GONSIN

DCS-2057 Flush-Mounting Backup 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

Flush-Mounting backup conference system

Discussion Terminal + Voting Terminal

Discussion Terminal + Interpretation Terminal

Discussion Terminal +
Voting and Interpretation Terminal

Discussion Terminal + Voting Terminal+
Interpretation Terminal

**The part of combinations of the flush-mounting terminals;
They can be combined freely according to the needs of customers**

◆ Basic Discussion Terminal DCS-Q2057

DCS-Q2057C
Basic Discussion Terminal
(chairman)

DCS-Q2057D
Basic Discussion Terminal
(delegate)

◆ Basic Functions

- ♦ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology
- ♦ The exquisite full-metal panel design is suitable for flush mounting installation
- ♦ Support panel size customization
- ♦ Three-color LED to indicate the unit status (on or off)
- ♦ Physical Mic button utilizes touch design, with concise appearance, convenient operation, accurate response and long service life
- ♦ 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
- ♦ Automatic restoration function: supports hot plug
- ♦ Supports 48kHz audio sample freq, acoustic frequency response can up to 20Hz~20kHz
- ♦ AF sensitivity of each terminal can be adjusted separately or uniformly
- ♦ Built-in high-performance DSP digital audio processor, helps remove the useless low-frequency and avoid low-frequency acoustical shock, which better improve the sharpness of sound
- ♦ Standard electret cardioid pickup pattern microphone with lamp bezel (On or Off) , rich timbre.Several kinds of soft gooseneck microphone stems for various conferences (standard: 410mm, optional: 310mm/510mm)
- ♦ Pluggable gooseneck microphone stem, convenient for equipment maintenance.
- ♦ Highly resistant to mobile phone interference
- ♦ Loud speaker: VOX, Auto, FIFO, Operator
- ♦ VOX function: in VOX mode, the unit will be activated for 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
- ♦ 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
- ♦ The serial-number is one and only, the congress system supports automatically or manually assign ID to the corresponding equipment

♦ Attendance registration function: key to register, supplementary register or revocatory register
♦ Be able to connect with simultaneous interpretation terminal/voting terminal/voting and interpretation terminal, to extend the conference function
♦ Appoint any terminal as the chairman or delegate terminal

The chairman terminal has functions below, besides all functions of delegate terminal:
♦ Chairman terminal can be activated at any time without presetting mic limit
♦ Chairman priority button to override all active delegate terminals
♦ In the system, the number of chairman and delegate terminals is not limited

◆ Basic Discussion Delegate Terminal(Hand-held)
DCS-2057D

◆ Basic Functions

♦ In compliance with IEC 60914 international standard
♦ Support to connect to other 10000N products, together composing multiple big systems with different terminals
♦ Hand-held design with full-metal microphone suits for flush mounting installation
♦ With spring line, convenient for extension and storage
♦ Transparent silicone button with status indicator, responds accurately and has long service life
♦ Full digital audio technology provides CD-level sound track quality
♦ Equipment like congress terminal, power HUB and conference server is connected by cable, convenient for construction
♦ Support daisy-chain connection, star connection and mixed connection; break down of one extension won't influence other extensions, and the mal-function of one attachment among the extensions won't influence the system work, securing stable work of the system
♦ Auto restoration function: support hot plug
♦ Support 48kHz audio sampling frequency; acoustic frequency response up to 20Hz~20kHz
♦ Support separated adjustment of audio and sensitivity of the terminal; adjust the sound effect based on the on-site speaking situation
♦ Build-in high performance DSP digital audio processor can eliminate invalid low-frequency components, improving the sound quality
♦ Highly resistant to mobile phone interference
♦ With one and only serial-number, the congress system supports to automatically or manually assign ID to the corresponding equipment
♦ Speaking mode: VOX, Auto, FIFO, Operator
♦ In VOX mode, the microphone will be activated as users speak. VOX sensitivity (high/middle/low) and mic time-out is adjustable
♦ 5 delegate units can be activated at the same time(one chairman unit and 4 delegate units)
♦ Attendance registration: key to register, 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

Be able to connect with interpretation/voting/interpretation & voting terminal, carrying out extended conference function

♦ Random delegate unit can be set as vice-chairman terminal; no limit on the number of vice-chairman terminal

