



DCS-2043 Dual Chain Backups Conference System

10000N Series Seamless Compatible Wired and Wireless Conference System

◆ Features

- ◆ With wired and wireless seamless compatible technology, wired conference terminals and wireless conference terminals can be mixed into the same conference server for unified management, data intercommunication, and meet the needs of different users
- ◆ Multiple backup mechanisms ensure the safe, stable and reliable operation of the system, and ensure that the meeting goes on smoothly without being interrupted, satisfying the stringent requirements of high-end meetings for equipment
 - Support dual-server hot stand-by function. When the current server doesn't work, it will automatically switch to the stand-by server
 - Support dual-server hot stand-by function of the management software. When the current computer doesn't work, it will automatically switch to the stand-by computer
 - With a dual-chain backup function of the conference terminal. When the main chain fails, it can be switched to the backup chain for continued use (configured with Rectangular Columnar Short Microphone)
 - It supports ring connection. The breakdown of one extension won't influence the other extensions, and the malfunction of one attachment among the extensions won't influence the system to work.
- ◆ Support the application of splitting and merging of the conference room, with 4 channels of audio grouping output, can be split into an independent system using in multiple meeting rooms, or can be used at the same time as the whole system, which is convenient and flexible
- ◆ The wired conference terminal supports star connection, hand-in-hand connection and mixed connection, and all devices are connected by network cables, which is convenient for construction and management
- ◆ The wireless conference terminal supports 2.4G/5.2G/5.8G triple-band communication to ensure system stability
- ◆ With Automatic Speech Recognition System, it can realize the transcription of speech into text by role, and generate meeting minutes, effectively reducing the workload of meeting affairs and improving efficiency



Dual Chain Backups Conference System

Basic Discussion Terminal

DCS-2043C/DCS-2043D



Basic Functions

- ◆ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology
- ◆ Stable and fixed rectangular columnar short microphone stem connected with solid metal base.
- ◆ Conference terminal dual-link backup: With independent microphone digital signal output and analog signal output, when the main link fails, it can be switched to the backup link to ensure the system's normal operation
- ◆ With full digital audio technology, built-in high-speed CPU and high-performance DSP digital audio processor
- ◆ Congress terminal, power HUB and Congress server are all connected by cable. Flexible cabling reduces project workload, makes large-scale construction easier
- ◆ It supports daisy-chain connection, star connection and mixed connection. The system is highly stable and reliable. The break down of one extension won't influence the other extensions, and the malfunction of one attachment among the extensions won't influence the system work
- ◆ The terminal is bottom mounted, which supports hidden or open installation, to make the desktop clearer and tidier
- ◆ Automatic restoration function: supports hot plug
- ◆ Supports 48kHz audio sample freq, acoustic frequency response can be up to 20Hz~20kHz
- ◆ AF sensitivity of each terminal can be adjusted separately or uniformly
- ◆ Built-in high-performance DSP digital audio processor, which helps remove the useless low-frequency and avoids low-frequency acoustical shock, improving the sharpness of sound.
- ◆ Power Status Indicator for terminal
- ◆ The sever comes with built-in OLED panel and navigation button to display speaking mode, system status, terminal setting and management. Language supports Chinese/ English. With rotation knob, the server can manage terminals
- ◆ Physical Mic button utilizes touch design, with concise appearance, convenient operation, accurate response and long service life
- ◆ With headphone jack (Ø 3.5 mm) and adjustable volume(9 levels)
- ◆ Built-in MIC (Ø 3.5 mm) to connect with external MIC, which meets the requirements of different usage scenarios
- ◆ Built-in left and right loudspeakers (2W) and adjustable volume(9 levels). Reasonable tune trope design, output clear and loud sound. Adjusting volume through screen touch is available

