.

Support linkage with multi - wired or bus - based voice alarm evacuation controller, with **advanced system automatic fault diagnosis technology, speaker lines automatic detection technology and data lines automatic redundancy technology**, which make the system to run safer, more stable and reliable.

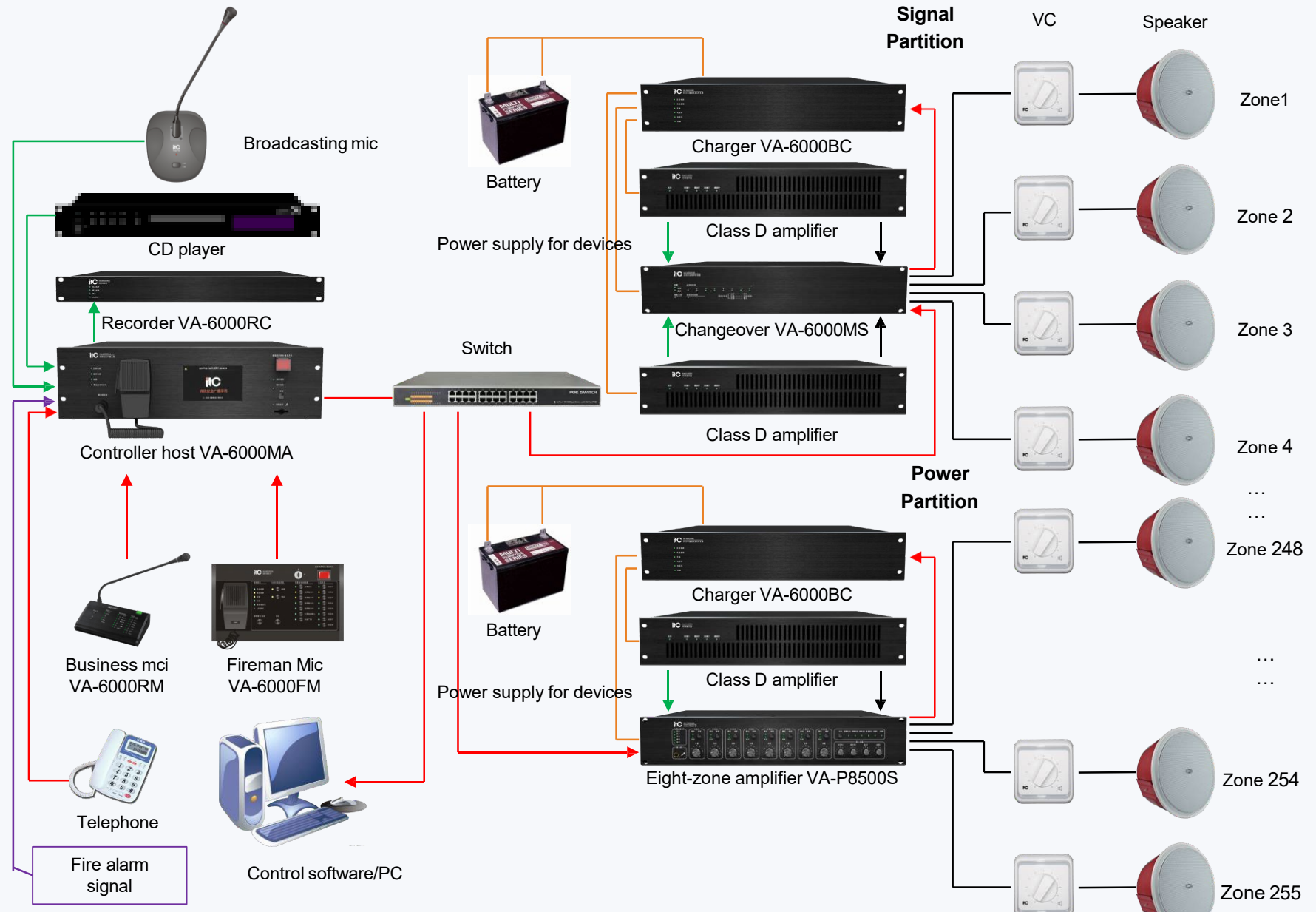
Voice alarm evacuation system is with pre-configured multiple alarm schemes, voice reminding message, evacuate the crowd; remote guidance and evacuation can be conducted through the software, controller and fireman microphone.



System Architecture

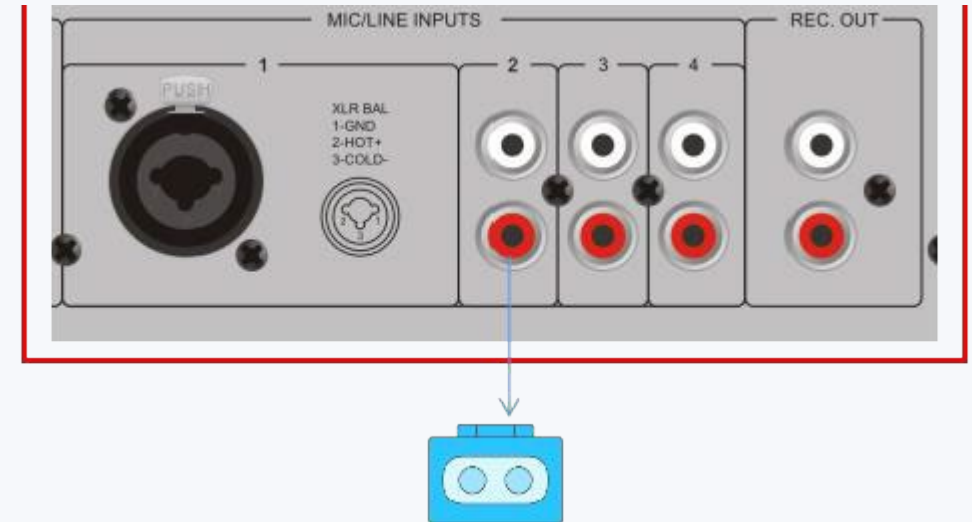
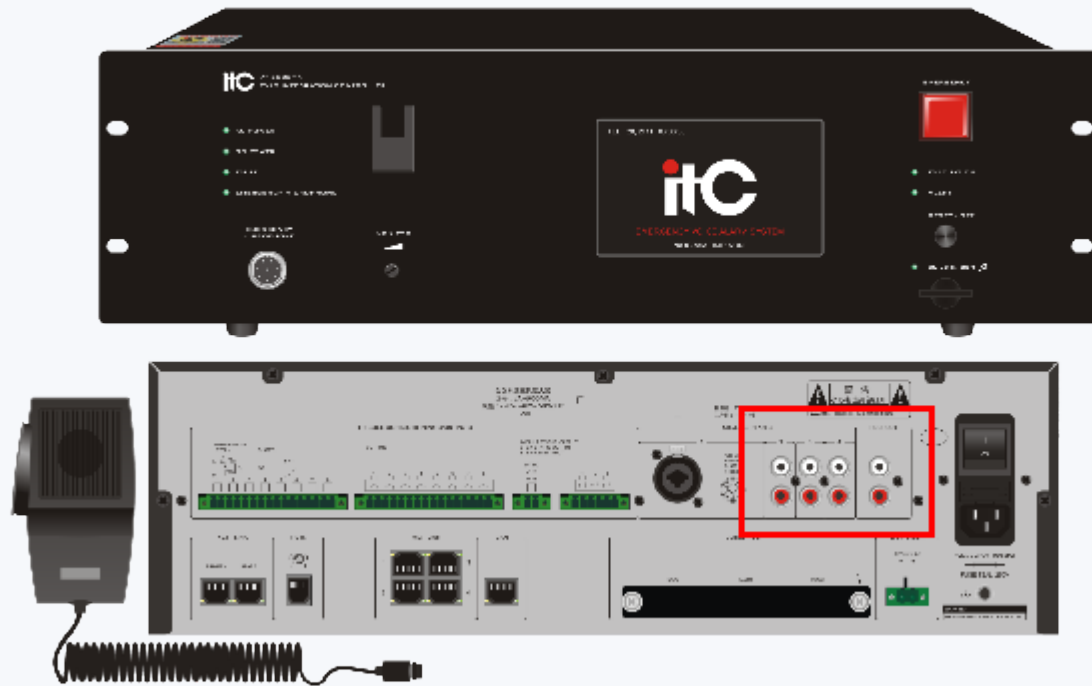
Signal + Power Partition Solution

- Network cable
- Audio Cable
- RVV cable
- Power Cable
- Speaker cable



Main Advantages

- 4 line inputs (one of which can be a line or a regular microphone), 1 recording output, which can be connected to an external system recorder to record calls and speeches made by the system in emergency mode



Main Advantages

- support visual embedded human-machine interface operation and control
- support Windows interface software operations
- support work offline

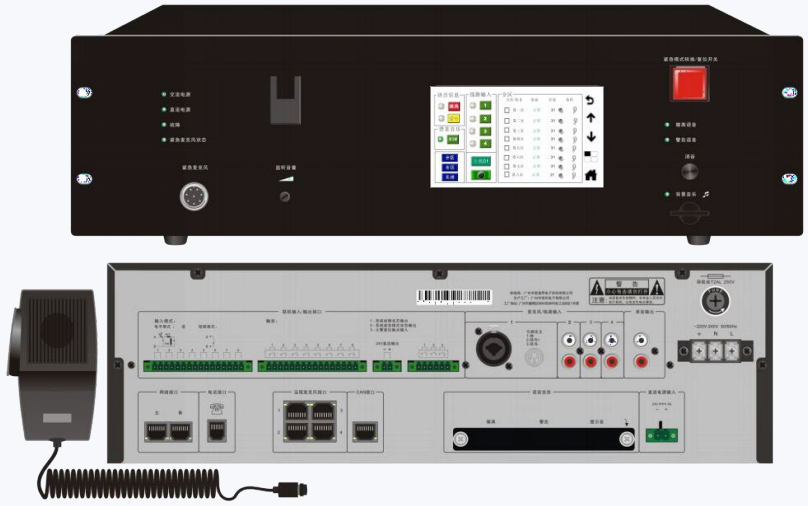


VA-6000MA

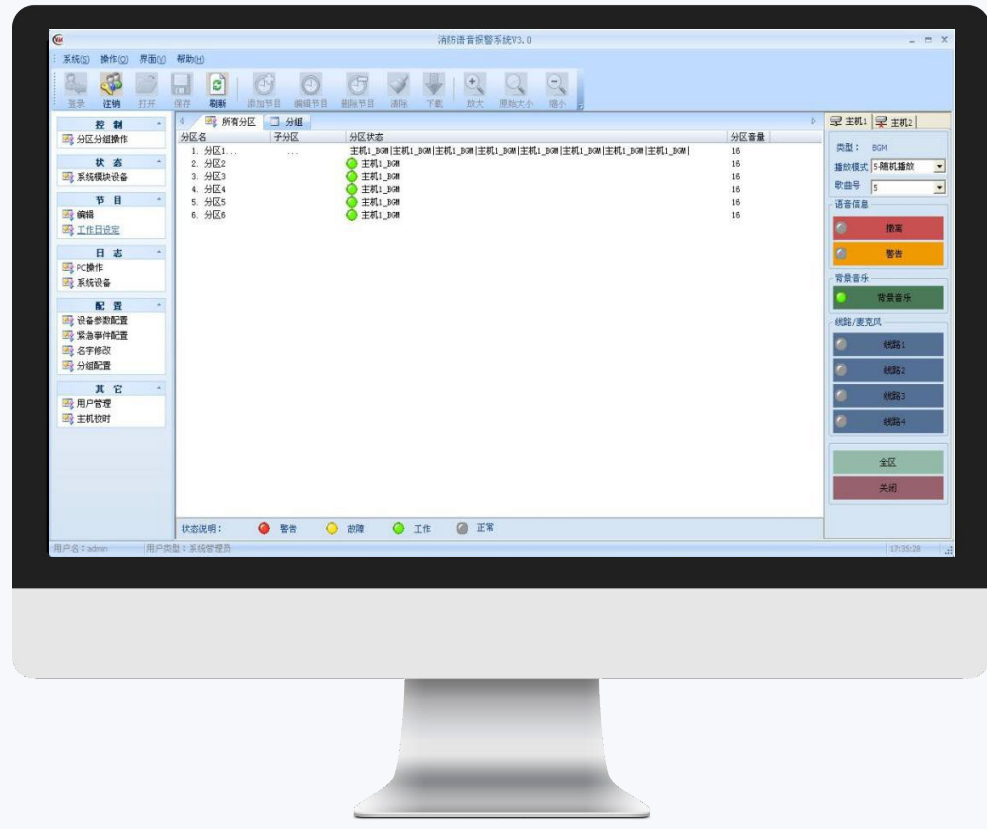


Main Advantages

- Automatic fault diagnosis of the system
- Data backup
- Redundant lines and recorded fault status, up to 2000 pcs
- Partition status control and management



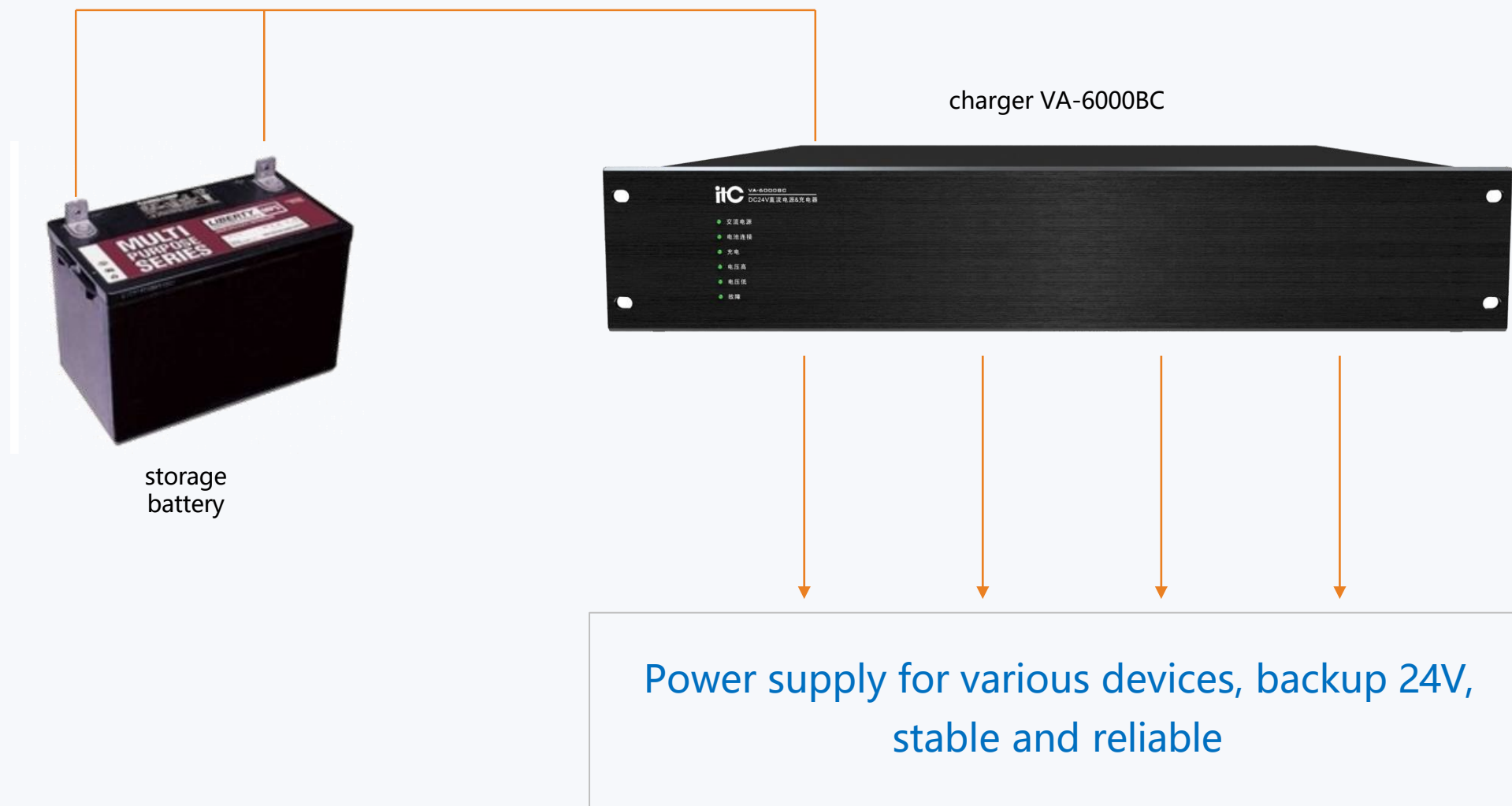
VA-6000MA



管理控制软件自动诊断故障

Main Advantages

- The entire device supports 24V power supply. When the mains power is cut off, the device automatically checks and switches to a 24V backup power supply to ensure the normal use of fire broadcasting



storage
battery

charger VA-6000BC

Power supply for various devices, backup 24V,
stable and reliable



school



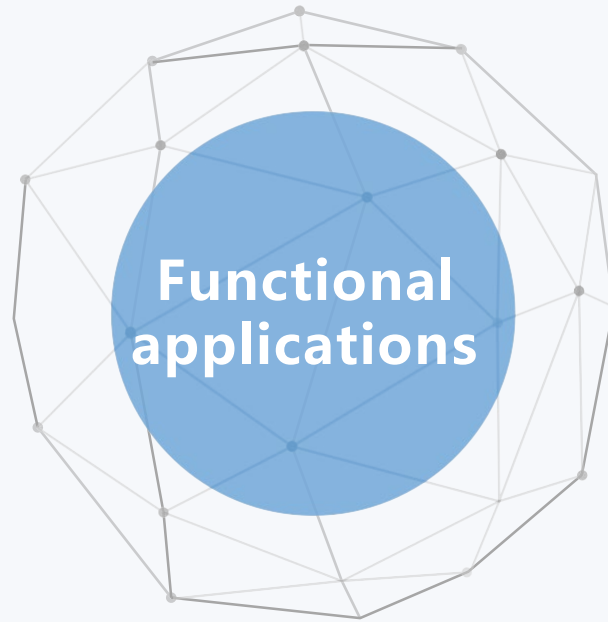
hotel、building



Shopping malls、supermarkets



parking lot



Parks



village



factory



station

Cultural tourism system

Cultural tourism digital audio platform



PRODUCT



Microphone



Intercom microphone
TX-8702



Speaker



HIFI column speaker
(Constant resistance)