Besides functions of delegate unit, the vice-chairman unit has functions as follows:

♦ Vice-chairman unit can be activated at any time without presetting MIC limit

32-Channel Terminal DCS-Q2057SI

Basic functions

♦ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology

♦ The exquisite full-metal panel design is suitable for flush mounting installation

♦ Two digit LED display Channel number and volume

♦ Physical Mic button utilizes touch design, with concise appearance, convenient operation, accurate response and long service life

♦ 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

♦ Automatic restoration function: supports hot plug

♦ Highly resistant to mobile phone interference

♦ The serial-number is one and only, the congress system supports automatically or manually assign ID to the corresponding equipment

♦ Be able to connect with basic discussion terminal/voting terminal, to extend the conference function

♦ Support 32 (1+31) channels simultaneous interpretation

♦ Built-in language channel selector and adjustable volume(9 levels), press button to change channel and adjust volume

♦ Acoustic frequency response can up to 20Hz~20kHz

Dual 32-Channel Terminal

DCS-Q2057DI

Basic functions

♦ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology

♦ The exquisite full-metal panel design is suitable for flush mounting installation

♦ Two digit LED display Channel number and volume

♦ Two independent LED to indicate the unit status (on or off)

♦ Support two delegates use interpretation functions independently, volume and interpretation channel could be adjusted respectively

♦ Three-color LED to indicate the unit status (on or off)

♦ Physical Mic button utilizes touch design, with concise appearance, convenient operation, accurate response and long service life

♦ 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.

♦ Automatic restoration function: supports hot plug

♦ Highly resistant to mobile phone interference

♦ The serial-number is one and only, the congress system supports automatically or manually assign ID to the corresponding equipment

♦ Be able to connect with basic discussion terminal/voting terminal, to extend the conference function

♦ Support 32 (1+31) channels simultaneous interpretation

♦ Built-in language channel selector and adjustable volume(9 levels), press button to change channel and adjust volume

♦ Acoustic frequency response can up to 20Hz~20kHz

◆ Voting Terminal

DCS-Q2057V

◆ Basic functions

- ♦ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology

- ♦ The exquisite full-metal panel design is suitable for flush mounting installation

- ♦ Three-color LED to indicate the unit status (on or off)

- ♦ Physical Mic button utilizes touch design, with concise appearance, convenient operation, accurate response and long service life

- ♦ 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

- ♦ 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

- ♦ Attendance registration function: key to register, supplementary register or revocatory register.

- ♦ Voting: delegate can vote for Yes, No, 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

- ♦ Be able to connect with basic discussion terminal/interpretation terminal, to extend the conference function

◈ Voting and Interpretation Terminal
DCS-Q2057VI

◈ Basic functions

♦ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology

♦ The exquisite full-metal panel design is suitable for flush mounting installation

♦ Two digit LED display Channel number and volume

♦ Two independent LED to indicate the unit status (on or off)

♦ Physical Mic button utilizes touch design, with concise appearance, convenient operation, accurate response and long service life

♦ 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.

♦ Automatic restoration function: supports hot plug

♦ Highly resistant to mobile phone interference

♦ The serial-number is one and only, the congress system supports automatically or manually assign ID to the corresponding equipment

♦ Attendance registration function: key to register, supplementary register or revocatory register.

♦ Voting: delegate can vote for Yes, No, 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

♦ Support 32 (1+31) channels simultaneous interpretation

♦ Built-in language channel selector and adjustable volume (9 levels) , press button to change channel and adjust volume

