



## DCS-1023 Triple-band Wireless Congress 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



# Wireless Discussion Terminal with Voting and Interpretation

DCS-1023CF-W/DCS-1023DF-W



Wireless Chairman Terminal with Discussion, Voting and Interpretation  
DCS-1023CF-W



Wireless Delegate Terminal with Discussion, Voting and Interpretation  
DCS-1023DF-W



**Elegant appearance with full metal**  
Exquisite craftsmanship



**4.3-inch touch screen**  
Display microphone status information and can set various functions



**Adjustable microphone angle, intelligent voice control**  
Accurate pickup, adjustable sensitivity, easy to use



**Support 2.4G/5.2G/5.8G communication frequency band**  
Optional wireless communication frequency band to ensure stable system operation



**Rich configuration and complete functions**  
Support voting and simultaneous interpretation function. Built in high fidelity speaker and NFC module



**Support HD automatic camera tracking**  
Support preset panoramic position

## Basic Functions

- ◆ The terminal adopts metal panel, with high-end texture, which is fashionable and elegant
- ◆ The terminal adopts metal material with fixed rectangular columnar short microphone design, stable connection with the stem and the base; with two colors status indicator, users can easy to see the working status of the terminal. Adopt cavity pickup design, built-in windproof cotton
- ◆ 4.3-inch touch screen can display the information of clock, microphone status, battery capacity; Language supports Chinese/ English; it can set the contrast, volume, network setting, language and other functions of the terminal
- ◆ The built-in NFC module supports short-range wireless communication with NFC devices and NFC cards
- ◆ In compliance with IEEE 802.11n network standard, adopt WIFI wireless communication technology.
- ◆ Support 2.4G/5.2G/5.8G triple-band wireless communication, choosing the secure wireless channel to ensure the reliability of wireless connection
- ◆ Adopt all-digital audio technology, use non-compressed, high-fidelity, low-latency transmission technology, support 48KHz audio sampling rate
- ◆ Adopt 128 bit AES encryption technology and support WEP/WPA/WPA2 wireless security technology, ensuring the privacy of meetings and avoiding eavesdrop as well as malicious interference

Support SSID WiFi-settings, to ensure non-interference when operating several systems within the same environment

- ◆ The serial-number is one and only, the conference system supports automatically or manually assign ID to the corresponding equipment
- ◆ With Automatic Speech Recognition System, it can realize the function of voice transcription, and realize the meeting recording in multiple ways
- ◆ The audio and sensitivity of each terminal can be adjusted independently or uniformly, and the sound effect can be adjusted according to the on-site speech situation until the perfect effect is achieved
- ◆ Built-in high-speed DSP digital audio processor, it can help remove the useless low-frequency and avoid low-frequency acoustical shock, which better improve the sharpness of sound
- ◆ Intelligent power management mechanism, with power detection, low-voltage warning, energy-saving management, automatic shutdown protection functions
- ◆ Support charging box charging mode, built-in rechargeable lithium battery, terminal battery duration (speaking state) ≥ 17 hours
- ◆ Support DC power charging mode, using 12V/2A DC charging (Power adapter to be purchased separately)
- ◆ Multiplexing switch terminal button, short press for switching on/off terminal; long press for turning on/off terminal
- ◆ With service call function, by clicking the icons of tea, paper, pen, help, etc. on the touch screen, request service to the service background (need to use with call service management software)
- ◆ There is a two-color indicator light above the speaking button to indicate the current working status of the terminal
- ◆ With USB interface, support device data communication function
- ◆ Built-in 8Ω/2W high-fidelity speaker
- ◆ Comes with Ø3.5 mm headphone jack, adjustable volume
- ◆ Can be equipped with electronic table card to display the name of the participant (sold separately)
- ◆ 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. Attendance is counted automatically and the result can be displayed on the congress terminal
- ◆ Automatic camera tracking function ,support HD automatic camera tracking, and preset overall view
- ◆ 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
- ◆ Voting function:
  - ◆ Offline functions without PC/software control: Attendance registration and voting can be run by the chairman terminal, without PC control, the chairman terminal can initiate registration, voting, quick election (election one in five) , evaluation and etc
  - ◆ Extended functions with PC/software control
    - ◆ Voting: YES/ABST /NO . Voting result can be shown on the congress terminal by automatic counting