Speaker mode: VOX, Auto, FIFO, Operator

- ◆ VOX function: in VOX mode, the unit will be activated when user speaks; VOX sensitivity can be adjust by the server (high, middle, low); microphone time-out is adjustable .
- ◆ The maximum number of terminals that can be turned on simultaneously is 5
- ◆ Attendance registration function: key to register, plug-in card to register(according number),plug-in card to register(non-according number),supplementary register or revocatory register.
- ◆ Optional HD video camera tracking matrix ,switcher or HD camera, can realize HD automatic camera tracking, supporting preset overall view
- ◆ 8×1+3 video matrix is built in the server, and standard definition video conference camera is selected, which can realize automatic camera tracking function of standard definition and support preset overall view
- ◆ Appoint any terminal as the chairman or delegate terminal

The chairman terminal has exclusive functions below:

- ◆ Chairman terminal can be activated at any time
- ◆ Chairman priority button to cut off all active delegate terminals

Discussion and Interpretation Terminal

DCS-2043DI

Basic Functions

Based on functions of DCS-2043D, DCS-2043D unit has functions as below:

- ◆ Language interpretation: 32(1+31) channels
- ◆ Built-in language channel selector (with headphone plugged in)
- ◆ Acoustic frequency response can be up to 20Hz~20kHz



Discussion and Voting Terminal

DCS-2043DV

Basic Functions

Based on functions of DCS-2043D, DCS-2043DV unit has functions as below:

- ◆ Voting: delegate can vote for Yes, No, or Abstain . Vote counting and result display are enabled automatically by PC
 - Single-choice and multiple-choice voting
 - First key-press and final key-press voting
- ◆ Election: elect one or more out of N candidates, with 'competitive election', 'equal number election' and 'quick election'



- ◆ Evaluation: four buttons to evaluate. It comes with four choices "Good", "Fair", "Poor", "Abstain", or the customized evaluation way by software
 - Utilize data encryption and anti-restoration technique to ensure information security
 - Customized voting options and voting methods, support customized language mode or display screen

◆ **Technical Parameters**

Installation	Desktop
Connection Method	Cable
Color	black
Display Parameter	OLED; size: 35mm×18mm
Frequency Range	20Hz~20KHz
Sensitivity	-46 dBV/Pa
VOX Sensitivity	H/M/L (76dB/80dB/82dB)
Equivalent Noise Level	20dBA(SPL)
Max SPL	139dB(THD<3%)
THD	<0.05%
SNR	≥96dB
Headphone/Mic Port	3.5 mm stereo jack×2
Headphone Load	>16Ω
Headphone Volume	10mW
Built-in Loudspeaker	2×2W/8Ω
Channel	32 channels
Dimension (L*W*H)	145mm×170mm×71mm((without Mic stem)
Weight	0.6Kg
Power Supply	24V
Max Power Consumption	7W
Operating Temperature	0~45°C
Storage Temperature	-20~50°C

◆ **Congress Terminal Feature Chart**

Terminal Type	Description	Keypress/Card Registration	Speaking	Voting	Simultaneous Interpretation	Language	OLED screen	Installation
DCS-2043C	Chairman	√	√			Chinese/English	√	Desktop
DCS-2043D	Delegate	√	√			Chinese/English	√	Desktop
DCS-2043DV	Delegate	√	√	√		Chinese/English	√	Desktop
DCS-2043DI	Delegate	√	√		√	Chinese/English	√	Desktop
DCS-2043CF	Chairman	√	√	√	√	Chinese/English	√	Desktop
DCS-2043DF	Delegate	√	√	√	√	Chinese/English	√	Desktop