♦ Acoustic frequency response can up to 20Hz~20kHz

♦ Be able to connect with basic discussion terminal, to extend the conference function
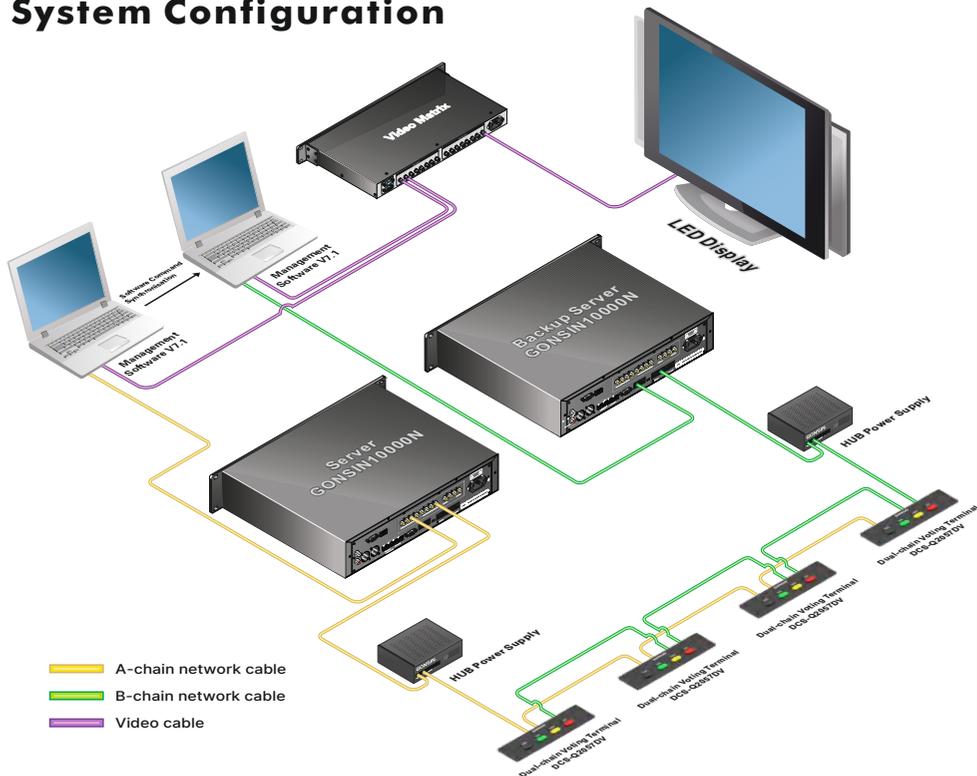
GONSIN®

◆ Dual-chain Voting Terminal
DCS-Q2057DV

GONSIN is committed to creating high-end and high-quality conferences, focusing on the stability of the conference system. The dual-chain voting terminal adopts multiple backup mechanisms to ensure the safe, stable and reliable operation of the system, ensure smooth and uninterrupted meetings.

♦ The conference terminal has a dual-chain backup function. When the main chain fails, it can switch to the backup chain to continue to use

♦ The voting terminal has two built-in processing cores, double data processing and transmission, and two sets of system software work at the same time, which can realize seamless backup

♦ Two sets of voting software work at the same time, and output signals to the large screen of the venue through the video matrix equipment; when one of the voting systems fails unexpectedly, it can quickly switch to the signal output of the other system to achieve seamless backup

◆ System Configuration

- A-chain network cable
- B-chain network cable
- Video cable

◆ Basic functions

♦ In compliance with IEC60914 international standard

♦ The exquisite full-metal panel design is suitable for flush mounting installation, support panel size customization, LED lights with working status indication

♦ Physical Mic button utilizes touch design, with a good touch ,long service life, and no mechanical button sound

♦ 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 has a dual-chain backup function and has two sets of independent network transmission systems. The terminal data is processed by two sets of processors at the same time, providing a double guarantee mechanism

♦ 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

♦ Attendance registration function: key to register, supplementary register or revocatory register.

♦ Voting: delegate can vote for Yes, No, 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

◆ Connector DCS-CON2057

◆ Basic functions

- ♦ In compliance with IEC60914 international standard, utilize digital audio processing and transmission technology
- ♦ Cooperate with basic discussion terminal, one connector could connect one discussion terminal, supply power for the discussion terminal
- ♦ Realize the communication between basic discussion terminal and the server
- ♦ Connector, basic discussion 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
- ♦ Automatic restoration function: supports hot plug
- ♦ When there is only basic discussion terminal, it requires the connectors; when the basic discussion, terminal is extended to other terminal, it do not require the connector