Wall mounted speaker
(Constant voltage,
constant resistance)



Conference speaker
(Constant resistance)



Ceiling speaker
(Constant voltage,
constant resistance)



Server



System server
TX-8700



Collector



Audio collector
TX-8770



Wall mounted terminal
TX-8706



Audio decoding terminal
TX-8704



Terminal



Network speaker
TX-8707



Outdoor waterproof amplifier
TX-87100/G



Intercom panel
TX-8703



Network amplifier
TX-87120Z series



4-channel network amplifier
TX-87500F series

System Architecture





Features

- WAV lossless audio decoding;
- Lossless audio transmission technology;
- Professional network digital amplifier;
- Imported high-fidelity speaker unit

Theme Park

Amusement Rides

Main Advantages

Super fast response

Ultra-low latency + "Microsecond" synchronization



Broadcast Room

Broadcast speech



Commercial complex



Amusement park

Broadcast speech

Wireless broadcast

Paging broadcast

Float parade

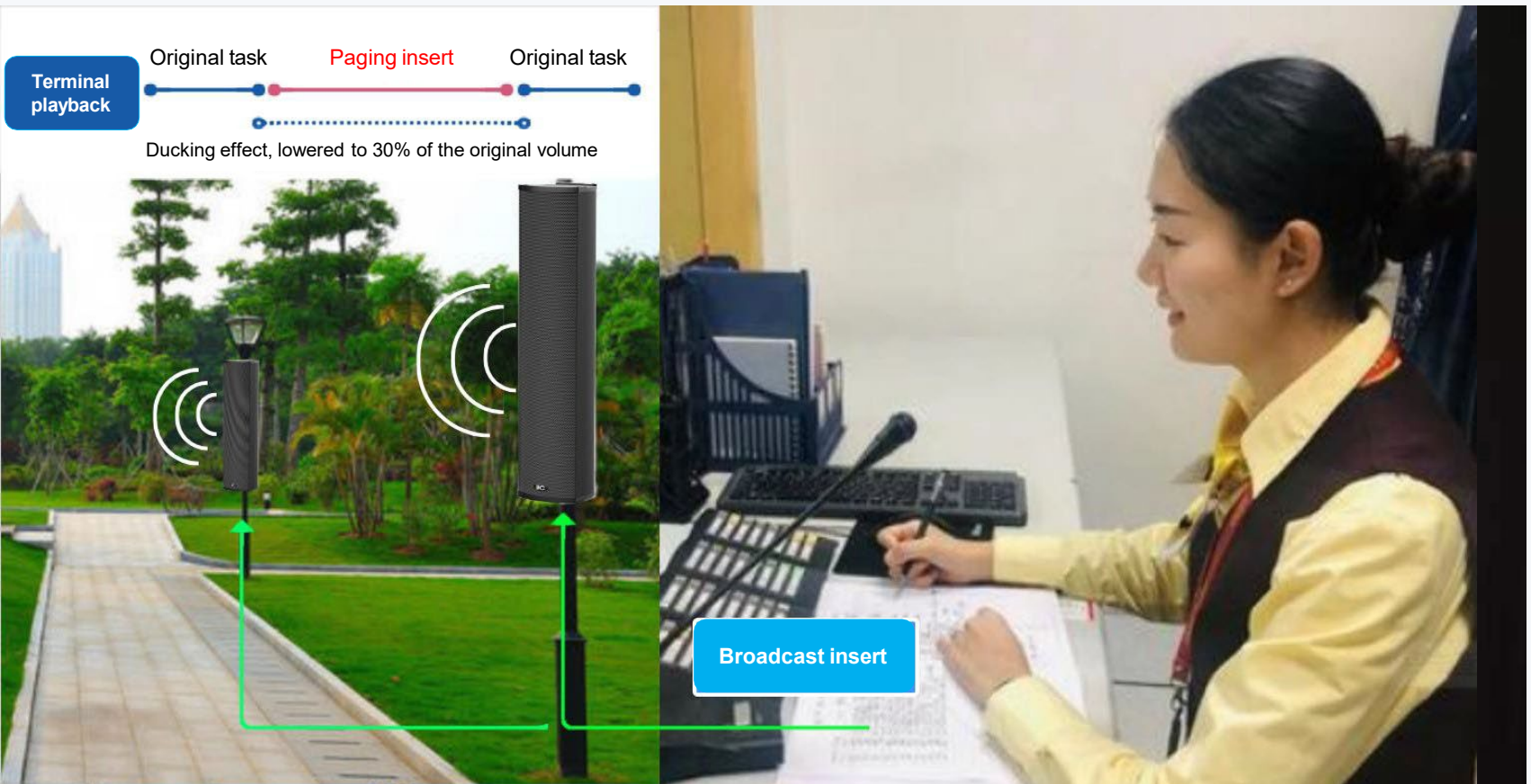
Features

- End-to-end transmission latency can reach one millisecond, 100 times faster than blinking, enabling simultaneous broadcast in different zones.

Main Advantages

Automatic ducking

Ducking effect, automatically lower the BGM when someone speaks



Missing person notice

Short notice

Broadcast insert

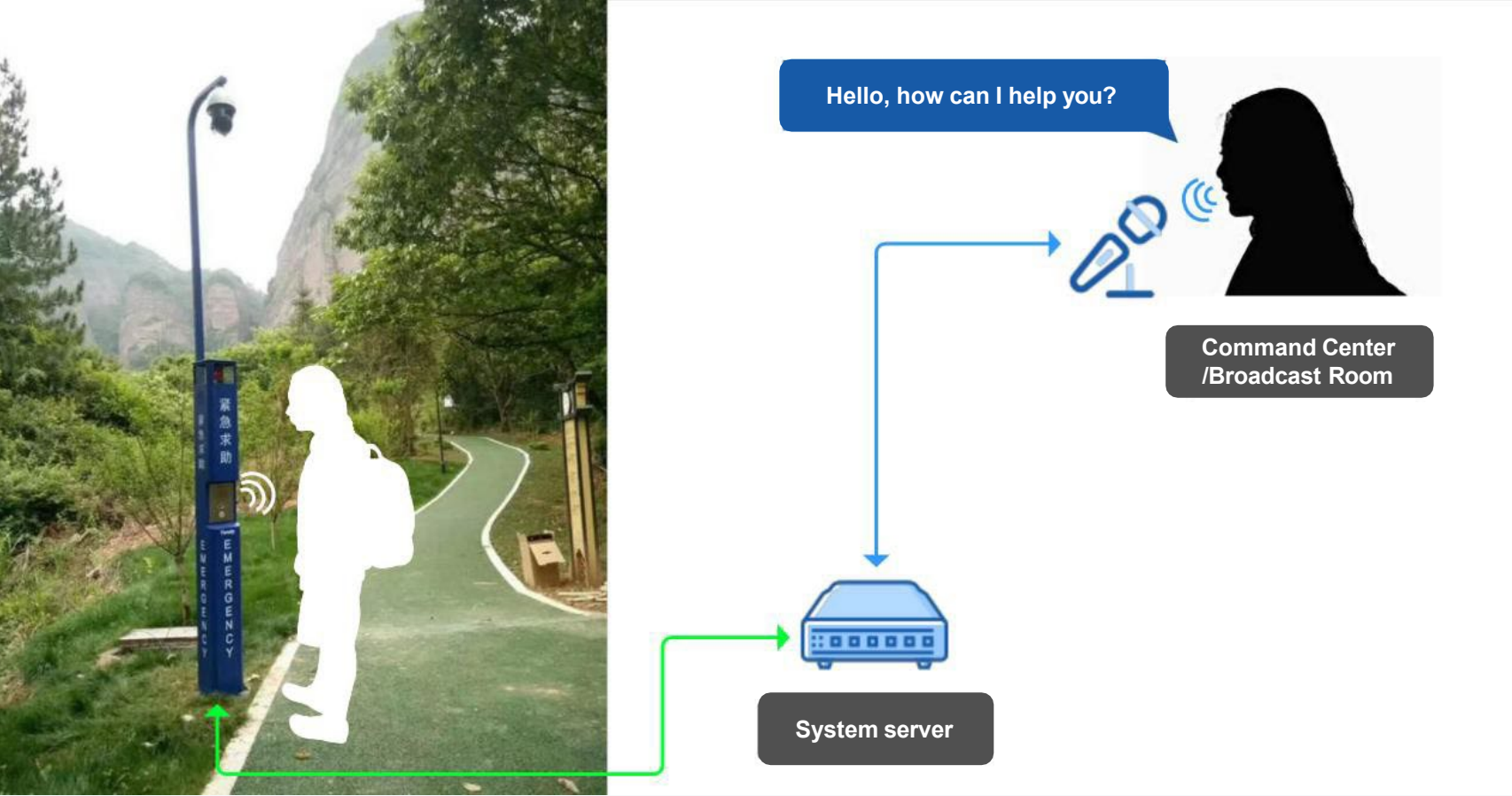
Features

- Low-latency, synchronous paging broadcast
- Real-time digital mixing processing
- Ducking effect, automatically lower the BGM

Main Advantages

Emergency help

High-quality calls, new echo cancellation algorithm + full cavity diaphragm design



Emergency help

Information consulting

Broadcast insert

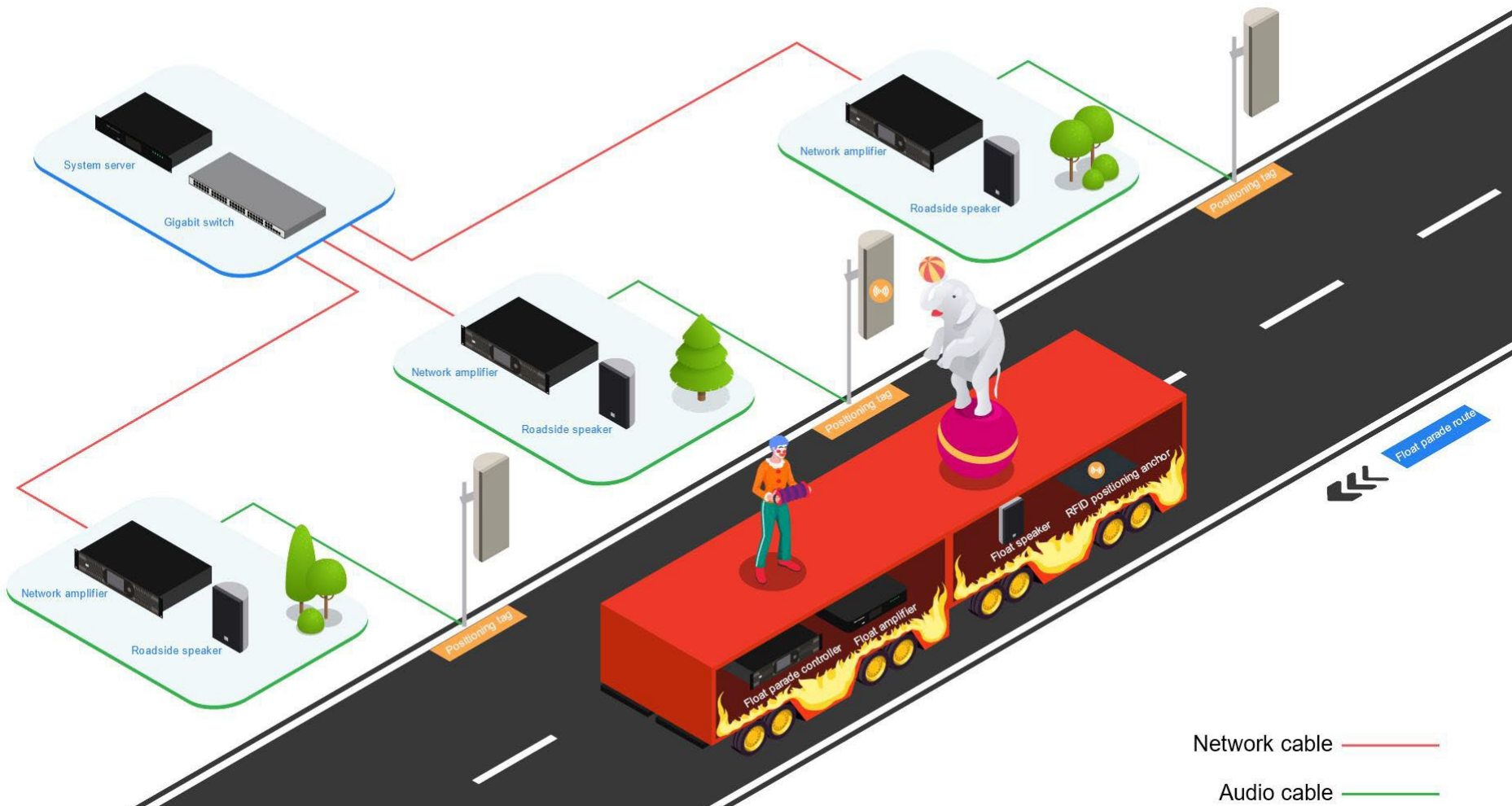
Features

- 48K sampling rate, better call quality
- New echo processing algorithm, full duplex call echo cancellation
- Full cavity diaphragm design

Main Advantages

Float parade

Highly customized float parade broadcast solution



Float parade broadcast (scenario customization)

Features

The interesting float parade performance not only adds interest to the tourists in the park, but also attracts a large number of passengers.

- Precise route positioning
- Quick linkage playback
- Fade out fade in effect
- Device status monitoring
- Manual/auto central control

Main Advantages

APP management



Features

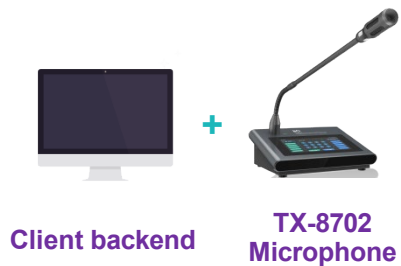
The system supports flexible and convenient remote management functions. Through the mobile tablet, you can monitor the status of the parade route, the current position and status of the floats, edit tasks, and perform quick control and management.