Congress Server

GONSIN1000N



Basic Functions

- ◆ Black tempered glass panel design, with navigation knob, OLED screen to display system status information, and provide Chinese/English and other language menus
- ◆ With wired and wireless seamless compatible technology, wired conference terminals and wireless conference terminals can be mixed into the same conference server for unified management, data intercommunication, and realizing large system platform for sharing multi-mode conference terminals
- ◆ Maximally support 128 wireless APs to achieve greater wireless coverage area and terminal seamless roaming
- ◆ Developed based on LINUX operating system platform, adopt full digital audio technology, support 48kHz audio sampling frequency, built-in DSP digital audio processor, support treble and bass adjustment
- ◆ Adopt WiFi wireless communication technology, in compliance with IEEE 802.11n network standard, adopt 128-bit AES encryption technology, support WEP/WPA/WPA2 wireless security technology, avoid eavesdropping and malicious interference
- ◆ Support SSID wireless network settings, which ensures multiple systems can be used in the same environment at the same time, and do not interfere with each other
- ◆ Each terminal has unique unit ID; the congress system can assign unit ID to congress terminal automatically or manually
- ◆ It provides 4-channel wired conference terminal interface and supports hand-in-hand connection, star connection and mixed connection. The breakdown of one terminal won't influence the other terminals, and the malfunction of one terminal cabling will not affect the whole system, ensuring the system stability
- ◆ Support dual-server hot stand-by function. When the current server doesn't work, it will automatically switch to the stand-by server
- ◆ Support the application of splitting and merging of the conference room, with 4 channels of audio grouping output, can be split into an independent system using in multiple meeting rooms, or can be used at the same time as the whole system, which is convenient and flexible
- ◆ Support separated adjustment of audio and sensitivity of the terminal; adjust the sound effect based on the on-site speaking situation
- ◆ A single server supports the maximum number of active terminals: 4 terminals for a single wireless system, 5 terminals for a single wired system, and 5 terminals for mixed use of wireless and wired systems

- ◆ Discussion function: support VOX, Auto, FIFO, Operator, Request and PTT
 - ◆ VOX function: in VOX mode, the unit will be activated for user speaks; VOX sensitivity can be adjust by the server; microphone time-out is adjustable
 - ◆ Auto function: Only the number of microphones limited by the system can be activated. When the number of open microphones is greater than the system limit, press the speaking button, the microphone cannot be turned on, you need to turn off the microphones that have been turned on, and then the microphone can be turned on by pressing the button.
 - ◆ FIFO function: When the number of open microphones is greater than the system limit, press the speak button to turn on and automatically turn off the earliest open microphone
 - ◆ Operator function: When the number of open microphones is greater than the limit, press the speak button to enter the application waiting state. After the opened microphones are closed, the applied microphones will be opened automatically
 - ◆ Request function: In Request, press the speak button and the microphone turns on and release the speech button and the microphone will be turned off
 - ◆ PTT function: the delegate send request-to-speak by terminal, and can speak upon chairman approval. The chairman terminal can be activated anytime without approval
- ◆ With Automatic Speech Recognition System, it can realize the transcription of speech into text
- ◆ Support USB automatic recording function, after inserting the U disk in the front panel, the system audio can be recorded automatically/manually, and the current recording status can be displayed in real time
- ◆ Built-in real-time clock and perpetual calendar, which can display the current time on the congress server and congress terminal
- ◆ Support one-key shutdown by server, and all wireless congress terminals are off, which reduces workload greatly
- ◆ With full digital interpreter console, it can achieve 6-channel (wireless terminal) or 32-channel (wired terminal) simultaneous interpretation function (including the floor channel), and the audio frequency response of the simultaneous interpretation channel can reach 20Hz~20kHz
- ◆ Optional HD video camera tracking matrix, switcher or HD camera, HD automatic camera tracking with preset panoramic view can be realized. It supports up to 8 HD cameras and multi system cascading to meet the camera tracking requirements of large systems and conference venues
- ◆ The server supports the infrared mobile camera tracking function. It needs to be equipped with an infrared automatic tracking camera and a conference terminal (specified model) to realize the intelligent tracking and positioning of the wireless conference terminal. The wireless microphone terminal can be moved freely within the infrared detection range, and can be tracked in real time without resetting the preset position
- ◆ The advanced TCP / IP connection control mode is adopted between the congress server and the control computer, which can realize the control management, remote diagnosis and remote upgrade of the congress system

Extended functions with PC/software control:

- ◆ Can realize conference registration, voting, different voting agenda , and compatible use with GONSIN paperless conference system
- ◆ Operator can click terminal icons for terminal management such as approve or reject the delegate to speak
- ◆ Speaking time limit can be set, the active terminal will be turned off when the speaking time limit reaches
- ◆ It can monitor the system running status in real time, failure alerts will be prompted out immediately, so to ensure important meeting for smooth running
- ◆ It can realize dual software hot stand-by function. One control computer can be set to the backup mode and connected to the system. In case of the malfunction of the current control computer, the backup computer can be hosted automatically, so to ensure the smooth progress of the conference without interruption