◆ Congress Terminal Feature Chart

Terminal Type	Description	Button for register	Discu-ssion	Voting	Interpre-tation	Automatic video tracking	Connection	Installation
DCS-Q2057C	Chairman	√	√			√		
DCS-Q2057D	Delegate	√	√			√		
DCS-2057D	Delegate	√	√			√		Desktop/seat armrest installation (DCS-2057D is seat armrest installation)
DCS-Q2057SI					single			
DCS-Q2057DI					dual		RJ 45 Connector	
DCS-Q2057V		√		√				
DCS-Q2057VI		√		√	single			
DCS-Q2057DI		√		dual-chain				
DCS-CON2057								Concealed

◆ Technical Parameters

Product	Basic Discussion Terminal	Basic Discussion Delegate Terminal (Hand-held)	32-channel terminal	Voting and Interpretation Terminal	Dual 32-channel terminal	Voting Terminal
Mounting	Desktop/seat armrest flush-mounting installation	Seat armrest flush-mounting installation	Desktop/seat armrest flush-mounting installation			
Panel Dimension (L×W×H)	83×40×3.5mm		158×40×3.5mm			
Product Dimension (L×W×H)	83×40×44mm	191×27.8×27.8mm	158×40×111.5mm			
Color	Black	metal gray	Black			
Display Parameter	/		Two digit LED			/
Status Indicator	LED Indicator		/	LED Indicator		
MIC — Acoustic Frequency Response	20Hz~20kHz		/	/	/	/
MIC — MIC Type	Heart pattern directional electret		/	/	/	/
MIC — MIC Stem Length	410mm (standard), 310mm/510mm (optional)	191×27.8×27.8mm	/	/	/	/
MIC — Sensitivity	−46 dBV/Pa		/	/	/	/
MIC — VOX Sensitivity	H/M/L(76dB/80dB/82dB)		/	/	/	/
MIC — Input Impedance	2KΩ		/	/	/	/
MIC — Directivity	0°/180°: >20 dB (1 kHz)		/	/	/	/
MIC — Equivalent Noise Level	20dBA(SPL)		/	/	/	/
MIC — Max SPL	125dB (THD<3%)		/	/	/	/
Frequency Response	/		20Hz~20kHz			/
THD	/		THD(<0.3%)			/
SNR	/		≥95dB			/
Headphone Port	/		Ø3.5 mm stereo jack		Ø3.5 mm stereo jack×2	/
Headphone Load	/		>16Ω			/
Headphone Volume	/		10mW			/
Channel	/		32			/
Interface	1× RJ45 Connector	1×RJ-45 Plugs	3× RJ45 Connector			
Power Supply	Sever/Interpretation Terminal/ Voting Terminal/ Voting and Interpretation Termina		Sever/ HUB			
Power	24V					
Max Power Consumption	6.4W					
Weight	0.16kg	0.22kg	0.6kg			
Operating Temperature	0~45°C					
Storage Temperature	-20~50°C					

Congress Server
GONSIN10000N

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
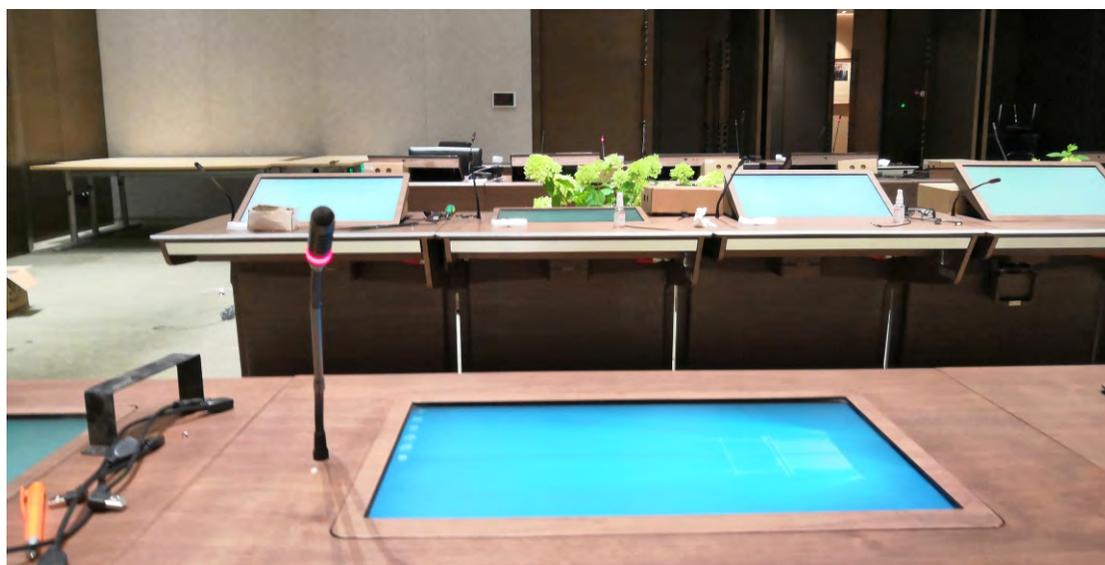
♦ Discussion function: support VOX, Auto, FIFO, Operator, Request and PTT