- Task management
- Device monitoring
- Music AOD
- Parade management
- Mobile control

Application scenarios

Theme Park

Control room



Equipment room



Float equipment



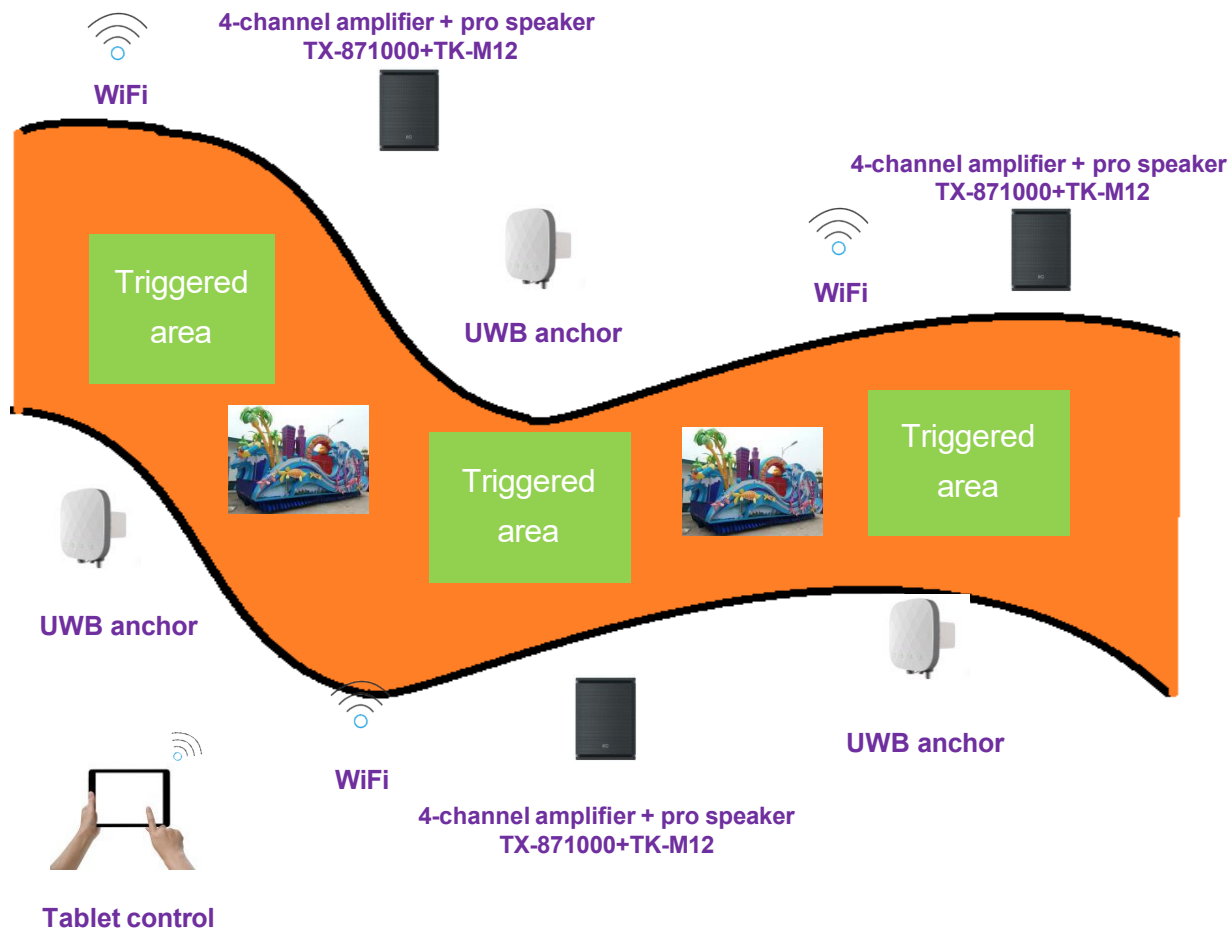
Local sound system of floats



Float parade



Float route



Smart education System

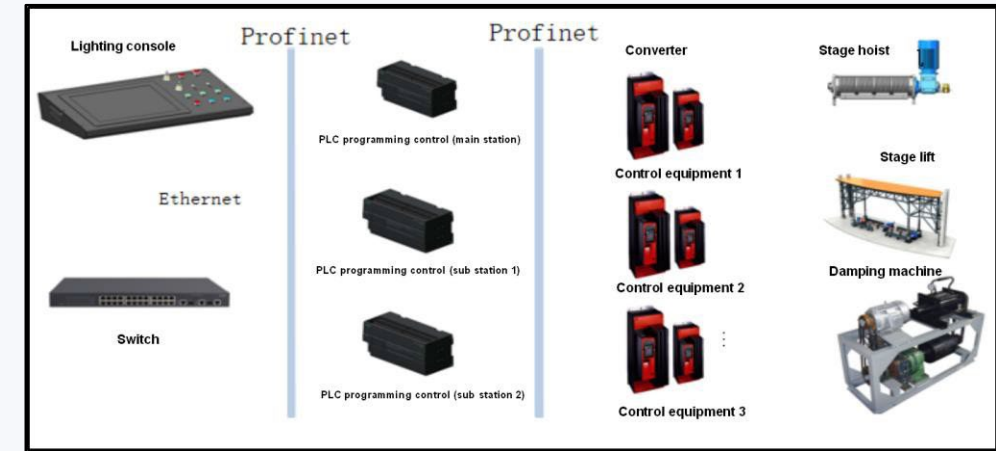
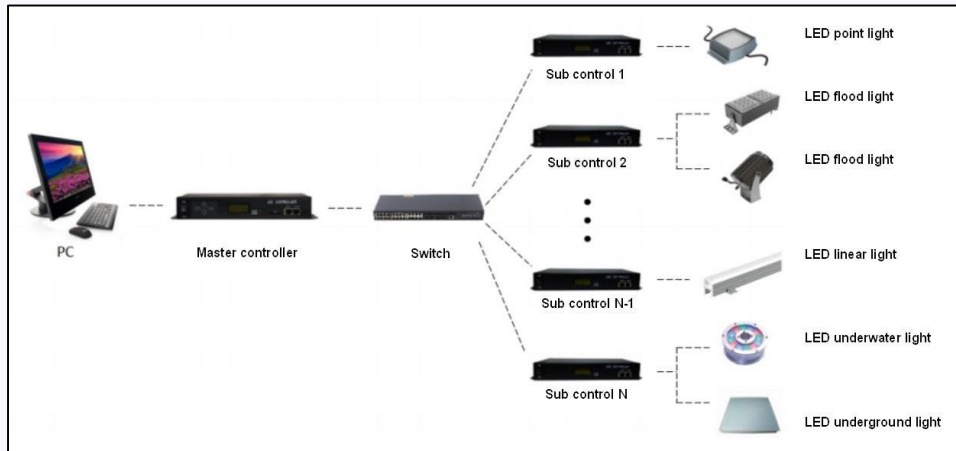
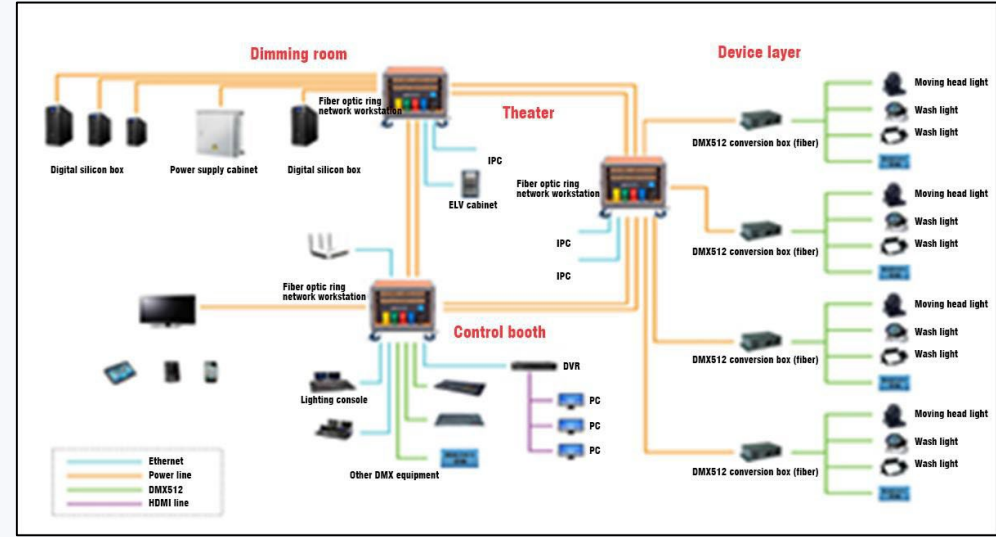
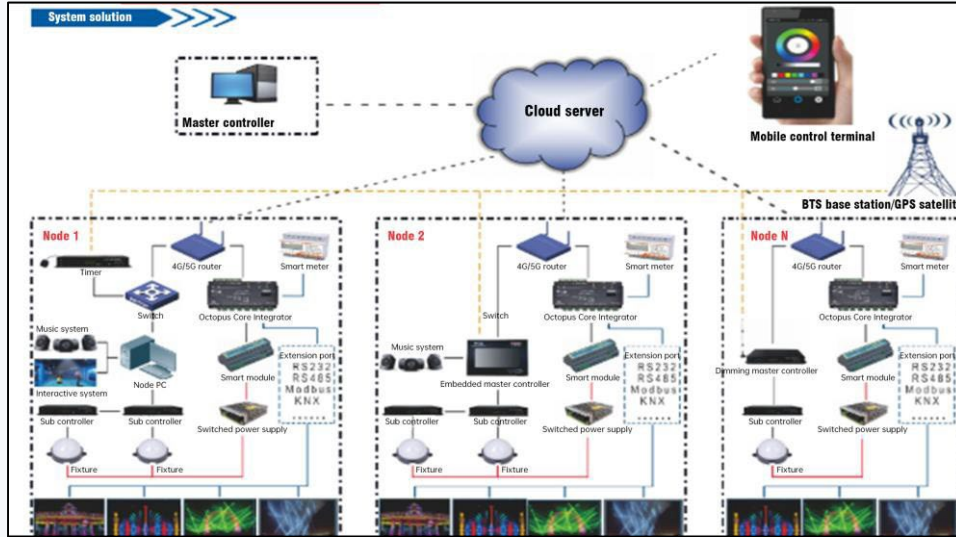
Landscape lighting system



Landscape lighting is an integral part of the city landscape lighting projects. It plays an important role of shaping natural and human landscape image of the night.

ITC landscape lighting products are widely used in decorative Park, city lighting, bridge lighting, advertising and commercial venues, public buildings, cultural landscape decoration lighting, and so on.

As we have the professional expertise and experience, we can design the whole system solutions according to your requirements that are also safe and energy-efficient.





• Point (LED point light)



— Line (LED linear light)



■ Surface (LED flood light)



Project Name: Dam Line Project in Panzhihua City, Sichuan

Name: LED wall washer

Specification:

108W/1000*98*102mm/AC220V/sand grey/30°/RGBW

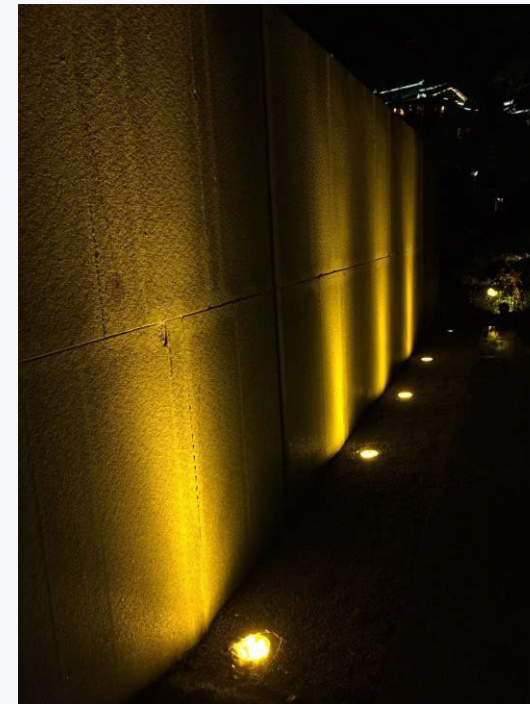


Product installation position

Name: LED underground light

Specification:

18W/D200*120mm/DC24V/304 stainless steel natural color/Philips/30°/3000K



Product installation position

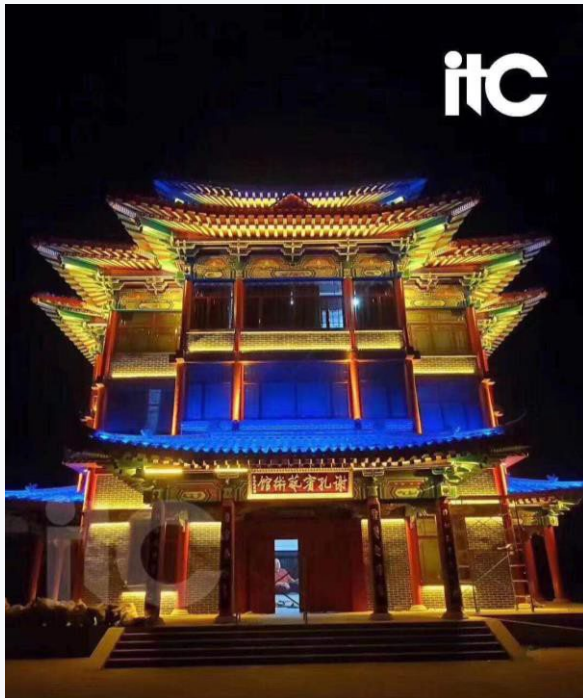


Project Name: Xie Kongbin Art Museum, Shandong

Name: LED corrugated light

Specification:

6W/150*73*94mm/DC24V/DMX512/sand grey/Sanan 3535/20°/RGB



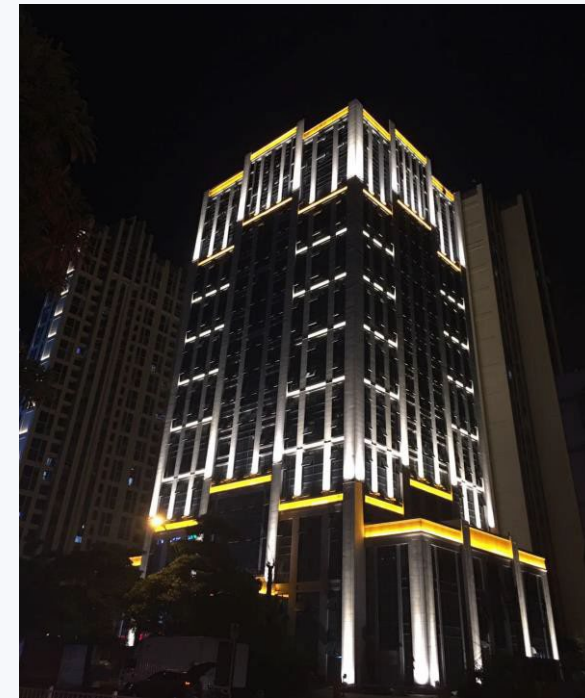
Product installation position

Project Name: Hanjiang Building Project, Fujian

Name: LED flood light

Specification:

130W/642*180*171mm/AC220V/fine sand grey/CREE-XPE/8°/4000K



Product installation position



Project Name: Fine Arts Building Project of Fujian Academy of Arts and Design

Name: LED linear light

Specification:

10W/1000*30*50mm/DC24V/soft white PC/ DMX512 /iron grey/Sanan 5050/120°/RGB



Product installation position

Project Name: Hanjiang Building Project, Fujian

Name: LED point light

Specification:

3W/122*94*54mm/DC24V/soft white PC / DMX512 /fine sand black/EPISTAR 3535/120°/RGB



Product installation position

Application scenarios



Yuechi Cultural Tourism Project in Guang'an City, Sichuan



Smart education System

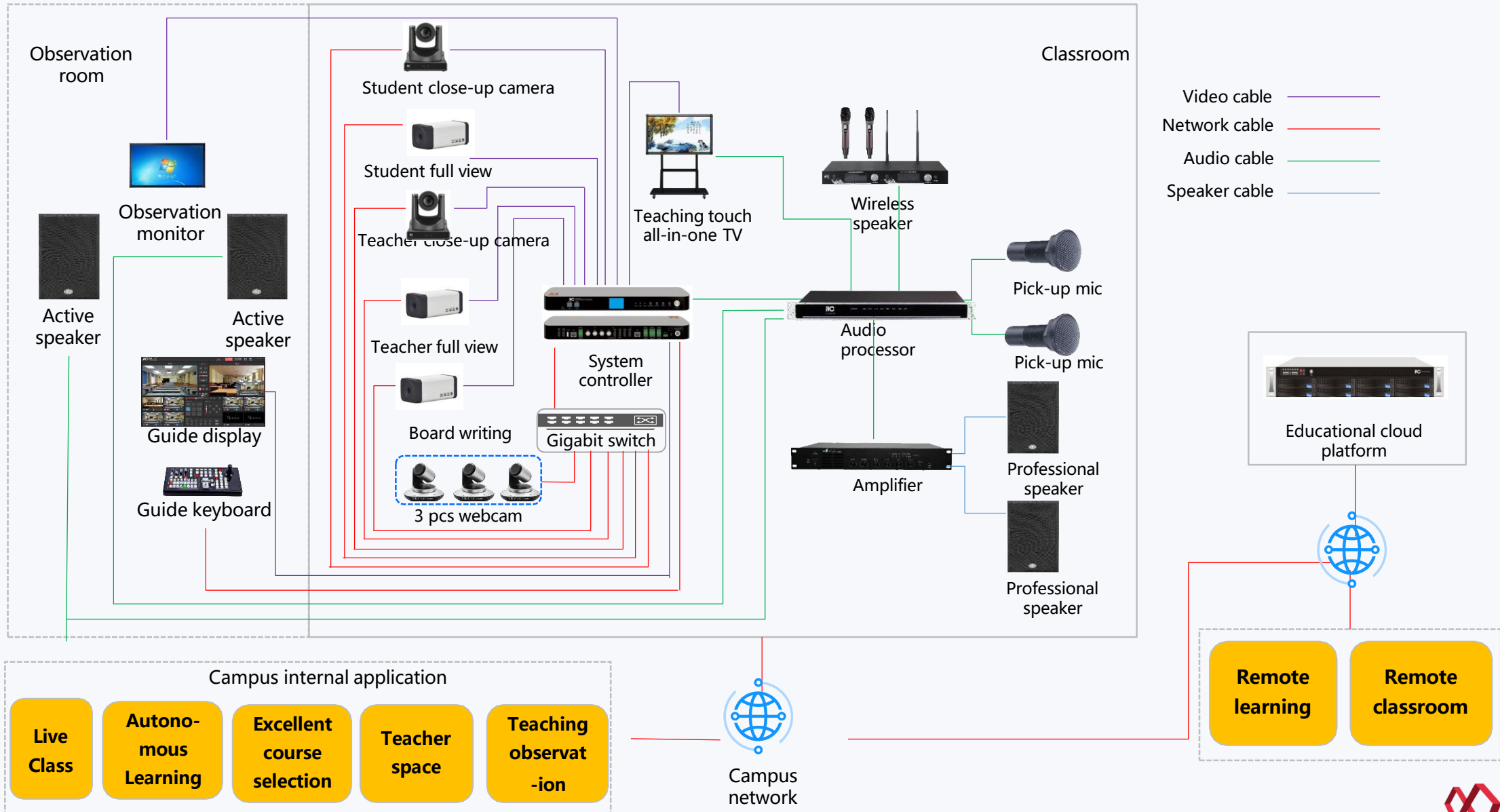
High-quality recording and broadcasting system

The high-quality R&B system can meet the daily needs of recording, sharing and evaluating courses for schools to participate in activity, and it is also an important part of smart classroom construction.