◆ Technical Specifications

System capacity	65025
Audio frequency response	20Hz ~ 20kHz
Signal-to-noise ratio	>96dBA
Channel isolation	>85dB
Dynamic Range	>94dB
Total harmonic distortion	<0.05%
Audio interface	1 balanced audio input (XLR), 1 balanced audio output (XLR), 2 unbalanced audio output (RCA), 4-channel grouped audio output (Phoenix)
Maximum audio output	LINE OUT: +20 dBu unbalanced, BLANCE OUT: +20 dBu balanced MIXER OUT: +20 dBu balanced, AUDIO OUT 1 ~ 4: +20 dBu balanced
Output impedance	>1kΩ
Central control method	RS-232
PC communication method	TCP/IP
Camera control method	RS-485
Wired congress terminal interface	RJ45×4, adopt own power supply protocol
Network Interface	RJ45×2, support standard POE power supply
Recording interface	USB (U disk format: FAT32)
Recording file size	0.8M/min
Supported cameras	8 (SD)
Video input interface	RCA×8(1Vp-p 75Ω) or SDI×4 (SD/HD/3G)
Video output interface	RCA×4(1Vp-p 75Ω) or SDI×1 (SD/HD/3G)
Camera Tracking Protocol	PELCO-P/PELCO-D/VISCA
Display	OLED (61mm×37mm)
Installation	Desktop or 19' cabinet installation
Power Supply	AC100 ~ 240V, 50/60Hz
Maximum power consumption	300W
Dimensions (L×W×H)	483×437×90mm
Weight	8.9kg
Operating temperature	-0~45°C
Storage temperature	-20~50°C



Power Hub HUB-P150S



Basic functions

- ◆ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology
- ◆ Based on digital control framework and high-speed CPU, the system has more stable performance and higher processing speed
- ◆ Developed on Linux-based OS platform, the server has robust stability and thus applies to large-sized convention centers with strict running conditions
- ◆ Power Status Indicator, support detection for voltage, current, temperature, overload, overheat
- ◆ Distributed management function, controlled by the server automatically, the operation data is uploaded by network
- ◆ Adopt distributed power supply management, single power HUB can connect to up to 65 terminals (turn off built-in speaker) or 5 desktop paperless all-in-one terminals (according to terminal model and the length of cable); it can form a super-large system with 65,025 terminals, by adding power hubs and servers. Power HUB are controlled and managed by the server
- ◆ All the equipment are connected by cable. Flexible cabling reduces project workload, makes large-scale construction easier.
- ◆ It supports daisy-chain connection, star connection and mixed connection. The system is highly stable and reliable. The break down of one extension won't influence the other extensions, and the malfunction of one attachment among the extensions won't influence the system work.
- ◆ Automatic restoration function: supports hot plug.
- ◆ The serial-number is one and only, the congress system supports automatically or manually assign ID to the corresponding equipment.
- ◆ Built-in congress terminal auto-detect mechanism
- ◆ Real-time monitor for system operation, to find out system error in time
- ◆ Co-work with congress server to expand congress terminal connection and designed to meet the power requirement for larger congress system.
- ◆ 5 terminal connection ports and 2 extended connection ports for HUB
- ◆ Synchronously start up and shut down with server
- ◆ More functions when cooperates with system control software

Technical Parameters

System Capacity	65,025
Standard Capacity	65 Terminals(turn off built-in speaker)/25 Terminals(turn on built-in speaker)/5 Desktop Paperless All-in-one Terminals
Status Indication	LED
Power	AC 100~240V,50/60Hz
Max Power Consumption	150W
Terminal Connection Port	RJ45×7
Operating Temperature	0~45°C
Storage Temperature	-20~50°C
Dimensions(L×W×H)	238mm×165mm×45mm
Installation	Hidden installation or cabinet installation, support 2 HUB side by side cabinet installation
Weight	2kg