  ♦ 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
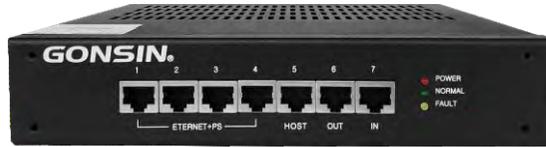
Extended functions with PC/software control:

♦ 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

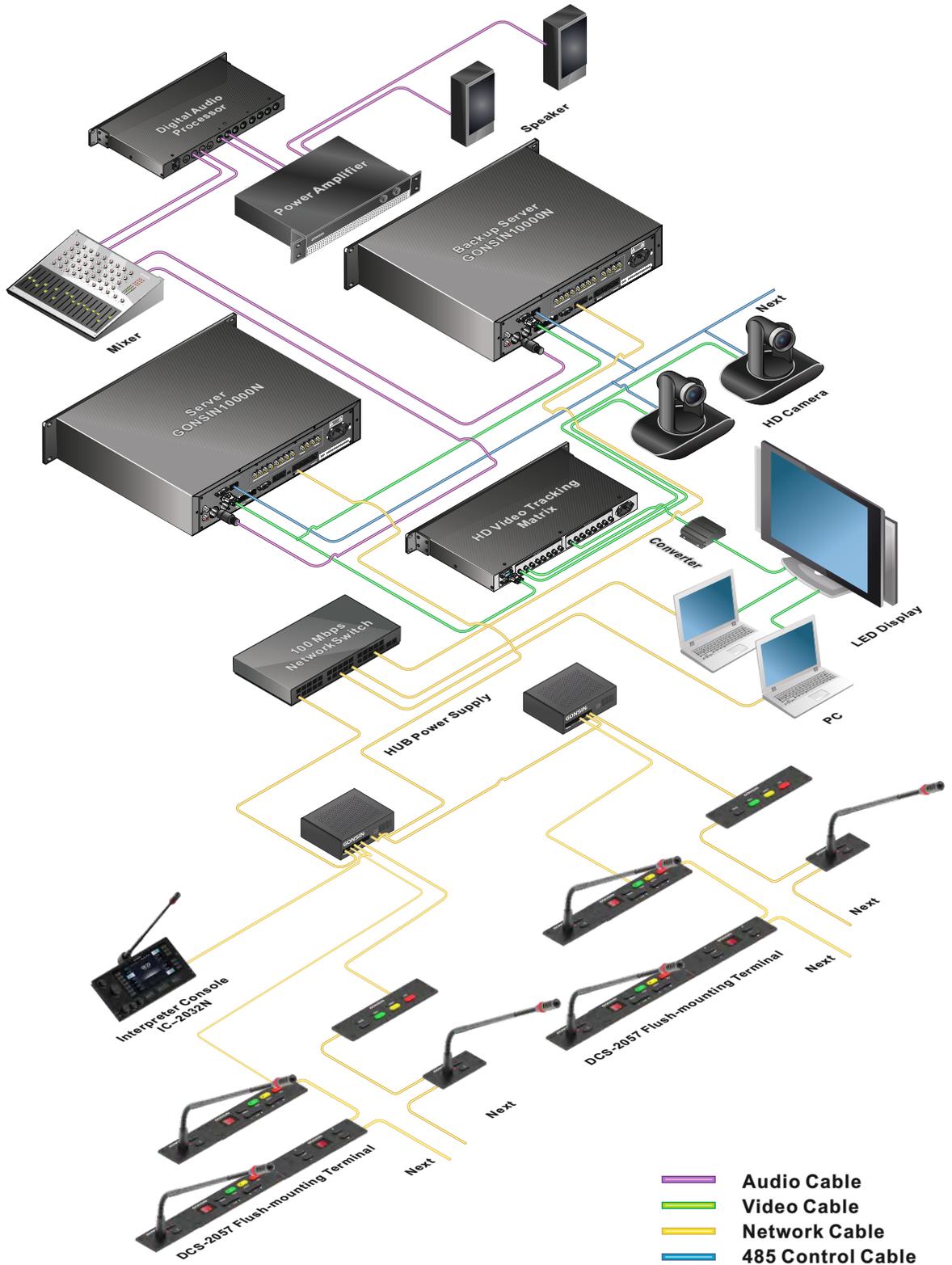♦ With the same channel interlock function, when the output channel is preset, the occupied channel will skip