The main use scenarios include: recording and broadcasting classroom, smart classroom, smart party building, R&B training room, interactive teaching, dual-teacher classroom, helping and educating, R&B conference room, etc.

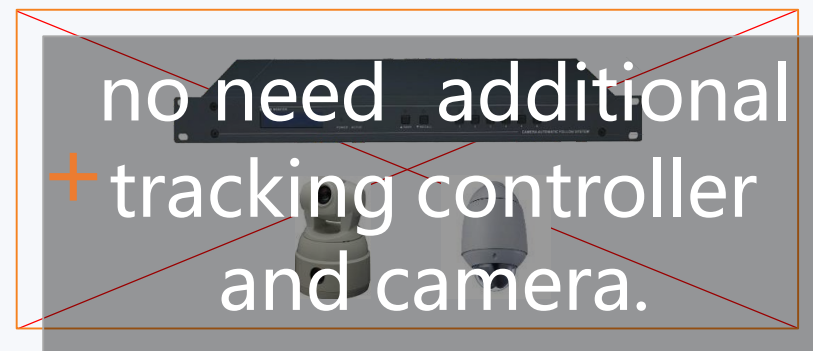


System Architecture



Main Advantages

Intelligent tracking, no need additional tracking controller and camera. The recording and broadcasting controller is embedded with image recognition and image tracking module. According to panoramic image analysis, the most advanced tracking algorithm is used, with an accuracy of more than 90%.

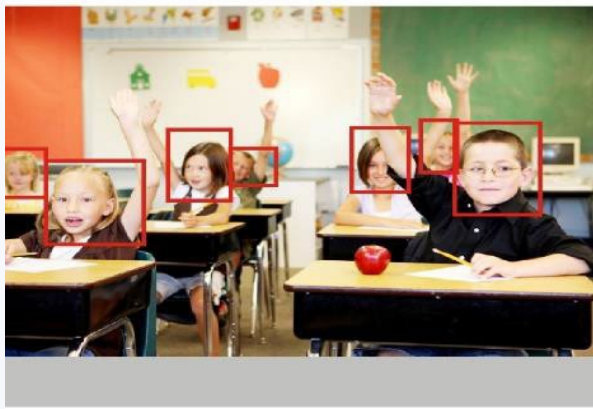


Compared with the traditional recording and broadcasting controller + tracking controller combination mode, it has simpler architecture, better performance, higher stability and more accurate tracking

Main Advantages

Image recognition and analysis technology

Principle: Based on the image accumulation in the past experience, compare the new image with the image in memory, and analyze an image. Then, the image is similar to or matched with the image stored in memory, which is analyzed by special software and set as the tracking object. When the object moves in the picture, the camera is controlled to rotate so that the tracking object is always in the shooting range, so as to realize the automatic tracking of the human image.

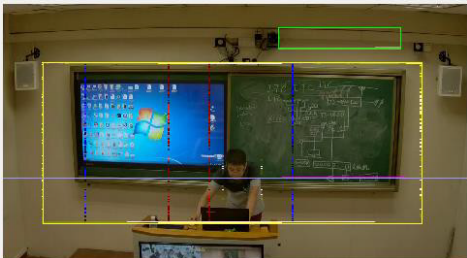


Main Advantages

Face contour detection

- Adopt the most advanced tracking algorithm, with an accuracy rate of over 90% through face contour detection method;
- Support tracking recognition shield function. Support wide dynamic recognition technology of standing, sitting, left and right, front and back. Support standing time setting, tracking area recognition and other tracking features;
- Support face recognition, identify face contour and detect active targets. Adopt 3D image composite image recognition analysis algorithm, which can intelligently judge the behavior and action of teachers and students. With independent special tracking detection equipment for 3D depth-of-field data collection, it can independently track teachers, students and board writing respectively.

全景画面:



教师 | 学生 | 设置 |

跟踪区域参数:
 X: 41 Y: 60 (当前划定区域的坐标及宽高)
 W: 391 H: 166

教师(Rect): 41,60,391,166 (教师的跟踪范围)
 板书(Rect): 284,24,126,22 (板书的跟踪范围)

预置位数量: 9 (云台相机的预置位数量)
 特写的宽度: 5 (云台相机的特写范围)

站立时间: 2 秒(全景切特写所等待的时间)

跟踪面积: 4047
 面积比例: 600 跟踪面积上限比例, 大于100
 走出讲台: 119

应用


云台摄像机
 ↑ + 速度: 12
 ← Home → 最右端预置位
 ↓ - 最左端预置位

通过服务器控制

启动教师跟踪 启动学生跟踪

保存配置文件 载入配置文件 关于

特写画面:



全景画面:



教师 | 学生 | 设置 |

顶点位置:
 左上: 165,71 右上: 294,71 (四边形的四个顶点的坐标值)
 左下: 38,198 右下: 421,198

顶点宽度:
 左上: 17 右上: 17 (四边形的四个顶点到离最近的学生的距离)
 左下: 39 右下: 39

0 ————— 150

跟踪延时: 0.5 秒(目标无动作保持跟踪的延时)
 坐下时间: 0.4 秒
 起立时间: 0.4 秒
 大目标阈值: 400 % (与设置宽度的比值超过该值为大目标)
 清除目标时间: 20.0 秒
 起立高度差比值: 90 %
 灵敏度: 低

应用

云台摄像机
 ↑ + 速度: 12
 ← Home → 标定左上角 标定右上角
 ↓ - 标定左下角 标定右下角

通过服务器控制

启动教师跟踪 启动学生跟踪

保存配置文件 载入配置文件 关于

特写画面:



Main Advantages



Omni-directional mic



Its on-site design is very simple, without external leakage lines or equipment, and does not affect the overall appearance of the classroom; it has the advantages of high sensitivity, strong anti-howling ability and noise reduction ability. Building 2-4 is sufficient for ordinary classroom.



Hanging mic

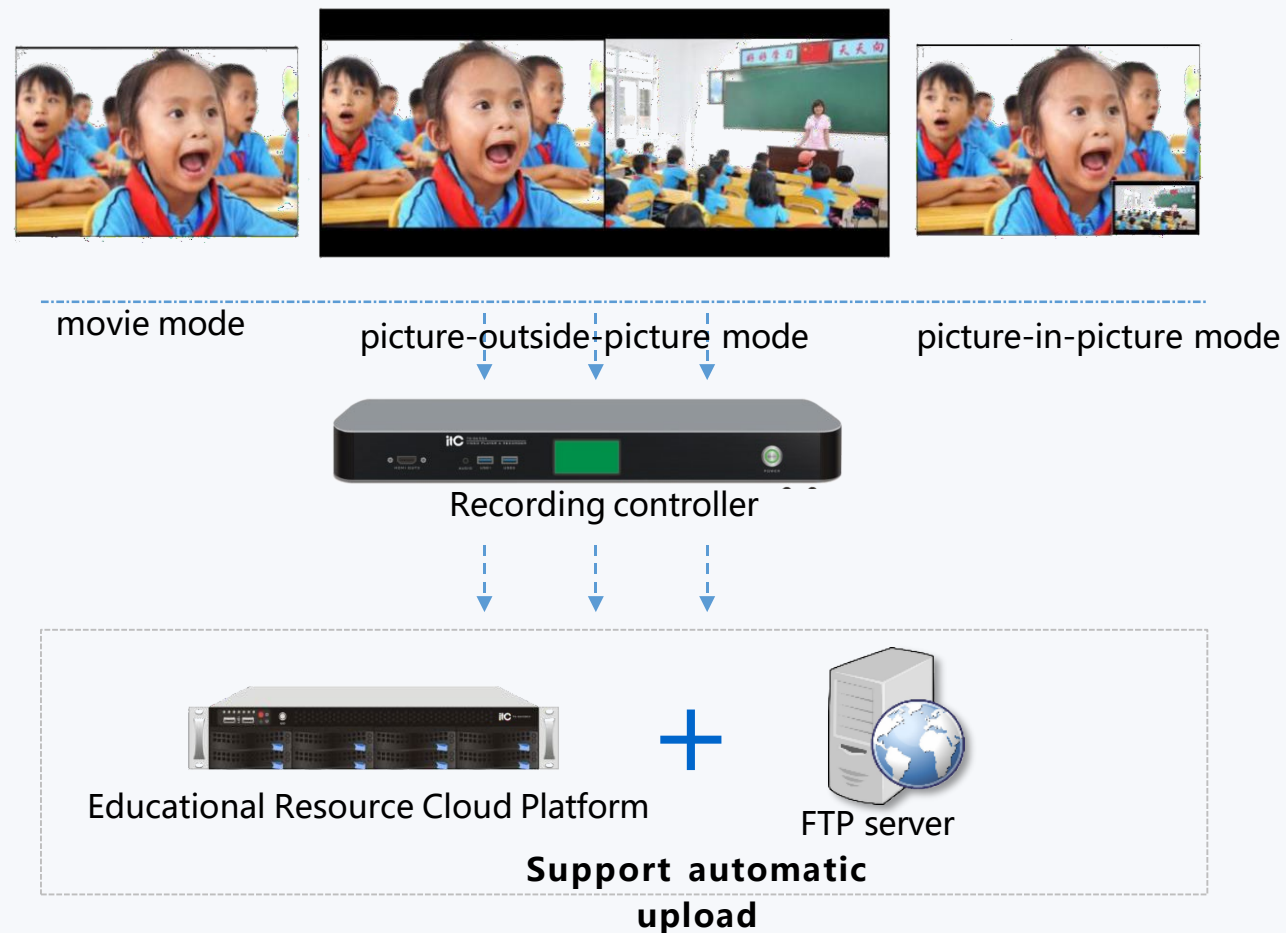


In the field where the hanging micis designed, the microphone has strong directivity, which is easy to produce howling; it has low sensitivity, and an ordinary classroom needs 6-8 hanging mic distribution.

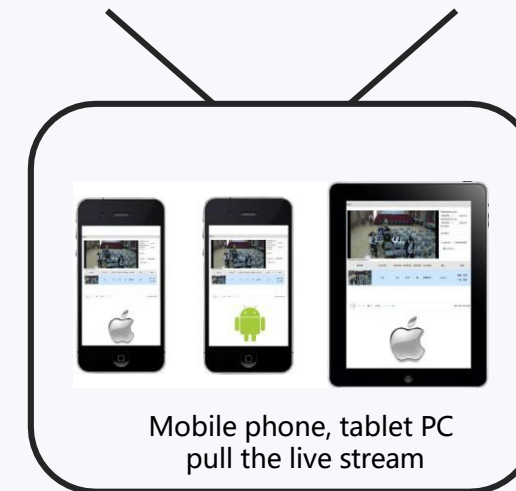
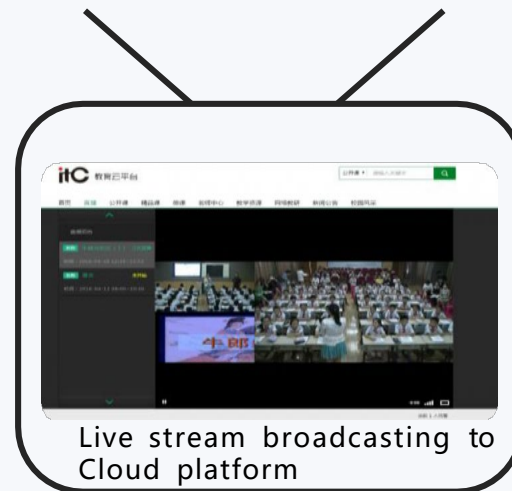
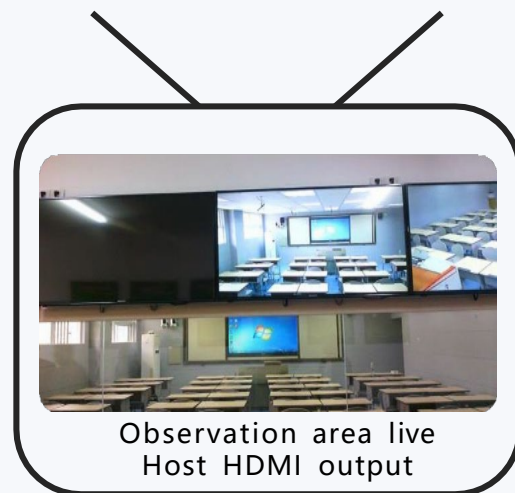
Main Advantages

Personalized recording

- Support 4+1 video simultaneous recording
- Each input signal is saved as a separate file
- Support simultaneous recording of single stream file & multi-stream file
- Support movie mode, picture-in-picture, picture-outside-picture, picture-outside-picture mode, customization
- Make category recording, category storage, and reservation recording for custom categories
- Support adding titles, credits, subtitles, logos
- Support automatic upload to education cloud platform and FTP server



Main Advantages



Live video

- Recording controller supports 50-channel user online live viewing;
- Support HDMI output of recording and broadcasting controller for viewing in classroom observation area;
- Support live streaming to cloud platforms (such as Douyu, Huya, etc.);
- Support for attracting live traffic. Mobile phone, tablet PC (LAN) pull the live stream of the recording controller to watch the live stream.

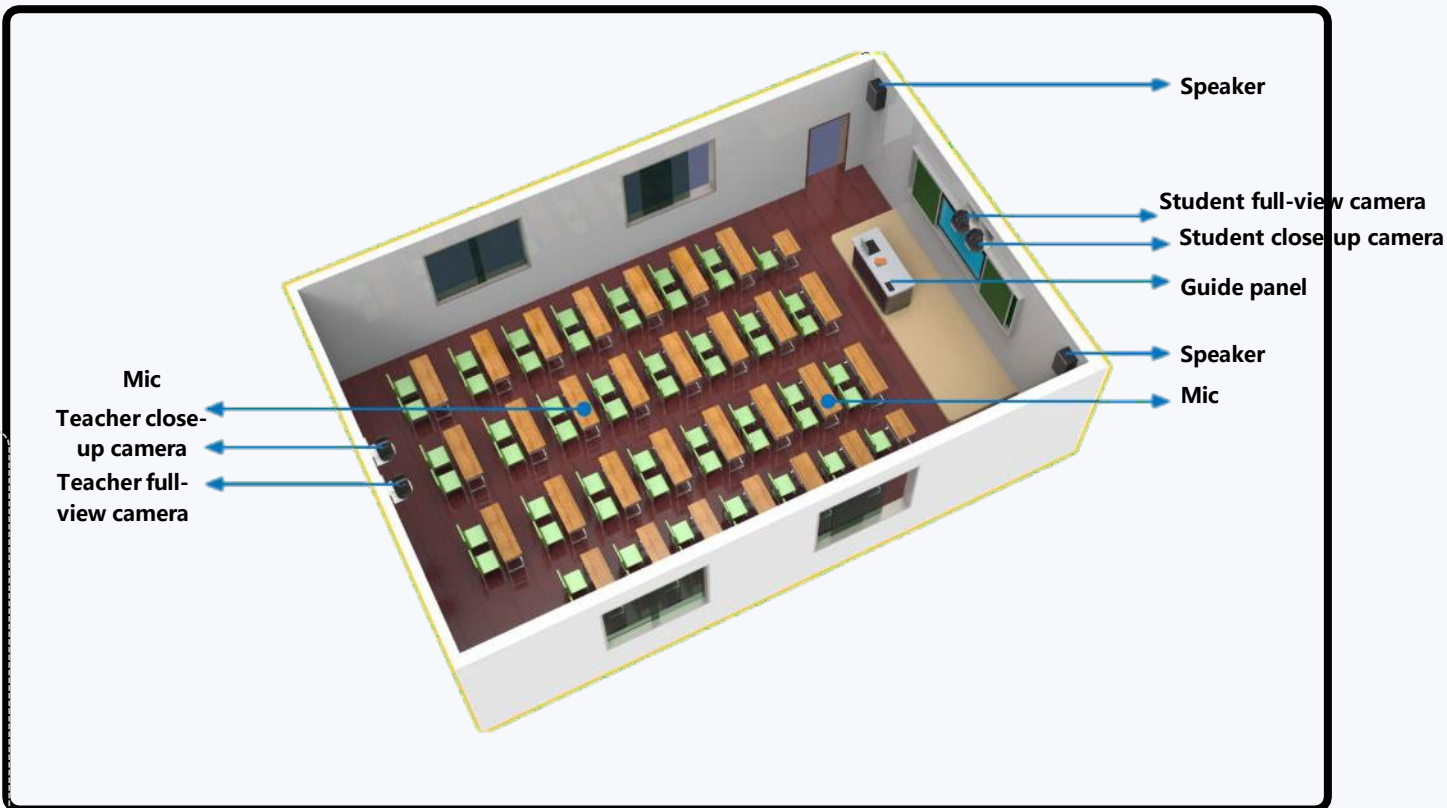
Application scenarios

System construction

- Realize full-automatic shooting of teacher close-up, teacher full-view, student close-up, student full-view
- High-fidelity audio acquisition, with audio processing such as audio noise reduction, echo cancellation, feedback suppression, and noise reduction.