◆ Power Hub cabinet installation accessories

GX-HUB02



◆ Technical Specifications

Dimensions (L×W×H)

483×40×4mm

◆ HD Dome Camera

GX-HD3330



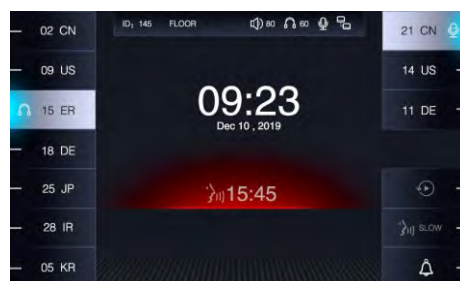
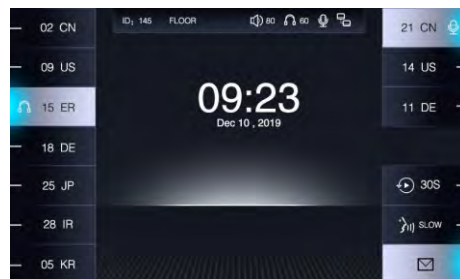
◆ Basic Functions

- ◆ With infrared mobile camera tracking function (need to match the conference terminal of the specified model), it can realize the intelligent tracking and positioning of the terminal. The terminal can move freely within the infrared detection range, and it can track in real time without resetting the preset position
- ◆ Support automatic tracking switching of multiple camera domes, support up to 8 camera domes, and support multi-camera cascade control
- ◆ Adopt infrared anti-jamming algorithm, stable and reliable. Be fearless of visible light and infrared light (sunshine, light, whiteboard and etc.)
- ◆ Accurate positioning and stable tracking. The tracking picture can be automatically zoomed according to the distance of the target, always keeping the best size
- ◆ The tracking effect is not affected by the size and shape of the meeting room
- ◆ Switching codes such as target occurrence and loss can be arbitrarily customized through the parameter setting interface, and can be flexibly compatible with other conference equipment
- ◆ Support high-definition video H.264 encoding output, output full HD video up to 1080P60, support main and auxiliary dual stream
- ◆ Multi-Format Video Outputs: support SDI, DVI-D, NETWORK, and USD 3.0 video output interface.
- ◆ Maximum tracking distance can reach 18 meters

Technical Specifications

Sensor	1/2.8 inches CMOS, 2.14 million sensor
focal distance	3.9mm~46.8mm
AV	F1.~F2.8
optical zoom	12 times
digital zoom	12 times
View Angle	72.5°~6.3°
Focus System	Auto / Manual/ PTZ/ One Push
Minimum Illumination	0.5 Lux (colors), 0.1Lux (black and white)
Shutter Speed	1/1 - 1/10,000 second
Tune-up	Auto/Manual
White Balance	Auto / Indoor / Outdoor/ One Push Auto / Manual tracking
Exposure Control	Auto / Manual/Shutter Priority/Aperture Priority
SNR	≥50dB
Language	ENGLISH
Pan Rotation	-170°~+170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1°~120°/s
Tilt Control Speed	0.1°~90°/s
Preset Number	256
Pan-tilt control interfaces	RS-232/RS-485/USB3.0
Network interface	100M self-adapted to Ethernet interface(RJ45)
Network protocol	PELCO-D, VISCA, UVC1.1
Video interface	3G-SDI, DVI-D, USB3.0
Video format	1080P60/1080P50/1080P30
	1080P25/1080I60/1080I50
	720P60/720P50
Resolution ratio	MAX 1920×1080@60fps
Video compression	H.264
Audio compression	AAC
Network protocol	ONVIF/RTSP/HTTP/TCP UDP/RTMP
Video Preview Number	MAX 10, at the same time
Dual-stream	YES
Power	DC12V
Consumption	<30W
Operating Temperature	0~40°C
Storage Consumption	-20~60°C
Dimensions (L×W×H)	243mm×145mm×163mm
Color	Grey