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

Digital Audio Processor

Power Amplifier

Speaker

Backup Server GONSIN10000N

Mixer

Next

HD Camera

Server GONSIN10000N

HD Video Tracking Matrix

Converter

LED Display

100 Mbps Network Switch

PC

HUB Power Supply

Next

Next

Interpreter Console IC-2032N

DCS-2057 Flush-mounting Terminal

Next

DCS-2057 Flush-mounting Terminal

Next

DCS-2057 Flush-mounting Terminal

Next

Audio Cable
Video Cable
Network Cable
485 Control Cable

◆ **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%

◆ **Power Supply Adapter** GM36-120250-D

Color	Black
Size	87.8×45.2×30mm
Weight	144g
INPUT	Ac100~240V , 50~60Hz
OUTPUT	DC12V2.5A

◆ **Cable** RJ45-0.3m/2m/5m/10m

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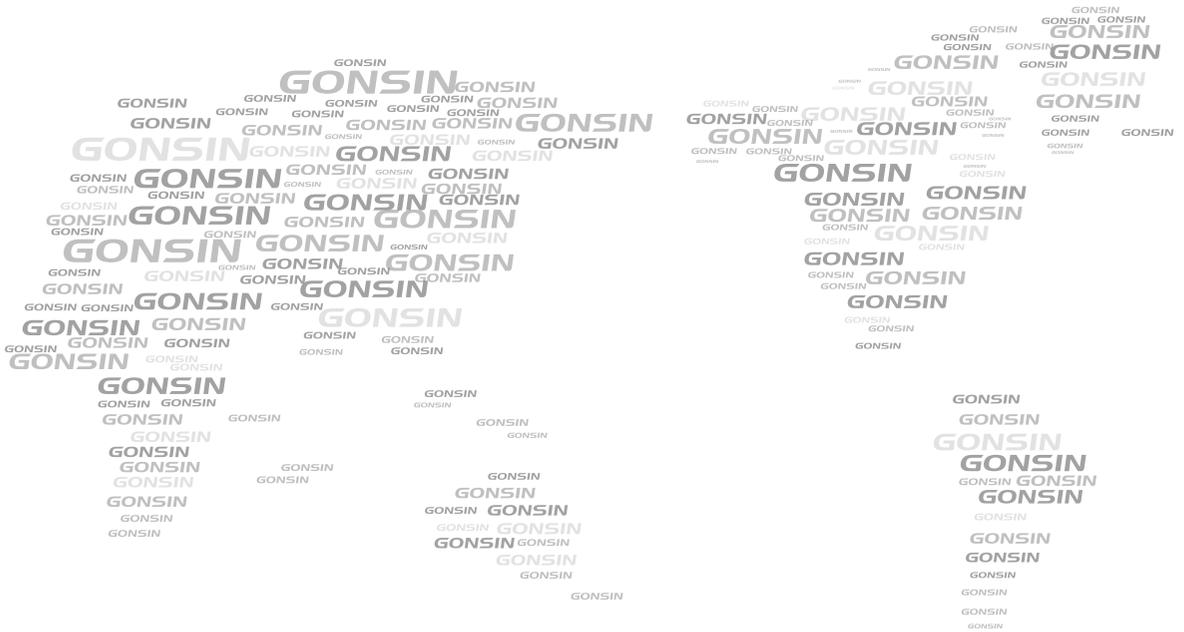
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