Normal class recording application

- Record ultra HD 4K video with high definition and restore live scene
- Built-in camera automatic tracking module, ultra-precision tracking technology, and smooth tracking screen switching, allow better teacher-student interaction and active classroom
- With the guide station equipment, it can record a lesson with one click and automatically record and broadcast, which is convenient to use and improves efficiency.
- With the guidance station equipment, it can record a lesson with one click and automatically record and broadcast, which is convenient to use and improves efficiency.
- Record high-quality teaching resources and share them across regions to other regions to achieve sharing of teaching resources and balanced education



Smart education System

Smart Interactive blackboard



iTC Intelligent Interactive Flat Panel

Simple and elegant
Environmental friendly

Smooth writing
Eye protection

The multimedia and teaching demonstration platform integrates multiple functions such as large-screen UHD display, interactive electronic whiteboard, computer, TV, speakers and network transmission. Excellent quality and simple operation is greatly convenient for teaching, and effectively improve the teaching environment.



PRODUCT



Intelligent Interactive Flat Panel

Standard:



Stylus



Teaching pen



Wall-mounted stand

Optional:



Wireless screen sharing transmitter



+



OPS computer module (i5/i7)



Mobile stand



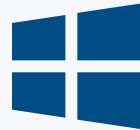
Smart pen

Main Advantages

- Built-in dual system functions of Android and Windows can realize quick switching, making the conference application more convenient.



Android 9.0



Windows10 (OPS)



Main Advantages

- The computer can project the screen through the wireless screen sharing transmitter; computer, mobile phone, and tablet can realize screen projection by downloading the screen sharing assistant APP.
- The computer/laptop signal can be transmitted to the interactive flat panel for display, and four signals can be received and displayed on the same interactive flat panel at the same time.



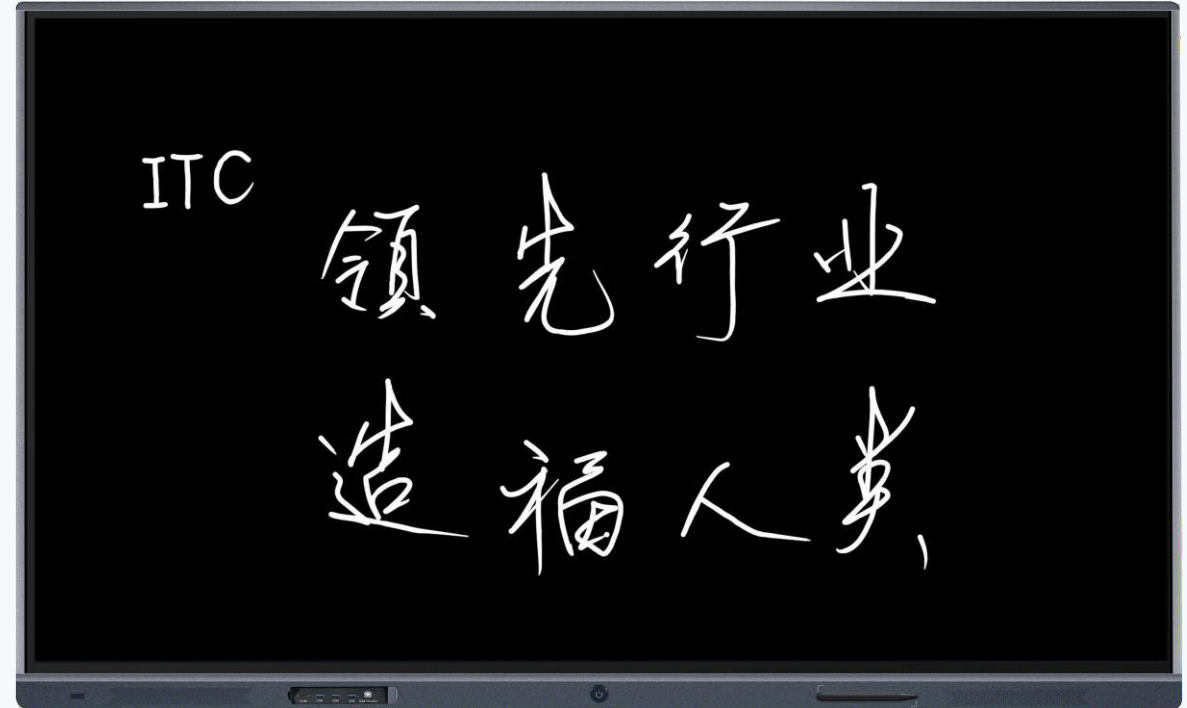
Main Advantages

- You can quickly call up the menu on the side of the screen to realize functions such as timer, schedule, camera, touch lock, screen recording, screen capture, spotlight, and voter.



Main Advantages

- Fast response speed, smooth writing.
- Free annotation with original handwriting.



Main Advantages

- **Smart operation, quick call tool on the sidebar, any channel can write, annotate and take screenshots.**
- **Smart identification, automatic identification of signal paring input channel, automatic shutdown when no signal input.**
- **Smart lock, quick lock screen touch and button to prevent accidental operation.**
- **Smart management and control, real-time monitoring of the temperature of the whole machine, automatic shutdown when the temperature is too high**



Main Advantages

- With safety photobiological guarantee, it will not cause ultraviolet and blue light damage to human eyes and skin.
- The screen has anti-glare interference performance, and isn't affected by strong light exposure.



Main Advantages

- Low radiation, green and healthy.
- One-key energy saving, low standby power consumption, greatly reducing energy consumption.



Application scenarios

一、Interactive demonstration

1. Used for company introduction, product demonstration, plan comparison and explanation;
2. Screen sharing, writing synchronization, annotation and scan code sharing;
3. Richer high-definition display effects;
4. Simple and elegant appearance enhances the brand image of the company's products.



二、Training

1. Integrated display, touch, audio, and network;
2. Only need a laptop, mobile phone or USB flash drive to have a meeting;
3. Screen sharing, writing synchronization, annotation and scan code sharing;
4. Flexible installation method, support wall-mounted design, or equipped with movable tripod;
5. Perfectly adapted to various meeting environments.



三、Remote video conference

1. Matching with video conferencing software;
2. Break through the limitations of traditional meetings, saving time and money ;
3. Support screen projection of mobile phones and computers to intelligent interactive tablets; support two-way control.



Smart education System

Education sound reinforcement system



Classroom Hanging Microphone Professional Sound System

Built-in high-performance DSP processor, the professional sound system adopts automatic gain, adaptive feedback suppression, automatic equalization, noise reduction and other audio algorithms, with high definition, high fidelity, and high stability. Rich in functions, easy to use. It not only frees the hands of teachers, but also amplifies teachers' low voice. In the case of long-distance pickup, the sound transmission gain and clarity can be greatly improved, making teaching easier and more efficient.



PRODUC T



Microphone processor
TS-P110/TS-P210

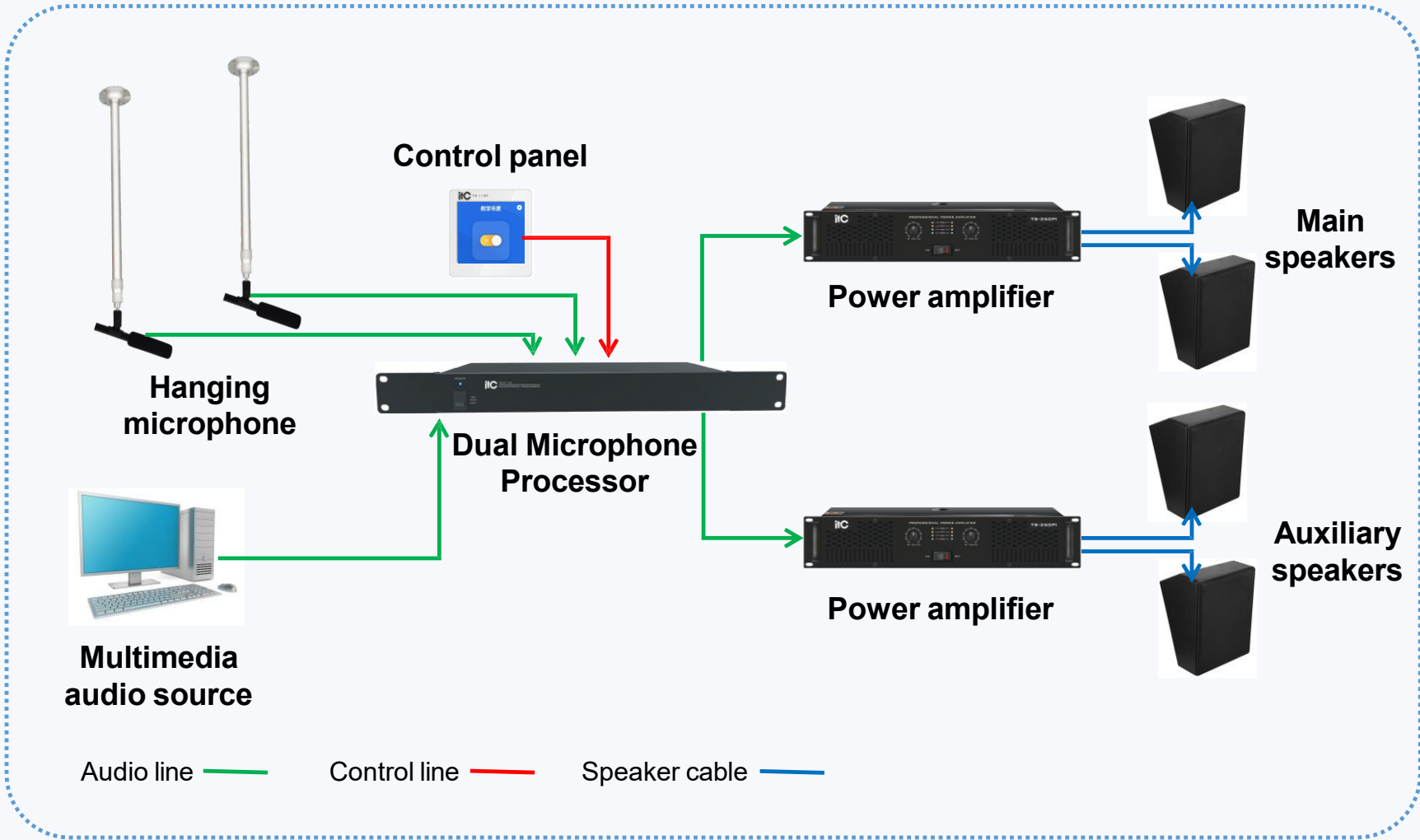


Hanging microphone TS-P110DM
Bracket TS-P110ZJ



Control panel
TS-P110T

System Architecture



- This solution is suitable for large classrooms with a length of more than 14m and a width of about 10~14m.
- The pickup coverage radius of single microphone is about 5m, and the coverage of double-mic is about 6~10m. No dead corner coverage, directional pickup.
- Amplifiers and speakers can be selected according to professional sound system design standards.

Main Advantages

Automatic sound field test

During the sound field test, the speaker will automatically emit noise to detect the acoustic environment. After the automatic sound field adjustment is turned on, the processor will automatically adjust the balance to achieve the best sound reinforcement effect.

Because the system needs to adapt to the acoustic environment, after the noise disappears, continue to speak to the microphone for about 20 seconds to complete the debugging. User can turn on the hanging microphone with one key.



Main Advantages

Automatic Gain Control AGC

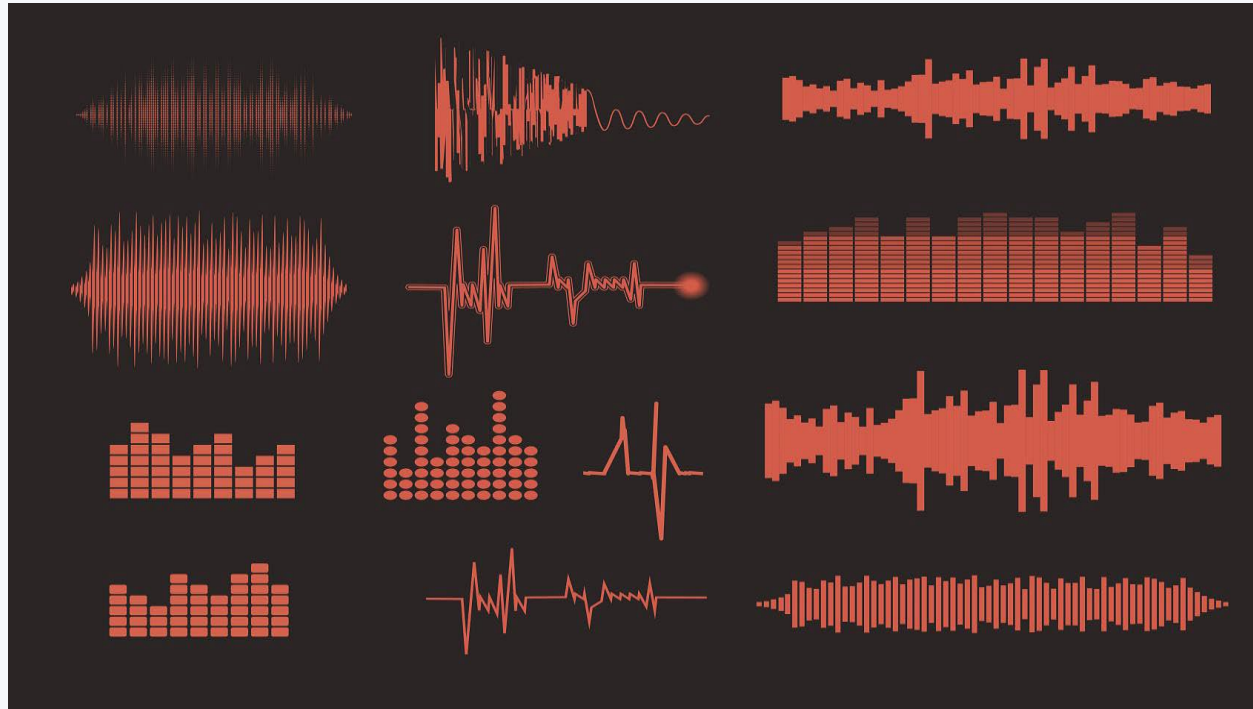
The processor adopts advanced automatic gain control algorithm. Preset a threshold value in advance, when the audio signal picked up by the microphone is lower or higher than the threshold value, the system will automatically give the audio signal gain boost or attenuation, making it close to the threshold value. In this way, the input signal level of the microphone is controlled to be constant, so as to ensure that the voice of teacher can always be seen clearly.



Main Advantages

Environmental Noise Cancellation ENC

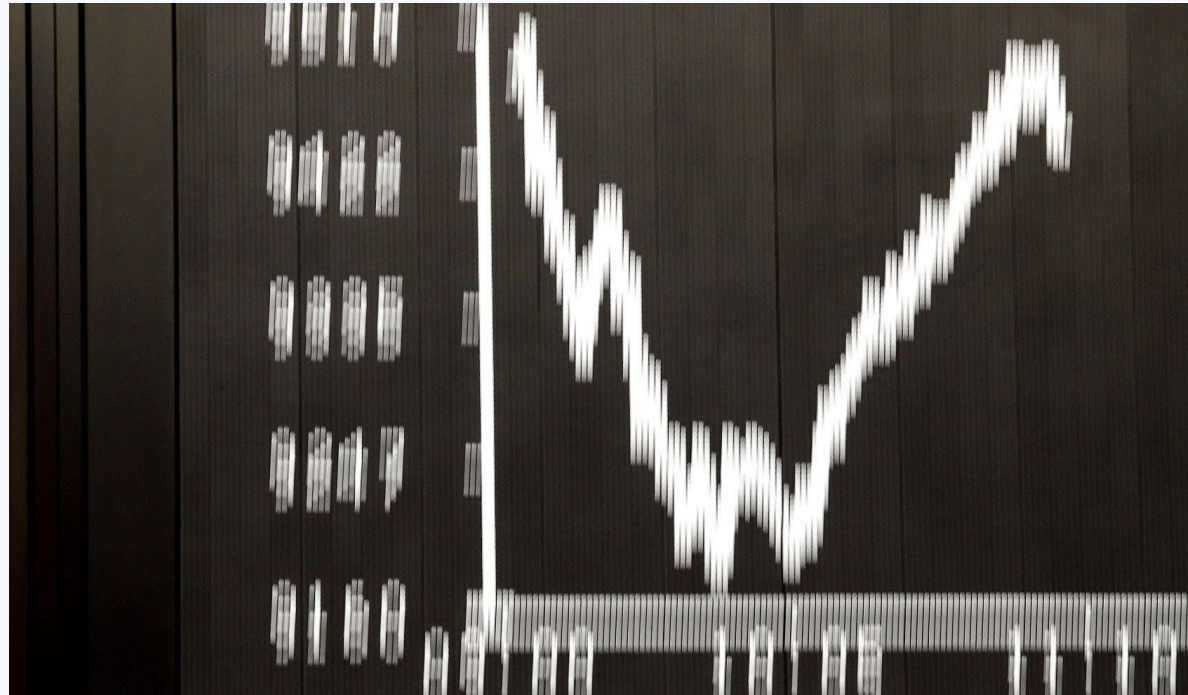
The hanging microphone has ultra-high sensitivity and large pickup range. While collecting the teacher's speech, it also collects noises in the environment. In order to protect the target voice and remove various interfering noises, the system adopts environmental noise elimination algorithm, which can effectively eliminate more than 90% of the environmental noise, thereby reducing the environmental noise by up to 30dB, ensuring high-quality speech. In short, by calculating the sound wave of environmental noise, generate an anti-phase wave to cancel the noise sound wave.