◆ Interpreter Console IC-2032N



◆ Basic Functions

- ◆ In compliance with IEC60914 international standard
- ◆ The design of physical buttons / knobs is reasonable , which is easy to operate; The buttons / knobs are sensitive with good touch, accurate operation response, long service life and without mechanical button sound
- ◆ With fully digital audio technology, built-in high-speed CPU
- ◆ Interpreter console, conference terminal, power HUB and conference server are all connected by network cables. Flexible cabling reduces project workload and makes large-scale construction projects easier
- ◆ It supports hand-in-hand connection, star connection and mixed connection. The system is highly stable and reliable. The breakdown of one terminal won't influence the other terminals , and the malfunction of one terminal cabling will not affect the whole system, ensuring the system stability
- ◆ Automatic restoration function: supports hot plug
- ◆ Supports 48kHz audio sampling freq, acoustic frequency response can be up to 20Hz to 20kHz
- ◆ Built-in high-performance digital audio processor(DSP), helpful to remove the useless low frequency and avoid low-frequency acoustical shock, which is better to improve the clarity of sound
- ◆ Support 32 channels simultaneous interpretation(including the floor channel)
- ◆ Support direct interpretation and relay interpretation
- ◆ 7-inch TFT LCD screen to display setting information ,input and output channel information
- ◆ With channel selection button, long press to quickly increase / decrease the channel, short press to increase / decrease the channel, convenient to select channels
- ◆ 7 input channels can be preset, with corresponding shortcut keys and input channel occupation indicator
- ◆ 3 output channels can be preset , with corresponding shortcut keys. When all interpreter consoles are closed, the output channel can be automatically switched to the floor channel
- ◆ Standard cardioid directional electret microphone with indicator ring (On or Off) . Multiple soft gooseneck microphone stems can be selected (standard: 410mm, optional:310mm/510mm)
- ◆ Pluggable microphone stem; During the meeting recess, it can be disassembled for equipment maintenance
- ◆ Built-in 2W loudspeaker with volume switch; Can play the floor channel or interpreted channel language
- ◆ With the same channel interlock function, when the output channel is preset, the occupied channel will skip

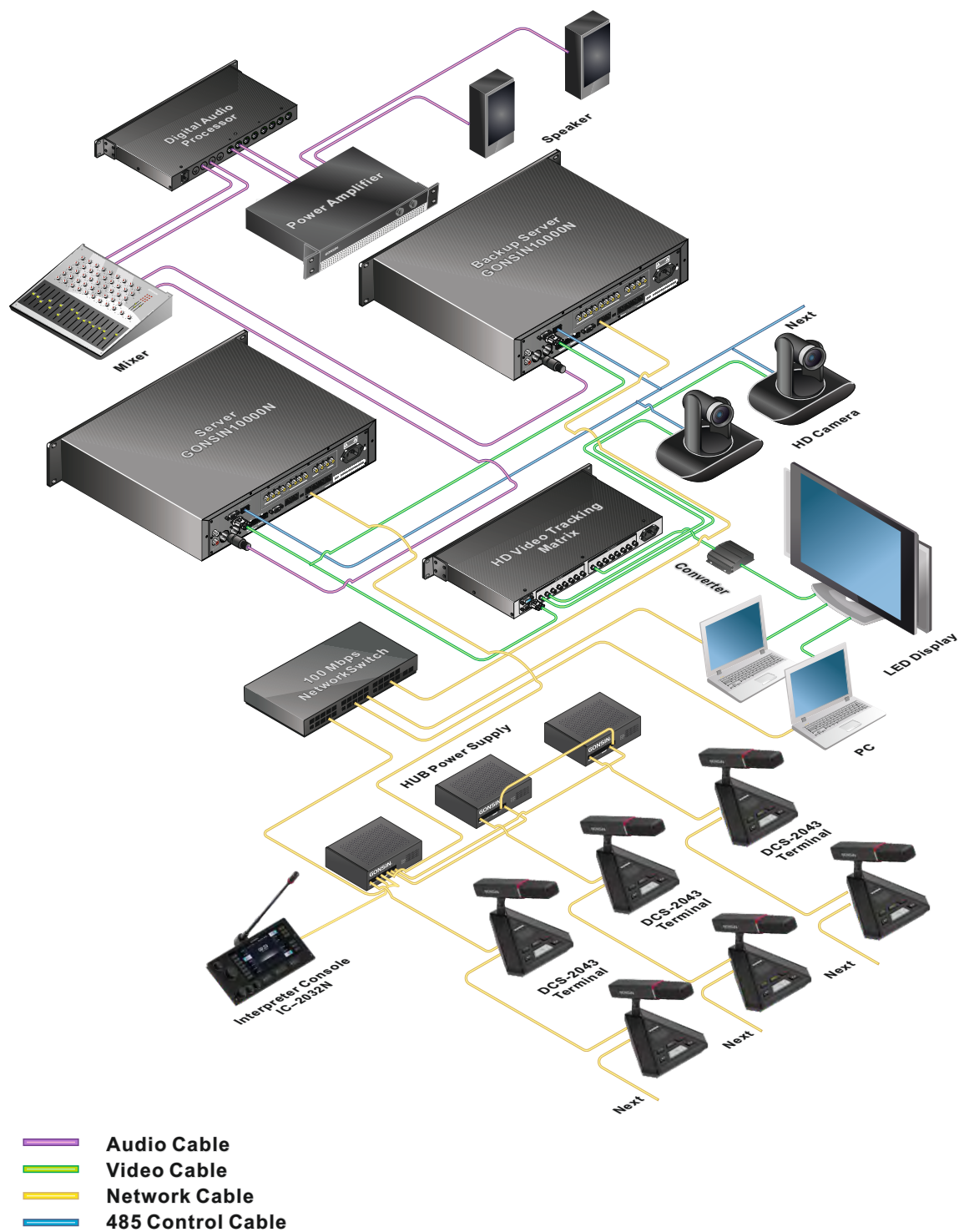
automatically. Channel output can be set to interlock mode and free mode