Main Advantages

Adaptive Feedback Cancellation AFC

While using the professional sound system, echoes or howling often occur. That's because the microphone sound released by the speaker is collected by the microphone again, and it is amplified again and continuously circulated to the limit of the speaker, causing howling. In order to avoid this situation, the processor adopts adaptive feedback cancellation algorithm, which automatically adjusts and processes the input digital signal through adaptive filter, so as to optimize the reflected sound signal of the speaker collected by the microphone.



Application scenarios

- It is suitable for classrooms with a length of more than 14m, a width of about 10~14m, and a podium width of no more than 10m.
- The pickup radius of the hanging microphone is about 5m, the optimum pickup distance is about 4m, and the lateral pickup range is about 6~10m.
- Double hanging microphone + microphone processor + control screen + professional amplifier + professional speaker. (The power amplifier and speakers are designed according to the actual situation)



Smart hospital system

Medical guidance and triage system

System Overview

- The construction of smart outpatient service includes lobby information propaganda system, medical guidance and triage system, floor 3D navigation system, self-service terminal management system, outpatient queuing system, medical technology queuing system, pharmacy queuing system, physical examination queuing system, inter-clinic payment system, etc. After the construction, it can effectively solve the "Long time queuing for registration, for medical treatment and payment, short time in seeing the doctor" problems of patients before, during and after diagnosis, optimize outpatient medical order, reduce doctors' work pressure and improve patients' sense of medical experience.

• Orderliness

- Wisdom guidance
- Map navigation
- Wisdom triage call
- Intelligent information release

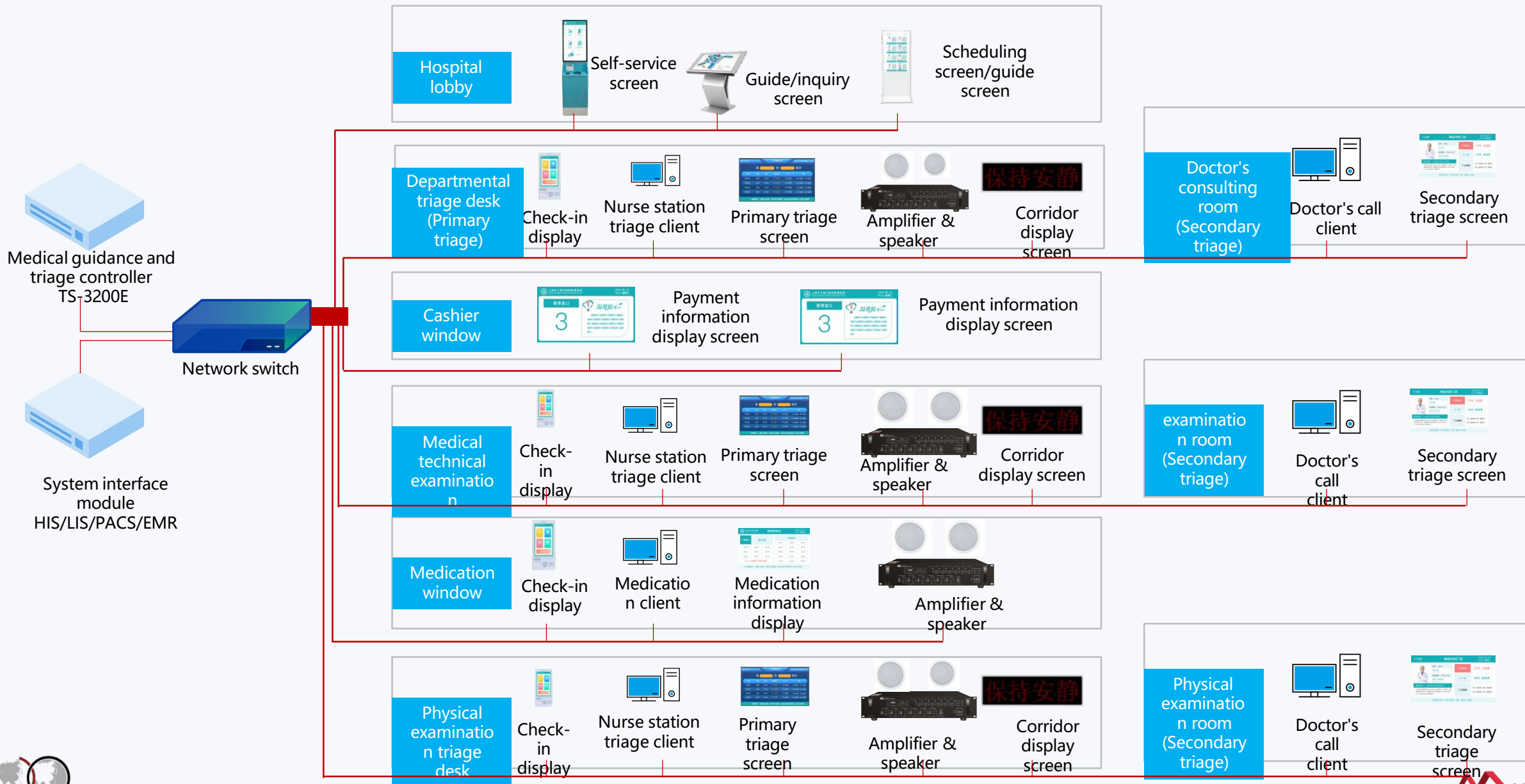
• Work efficiently

- One person, one number, order calling.
- Environmental improvement and efficiency improvement
- Diversion of wisdom and improvement of quality
- Orderly medical treatment

• Diversification of information propaganda

- Diversification of display forms
- Diversification of information release
- Information transmission and timely update
- Diversified information.

System Architecture



Main Advantages



Self-service registration, self-service payment, appointment registration and self-service number retrieval



Dynamic 3D map navigation, touch query



Multimedia information display, hospital dynamic real-time update



Medical guidance and triage functions: information scrolling, voice-to-text playback, warm tips, etc.



Self-service sign-in, automatic numbering, queue query, etc.



Call-in function: call again/call over/stop diagnosis/reception, waiting queue query, etc.

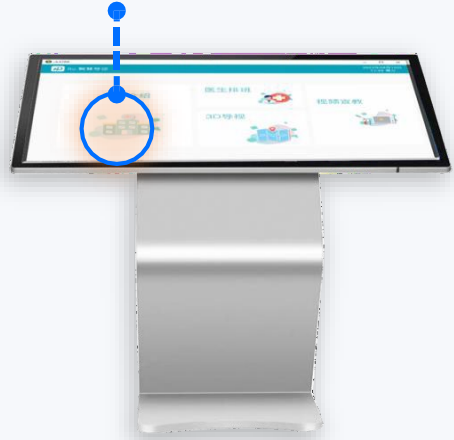
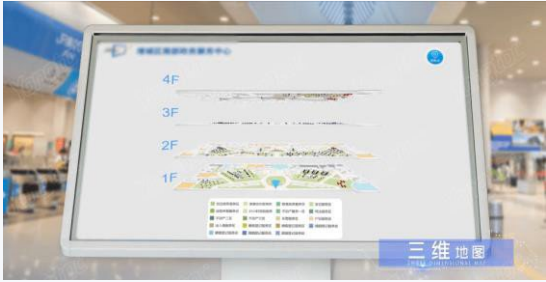


Nurse triage client functions: manual key signature, manual triage, etc.



The guidance and triage system support to intergrate with HIS system, PACS system and EMR system.

Main Advantages



3D map navigation

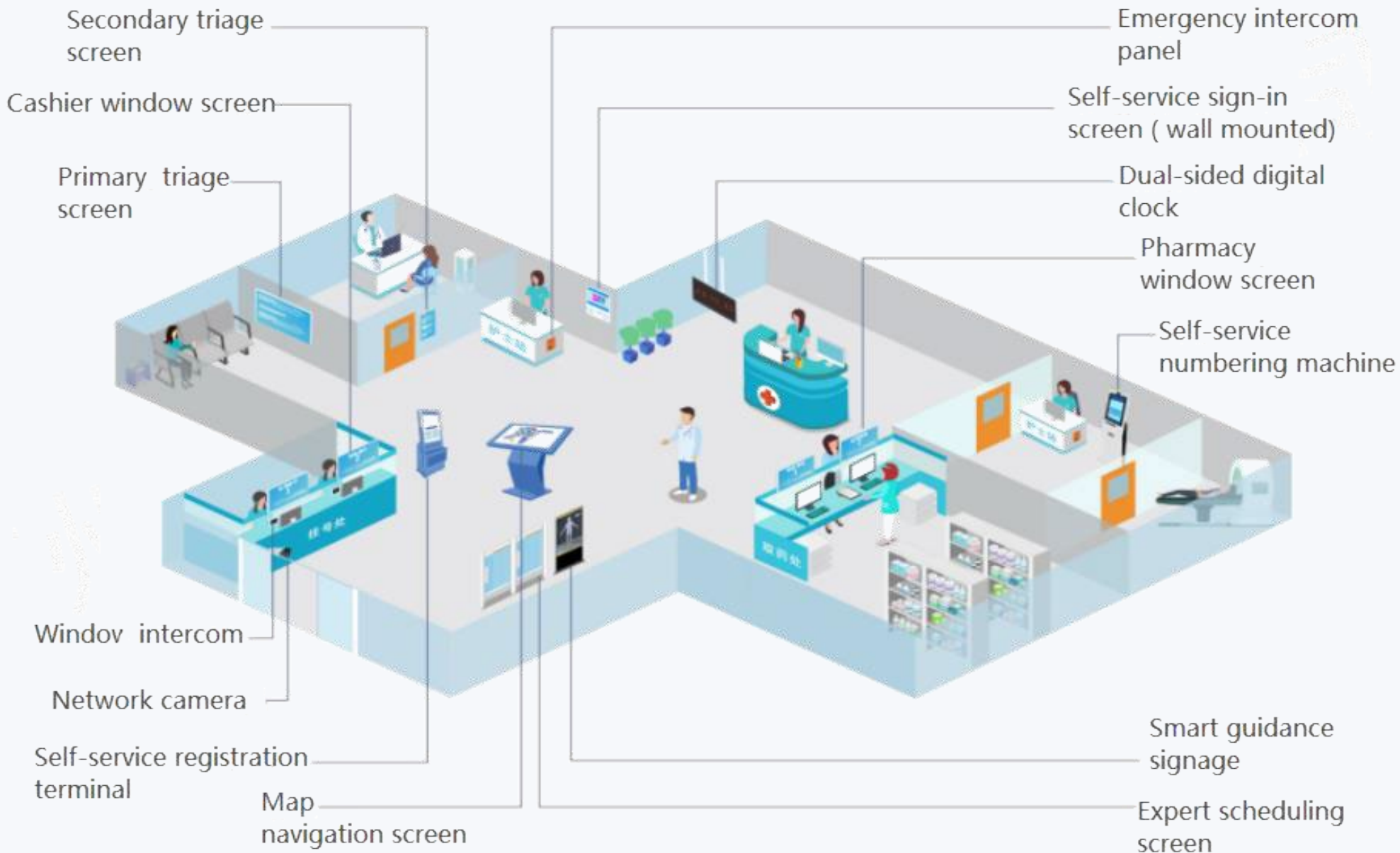
The hospital's 3D visual guidance screen uses 3D map and indoor positioning technology to present the layout of the hospital in a three-dimensional way, and quickly establish spatial perception for hospital patients. Provide medical navigation for patients to quickly find specific locations such as outpatient clinics; Support destination search, the system automatically plans the shortest path for patients, and scans the code to get the navigation route with one click.



Layout customize editing

Support to customize the color, layout style and font size of equipment templates (primary triage screen, secondary triage screen, payment window screen, etc.). Realize free shift and drop of components, reduce development and layout quickly.

Main Advantages



Smart hospital system

Medical intercom system

System Overview

The medical intercom system is based on IP network communication technology, which realizes the paging and intercom of patients, nurses and doctors. By intergrating with HIS system, it realizes the information interaction functions such as ward information display, patient information display and hospitalization expenses inquiry.

Hospital management

- Understand hospital flow and set up posts scientifically.
- Visualize data presentation to improve management efficiency.
- Unified management of hospital equipment.
- Improve service quality and reduce the contradiction between doctors and patients.

Patients/relatives and friends

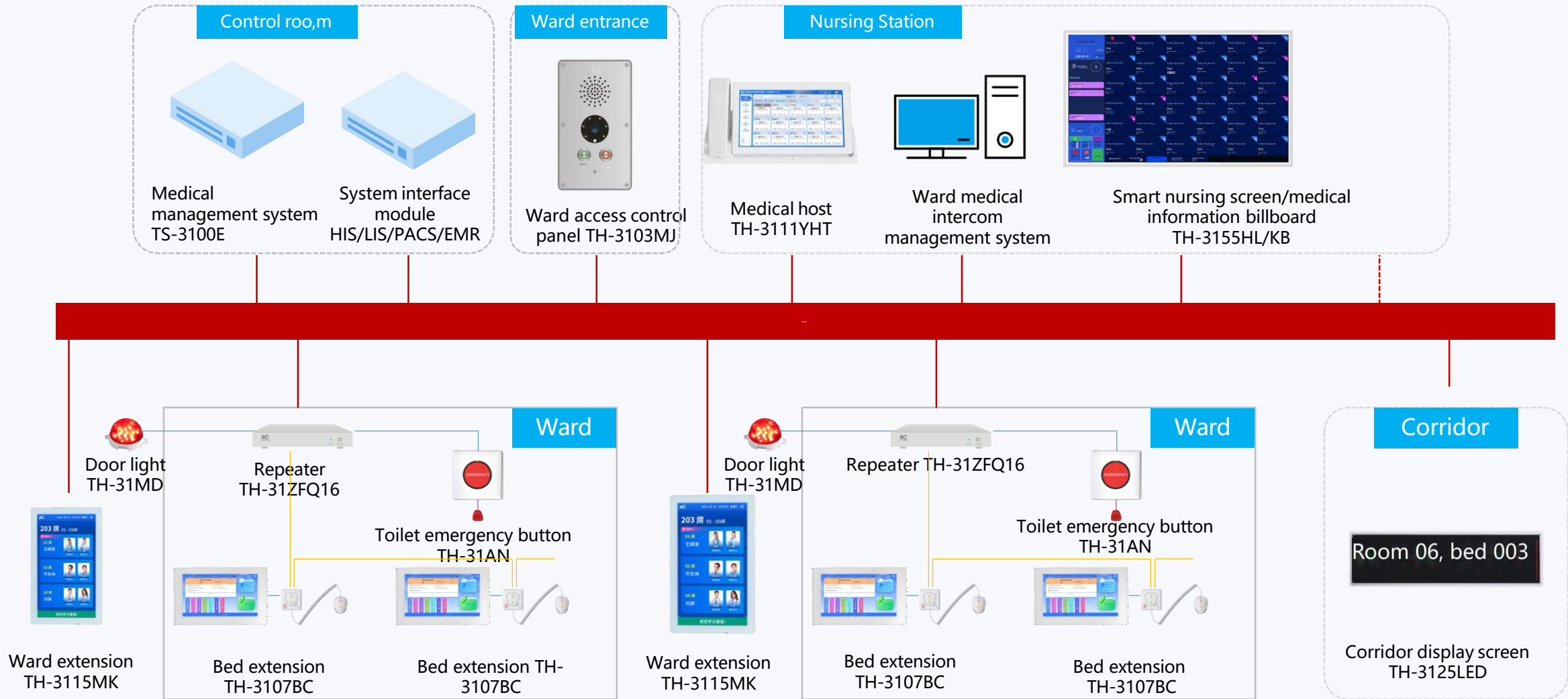
- Meet the needs of medical care in time.
- Improve the experience of medical treatment and hospitalization.
- Improve the efficiency of medical treatment and reduce the cost of medical treatment time.
- Convenient digital medical treatment, reducing learning costs.

Healthcare workers; medical staff

- Effectively communicate between doctors and patients and improve the relationship between doctors and patients.
- Facilitate work docking and communication.
- Improve nursing quality and efficiency.
- Reduce the labor loading.

Operation and maintenance

- Equipment maintenance is convenient.
- Can locate and remove obstacles in time.
- The system has strong anti-interference ability and perfect interactive information, reduces the operation and maintenance cost.



Main Advantages



Paging & intercom/ward trusteeship

- Patients and their families talk to nurses at the nurse station;
- The medical host supports ward trusteeship;
- Cross-ward paging, the call of the ward can be hosted to the adjacent ward to answer the intercom if necessary;
- Statistical summary of call data;



Emergency call

- Patients in the bathroom or bathroom accident, can make an emergency call;
- Different ringtones can be customized for nurses;



Calling for reinforcements

- When the nurse is nursing but needs the assistance of other nurses or the patient has an emergency, he can call for reinforcements.



Information display/video education

- Display the patient's basic information, call information, medical staff information, doctor's advice content, expense list and other contents on the display terminal;
- Support health education content such as pictures and videos;



HIS system Intergration

- Support to integrate with hospital HIS system, which can record and manage the information of doctors, nurses and patients in the hospital.

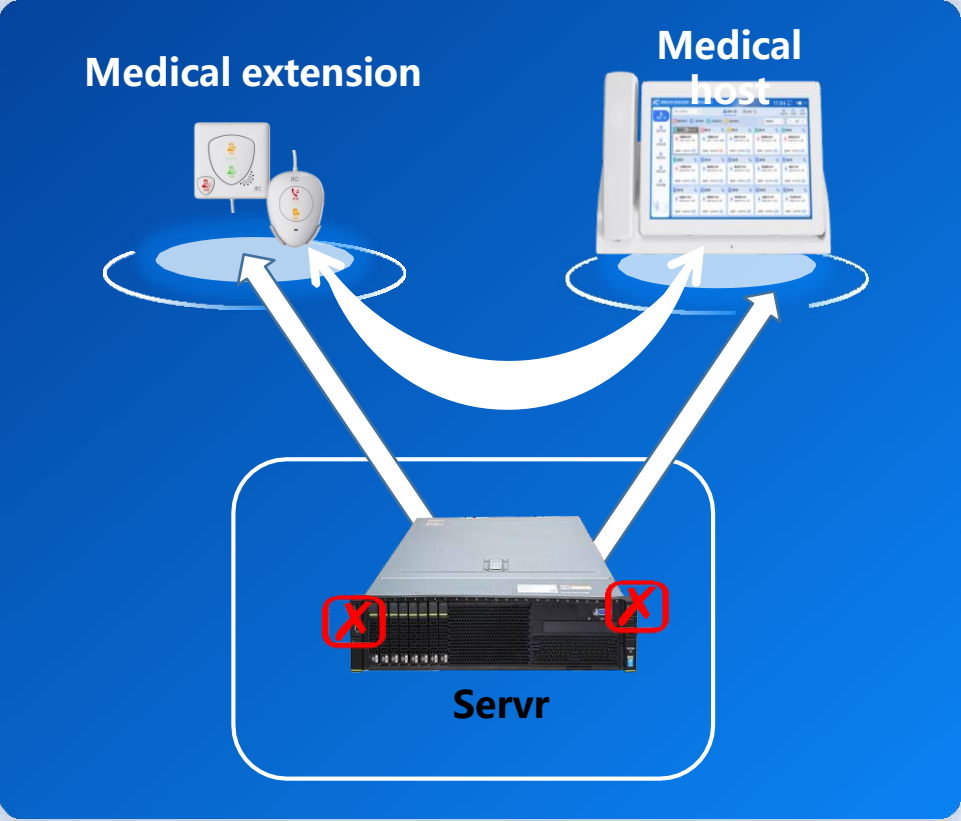
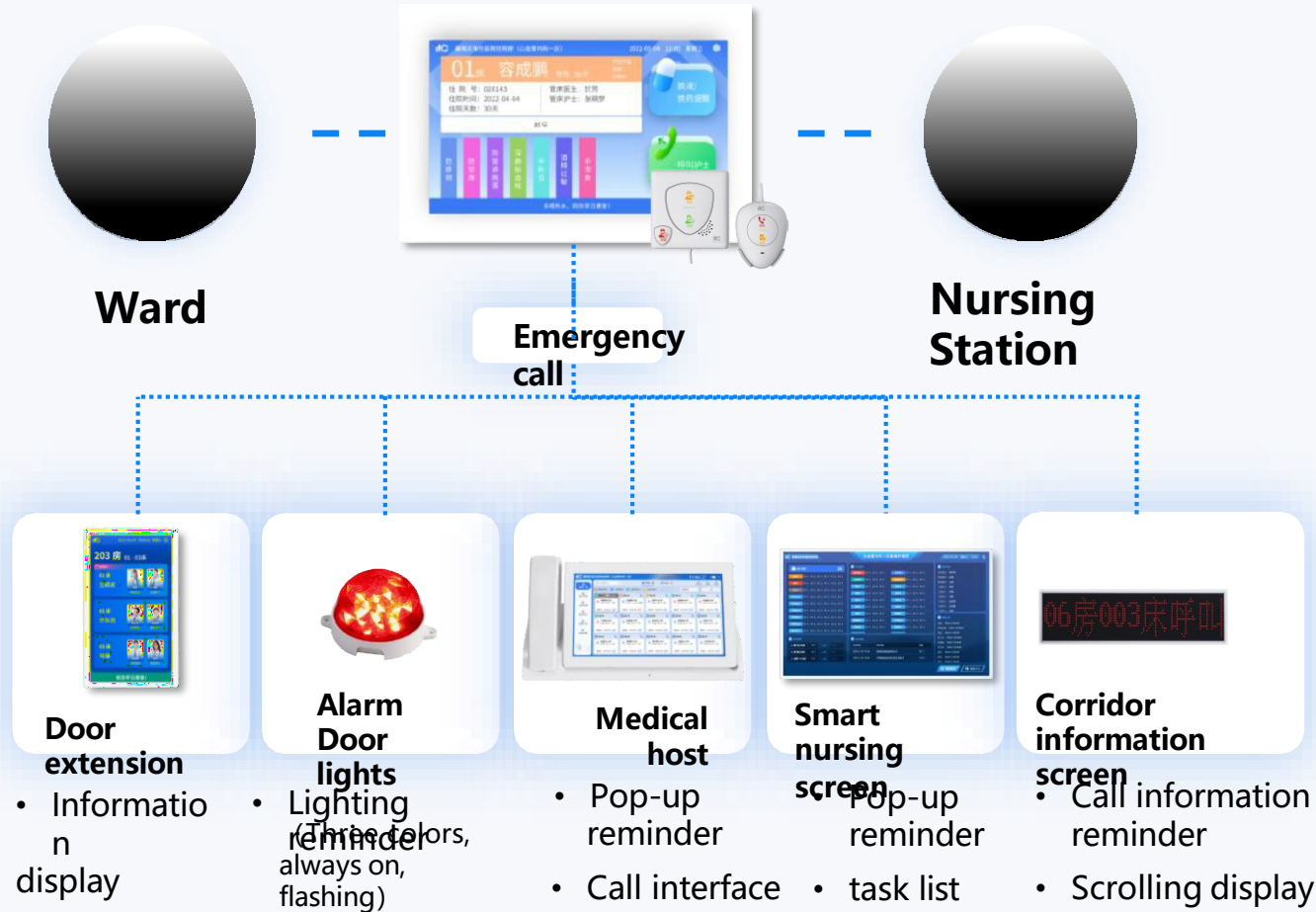


Authority management

- The super administrator can choose any ward to operate, and users in other roles except the super administrator can't choose other wards by default.



Main Advantages



Off-line intercom

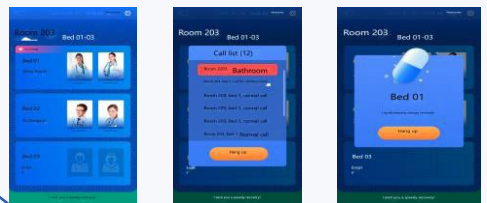
Solve the pain point of communication interruption caused by unstable server operation. When the server is disconnected, it supports the offline intercom function to ensure that patients can call medical care at any time and ensure the safety of patients.

Fiberhome linkage

Main Advantages

Initial UI style

Main color: blue and white



Maternal and Child Health Hospital



Pediatric hospital

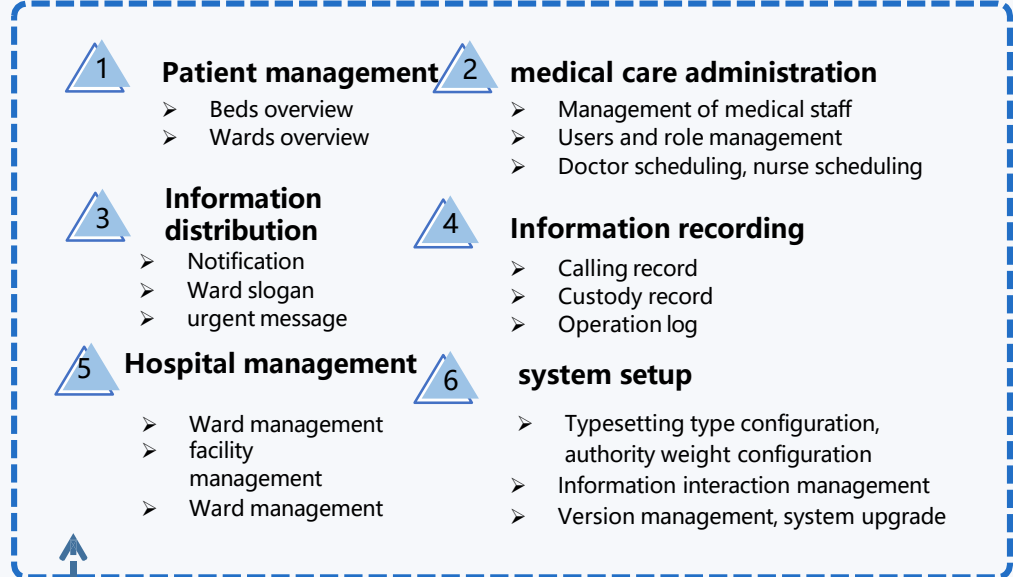


Traditional Chinese Medicine Hospital

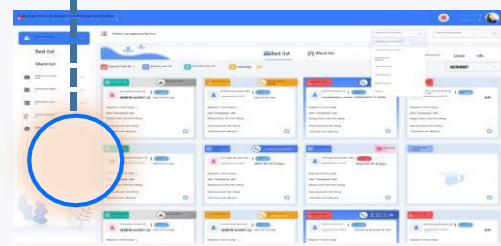


Diversification of UI interface

Solve the pain point of the color and style of the UI interface of the medical intercom system. Personalized layout style can be set according to the hospital category or department.

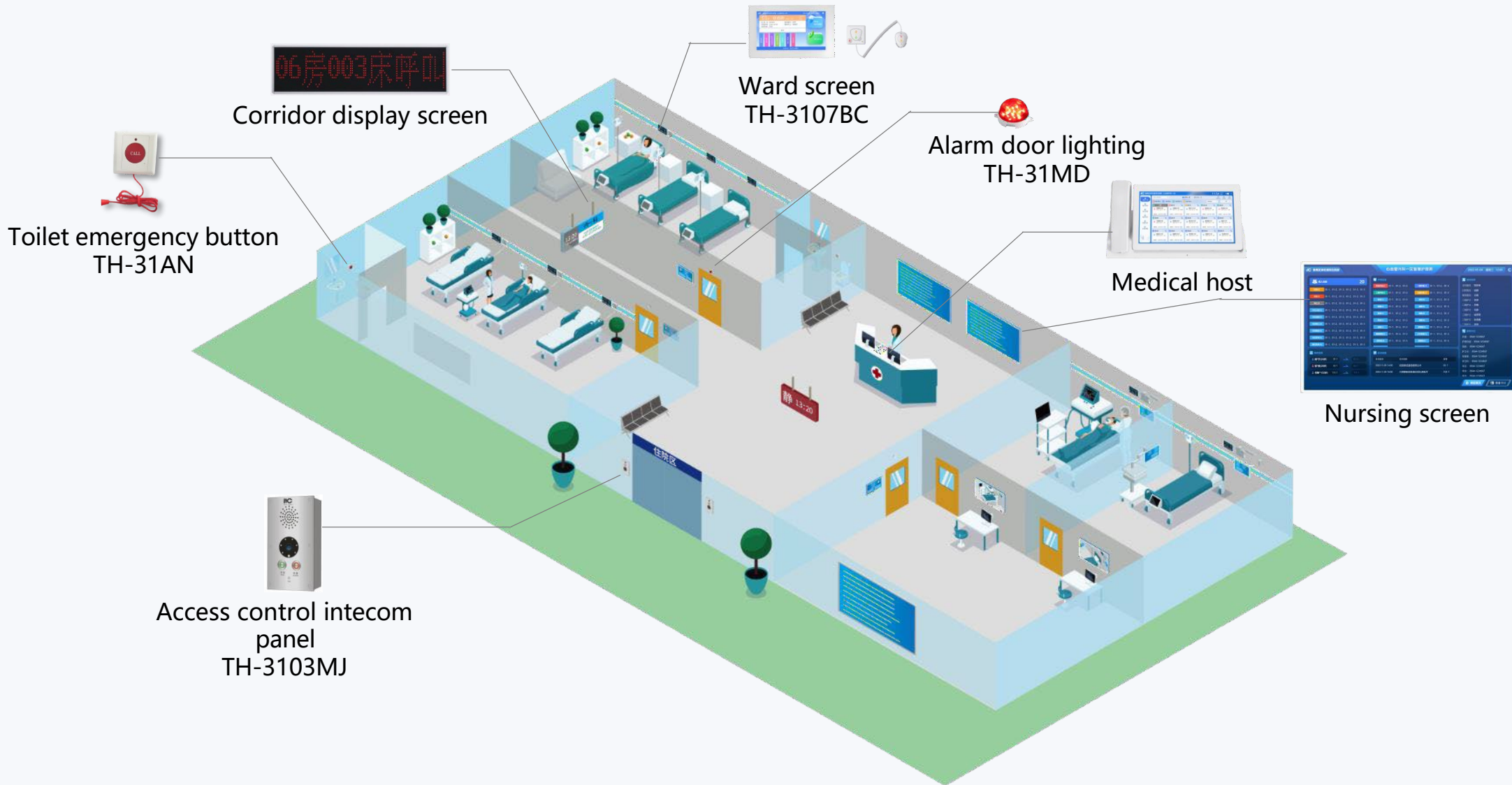


Centralized control



Solve the pain point that managers have to log in to different accounts every time they operate different functions. Managers can flexibly operate the management of the hospital without switching accounts many times.

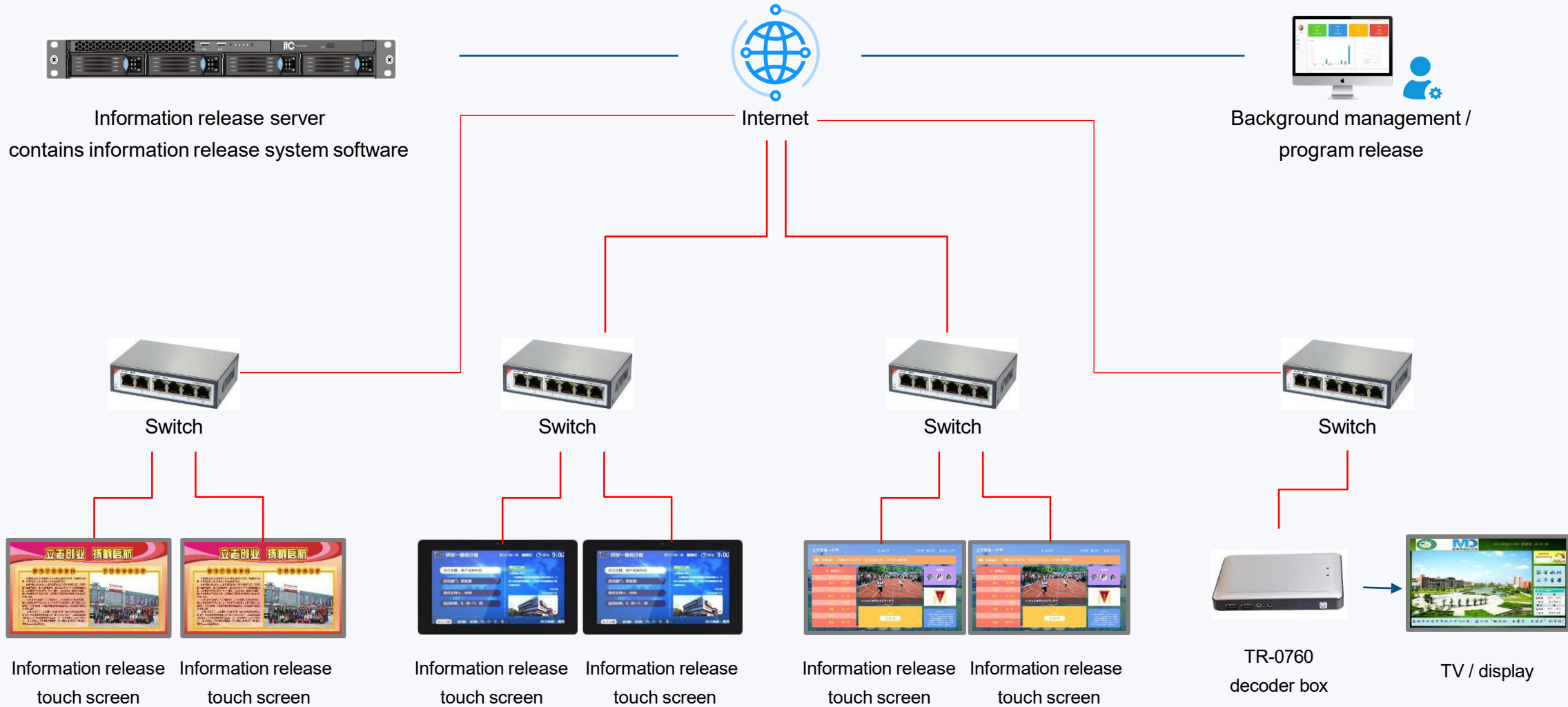
Application scenarios



Smart hospital system

Information release system

System Architecture



System Architecture

Real-time release

Release emergency information in real time, insert media files, and broadcast policies, promotional activities, weather forecasts, etc.