- ◆ The number of interpreter console in the same room is not limited
- ◆ Through software setting, multiple interpreter consoles can be set up in a single language channel. When the interpreter console in the same language channel turns on the microphone, the microphone of the previous interpreter terminal will be automatically turned off
- ◆ MUTE key to enable a brief muting of the microphone for cough cut
- ◆ Speaking Speed remind function, the interpreter can press the "slow" key to remind the speaker to slow down the speaking speed (The microphone's indicator ring or screen will flash)
- ◆ Left and right headphone output jack (3.5 mm×2), connect the headset to listen to the floor or interpreted channel language, with left and right selection buttons; headphone volume is adjustable
- ◆ Left and right microphone input jack (3.5 mm×2), can be connected to external microphone, with left and right selection buttons, to meet different usage scenarios
- ◆ Left and right recording output jack (3.5 mm×2), can be connected to recording device, with left and right selection buttons, the output audio depends on the channel listened by the interpreter console
- ◆ With message function, text message can be sent to interpreter terminal through management software
- ◆ With call service function, interpreters can call the administrator to provide help through the interpreter console
- ◆ Setting the interpreter console information can be locked by password, and the interpreter can use the setting function through password and IC card
- ◆ No need independent system connection, it can be mixed connected with all conference terminals
- ◆ Highly resistant to mobile phone interference
- ◆ Every interpreter comes with an unique serial number and the conference system supports automatically or manually assigning ID to the corresponding equipment
- ◆ Interpretation timing function (timing unit: hour/minute)

◆ Technical Specifications

Installation Way	Desktop
Connection Way	Network Cable
Display Specifications	7-inch TFT color display
Frequency Range	20Hz~20kHz
Sensitivity	-46 dBV/Pa
Equivalent Noise Level	20dBA(SPL)
Max. SPL	125dB(THD<3%)
THD	<0.05%
SNR	≥96dB
Microphone Type	Cardioid directional electret
Directivity	0°/180°: >20 dB (1 kHz)
MIC Stem Length	410mm (standard); 310mm/510mm (optional)
Input Impedance	2KΩ
Headphone Output Jack	3.5 mm jack×2
Microphone Input Jack	3.5 mm jack×2
Headphone Load	>16Ω
Headphone Volume	10mW
Built-in Loudspeaker	2W/8Ω
Channel Number	32 channel (including the floor channel)
Power supply	24V
Max. Power Consumption	7W
Working Temperature	0~45°C
Storage Temperature	-20~50°C