Stable spread

Program custom editing
Effectively ensure the safety of outdoor media communication

HD playback

Support HD playback of various media such as MP4, WMV, RMVB, FLV, AVI, RM, 3GP, MKV, M4V, MOV, etc.

Information Release

Unified management

WAN centralized remote control
No need to manually change the playback

Split screen display

Play combination information of audio, video, picture, and letter at the same time, realize the free adjustment of any position of the video, picture, and subtitles, and the custom template area editing.

Safe and reliable

Efficient and stable embedded design
Plug to play, without virus infection

Main Advantages

Task list

1. Add timing tasks, select execution time and actions
2. Support timing execution of multiple actions: restart, rest the screen
3. Publish timing tasks to multiple devices

信息发布云平台

Cloud

名称 [搜索] [添加]

测试2125

重启 2018-04-22 16:52

发布

删除

任务列表

发布历史

Release history

1. Record historical timing tasks

< 1 2 3 4 5 >

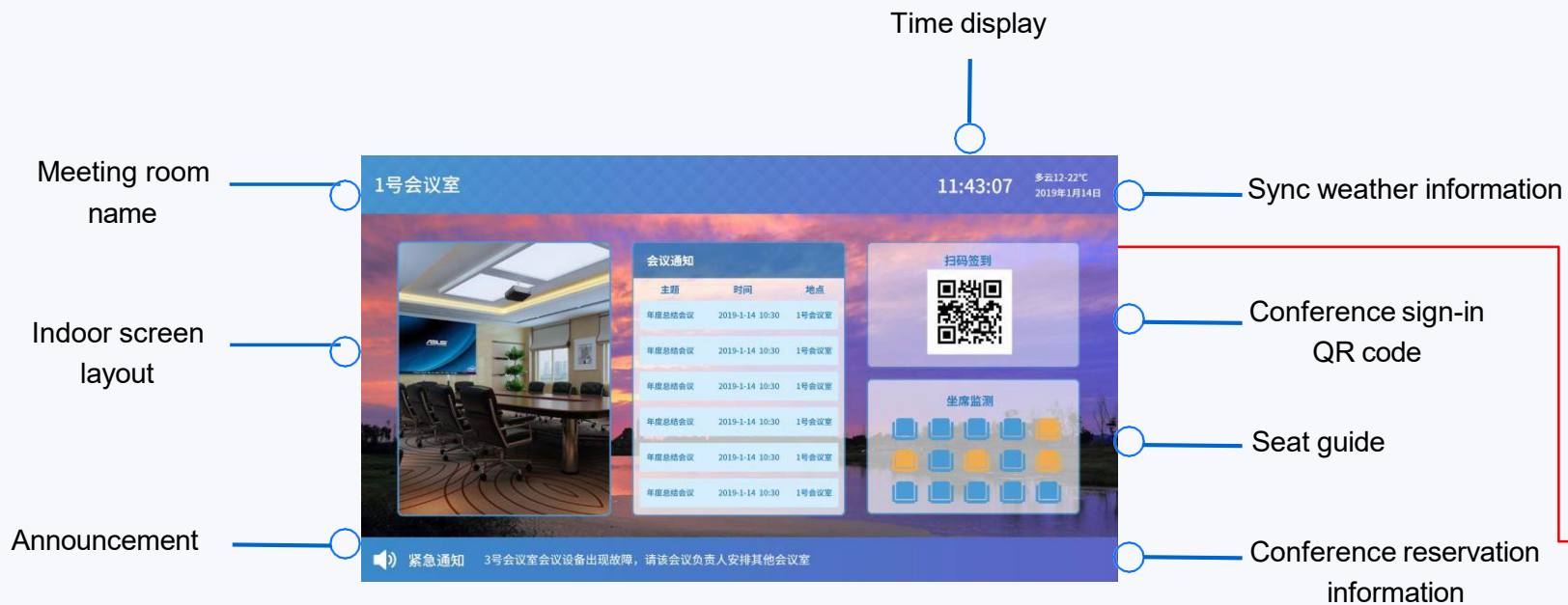
Main Advantages

Terminal name	IP address	Program
Grade 1 Class 1	192.168.1.1	Class information release
Canteen A	192.168.1.2	News and recipes
Conference waiting hall	192.168.1.21	Conference announcement
Conference room	192.168.1.22	Conference announcement



- The system adopts distributed point-to-point information release mechanism. Terminal at each point can play different pictures or unified picture. According to different places, any point can be arbitrarily designated, and the operation is simple.
- Support for grouping and categorizing information publishing terminals, different groups play different content, and terminals in the same group play the same content.

Main Advantages



Conference information is released to door screen

- Door screen can display the usage status of the meeting room in real time, so that the people can know the meeting arrangement at any time.
- Display meeting room pictures, sign-in QR code, and seat guide in real time; banner can be added below to display emergency notification information.

Application scenarios

In information age, banks, hospitals, transportation, shopping malls, schools, stadiums, airports and other fields have an increasing demand for networked information release. Digital multimedia information release system that can provide real-time, centralized control management and automatic broadcast is urgently needed in various industries.



Shopping mall



Transportation



Hospital



Stadium



School



Airport

Smart hospital system

Energy management

Cloud platform



Cloud data center



digital twin

Cloud technology

Cloud storage

Big data

AI algorithm

Space

Environment

Equipment

...

Centralized processing & decision-making

Edge Smart Gateway



Edge Smart Gateway

Edge device management

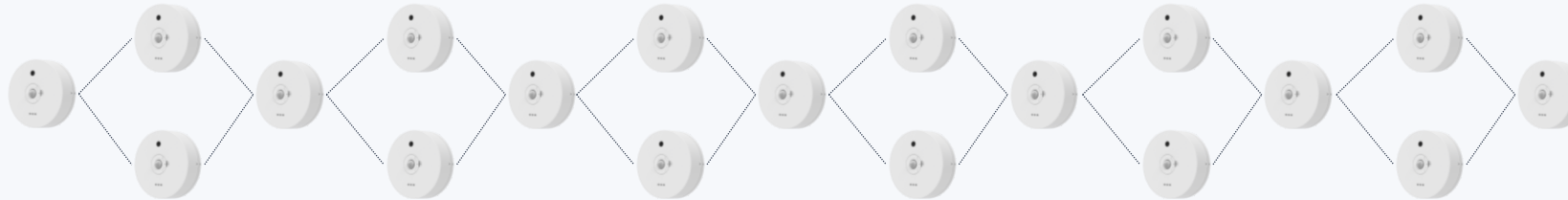
Device management, authentication, access, grouping, command service, OTA

Edge intelligence analysis

Data collection, filtering, analysis, synchronization; rule engine; data forwarding; device linkage

Instruction issuance & data feedback

MESH Internet



Data reporting & device linkage

Perception application

Temperature

Humidity

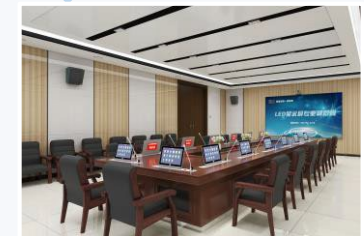
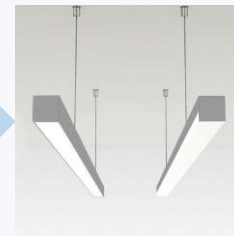
Air pressure

Ambient light

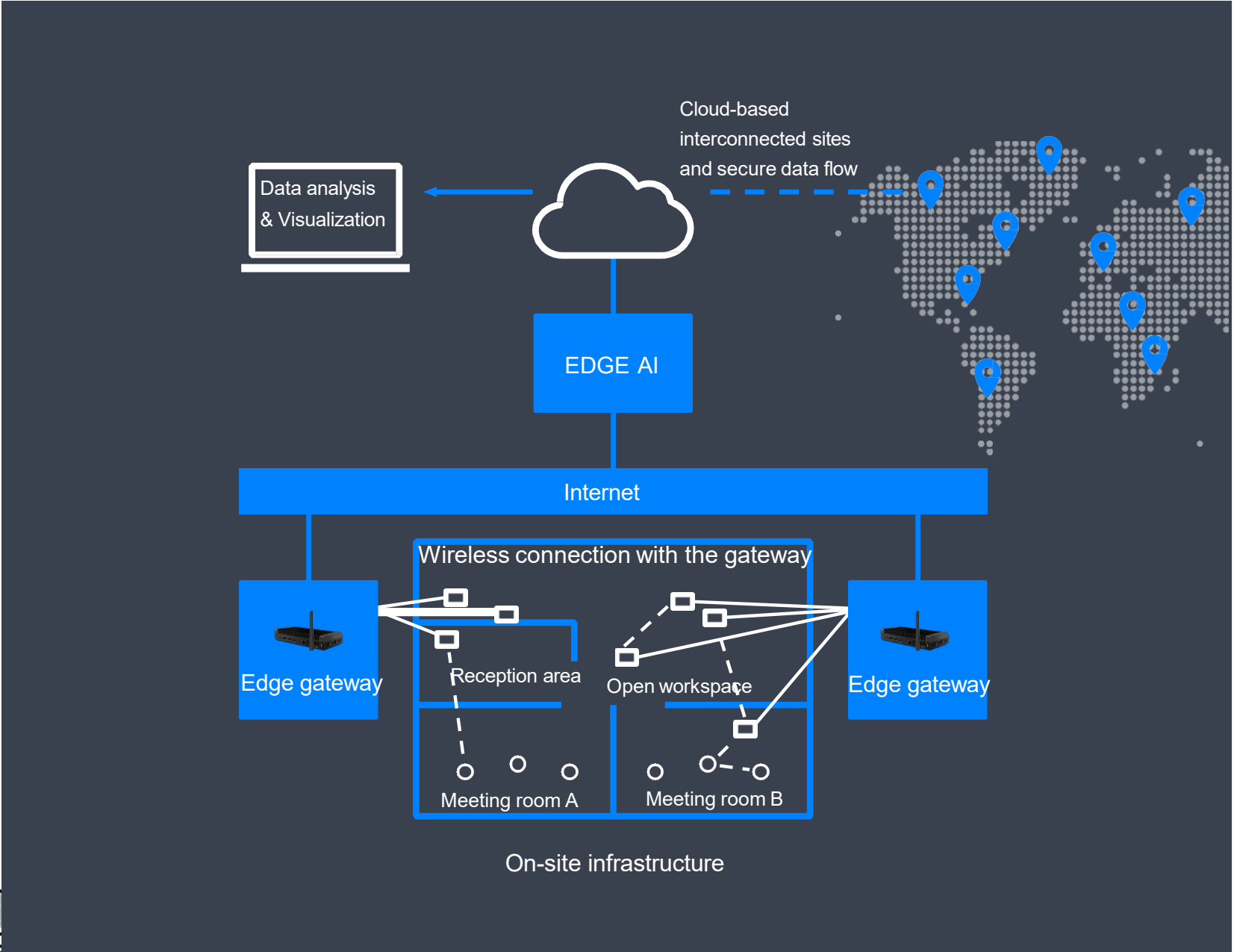
Occupy

Air quality

linkage



System Architecture



Component



Interactive smart sensor



DALI driver/circuit breaker

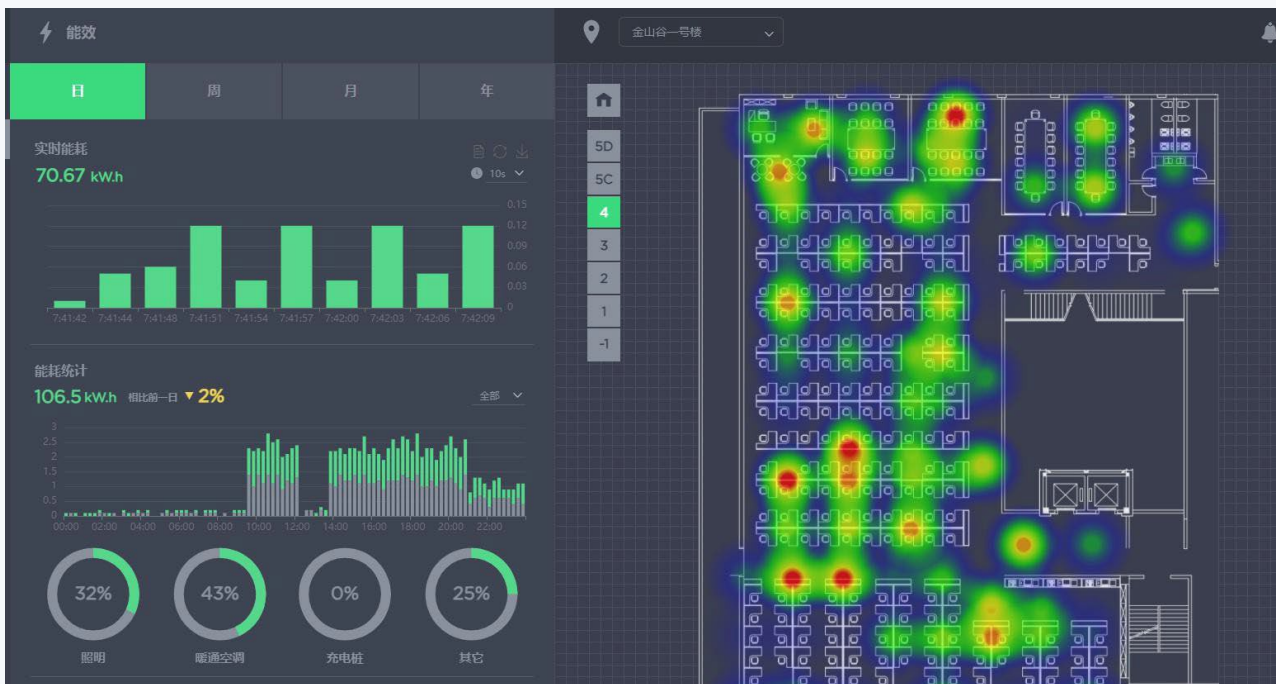


HVAC controller



Edge gateway

Main Advantages



Efficiency

Lighting

HVAC

*Air quality

*Space



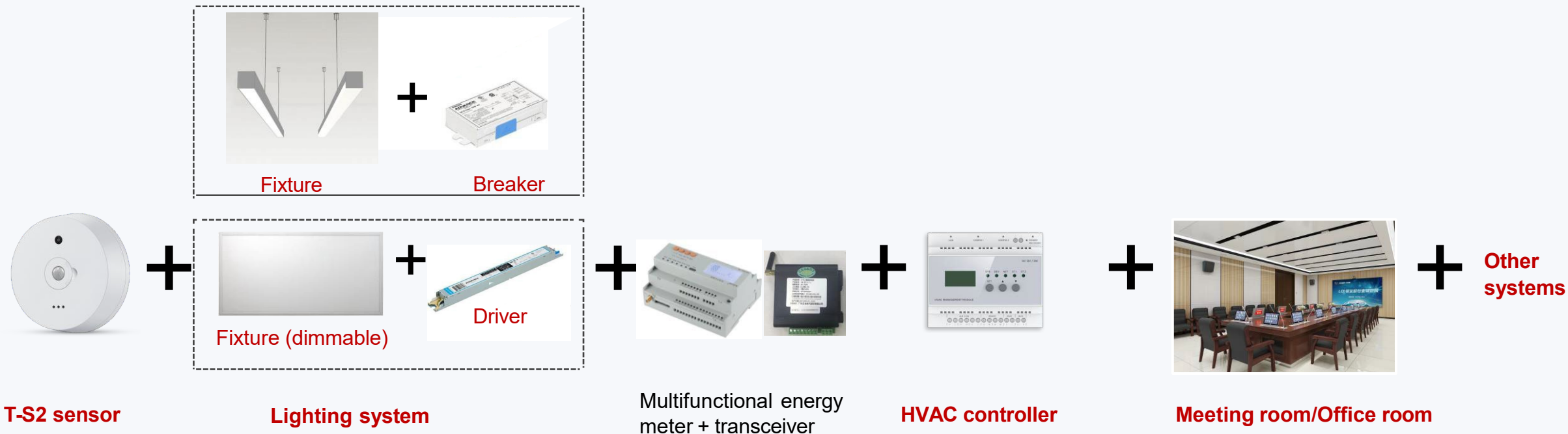
WeChat Applet-Temperature



WeChat Applet-Lighting

Without manual intervention, the system runs smartly.

Main Advantages



Solution 1

Sensor + lighting system + digital meter;
Realize functions such as smart lighting, energy management, AI + smart building, etc.

Solution 2

Sensor + lighting system + digital meter + air conditioner;
Realize smart lighting, energy management, smart air conditioning, air quality optimization, AI + smart building, etc.

Solution 3

Sensor + lighting system + digital meter + air conditioning + meeting room/office management;
Realize smart lighting, energy management, smart air conditioning, air quality optimization, AI + smart building, etc.



Conference system connection

1. After the conference appointment, the cloud conference service will give instructions to the smart building platform to turn on the air conditioning in advance;
2. Participants leave early; after a period of time, the occupancy status of the meeting room is released.
3. Data connection, AI algorithm.

Central control system linkage

1. Detect someone in the meeting room -> Automatically link the devices: turn on the light, switch the video, adjust the camera and adjust the volume to the preset;
2. Detect no one in the meeting room -> Delay control -> Turn off the device;
3. Temperature and humidity sensor data -> central control -> Displayed on the tablet interface
4. Platform data, device status, environmental data

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