System Configuration



IC Card Encoder SRD-U100

Support read out and write down information, reset password

Speed	<0.2s
Interface	USB
Installation	Flush-mounting



IC Card BL7442

Each card has a unique 32-bit serial number and independent password and access control. Users can set different password with software, one card for appointed conference. Data can be preserved up to 10 years and a card can be rewritten up to 100 thousand times with unlimited reading times.

Dimensions (LxWxD)	85.6x53.98x0.8mm
Operating temperature	-20°C~85°C



Stereo Headphone TC-D3

Color	Black
Type	Stereo headphone
Interface	3.5mm
Impedance	32Ω±15%
Frequency reponse range	20-20KHz
Voltage	0.8V
Input power	30-50mW
Distortion rate	<5%



Interpreter Headset TC-D4

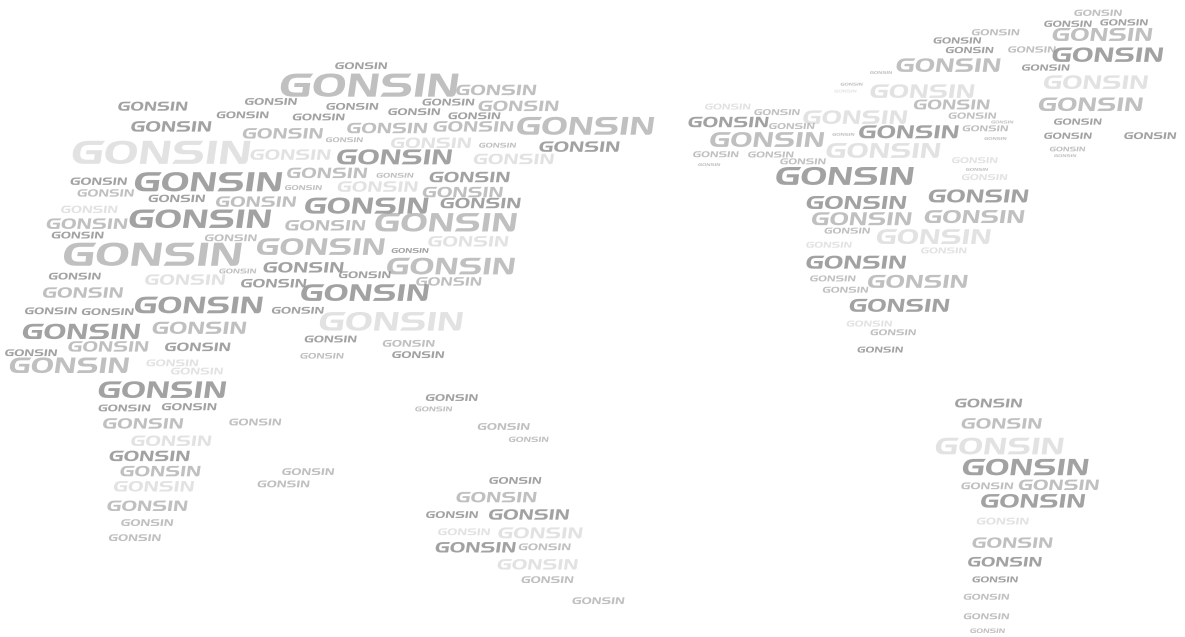
Color	Black
Type	Stereo headset
Interface	3.5mm
Impedance	32Ω±15%
Frequency reponse range	20 - 20000Hz
Voltage	0.8V
Input power	30-50mW
Distortion rate	<1%



Cable RJ45-0.3m/2m/5m/10m

Type	Straight-through Cable
Length	0.3m/2m/5m/10m
Jack	RJ-45 Metal Shielded Registered Jack





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English WeChat



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