- Single-choice and multiple-choice voting
- First key-press effective voting
- Voting types and modes can be preset
- Voting result is displayed as pie charts or text
- ◆ Election: elect one or more out of multiple candidates, with 'competitive election', 'single-candidate election' and 'quick election( elect one from five)'
- ◆ Evaluation: Satisfaction, quite satisfaction, dissatisfaction and Abstain. Evaluation mode is set by the 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
- ◆ Simultaneous interpretation function:
  - ◆ Simultaneous interpretation of 6 (1+5) channels can be realized, and the simultaneous interpretation list and earphone volume adjustment can be displayed through the touch screen (the earphone must be inserted to select the language channel)
  - ◆ The frequency response of the simultaneous interpreting channel can reach 20Hz~ 20kHz
- ◆ It can appoint any delegate terminal as the chairman and the vice-chairman terminal. The chairman terminal has below functions besides the all functions of the delegate terminal.
  - ◆ Chairman terminal can be activated at any time without presetting mic limit
  - ◆ Chairman priority button to override all active delegate terminals
  - ◆ Could allow the delegate terminal to speak or not

## ◆ Technical Specifications

Operating Frequency	2.4G/5.2G/5.8G triple-band Communication
Display Parameter	4.3-inch TFT true color touch screen
Acoustic Frequency Response	20Hz~20kHz
Sensitivity	-46 dBV/Pa
Equivalent Noise Level	20dBA (SPL)
Max SPL	125dB THD<3%
THD	<0.05%
SNR	≥96dB
MIC Type	Electre
Directivity Characteristics	Super-cardioid
Directivity	0°/135° > 20 dB (1 kHz) 0°/180° > 15 dB (1 kHz)
Input Impedance	2kΩ
Headphone Output Jack	Ø3.5 mm jack
Built-in Speaker	2W/8Ω
NFC Parameters	Support ISO14443 TYPE A standard, Mifare standard card
Number of simultaneous interpretation channels	6 channels (including the floor channel)
USB Interface	1 for data communication
DC Interface	1 for 12V/2A charging
Battery Capacity	6700mAh
Battery Life	≥17 hours
Microphone size (L×W×H)	220×33×27mm
Base size (L×W×H)	140×120×65mm
Weight	990g
Operating temperature	0-45°C
Storage temperature	-20-50°C

# Wireless Basic Discussion Terminal

DCS-1023C-W/DCS-1023D-W



Wireless Basic Discussion  
Chairman Terminal  
DCS-1023C-W



Wireless Basic Discussion  
Delegate Terminal  
DCS-1023D-W



**Elegant appearance with full metal**  
Exquisite craftsmanship



**4.3-inch touch screen**  
Display microphone status information  
and can set various functions



**Adjustable microphone angle, intelligent voice control**  
Accurate pickup, adjustable sensitivity, easy to use



**Support 2.4G/5.2G/5.8G communication frequency band**  
Optional wireless communication frequency band to ensure stable system operation



**Support HD automatic camera tracking**  
Support preset panoramic position

## Basic Functions

- ◆ The terminal adopts metal panel , with high-end texture, which is fashionable and elegant
- ◆ The terminal adopts metal material with fixed rectangular columnar short microphone design, stable connection with the stem and the base; with status indicator, users can easy to see the working status of the terminal
- ◆ 4.3-inch touch screen can display the information of clock, microphone status, battery capacity; Language supports Chinese/ English; it can set the contrast, volume, network setting, language and other functions of the terminal
- ◆ In compliance with IEEE 802.11n network standard, adopt WIFI wireless communication technology.
- ◆ Support 2.4G/5.2G/5.8G triple-band wireless communication, choosing the secure wireless channel to ensure the reliability of wireless connection
- ◆ Adopt all-digital audio technology, use non-compressed, high-fidelity, low-latency transmission technology, support 48KHz audio sampling rate
- ◆ Adopt 128 bit AES encryption technology and support WEP/WPA/WPA2 wireless security technology, ensuring the privacy of meetings and avoiding eavesdrop as well as malicious interference
- ◆ Support SSID WiFi-settings, to ensure non-interference when operating several systems within

the same environment

- ◆ The serial-number is one and only, the conference system supports automatically or manually assign ID to the corresponding equipment
- ◆ With Automatic Speech Recognition System, it can realize the function of voice transcription, and realize the meeting recording in multiple ways
- ◆ The audio and sensitivity of each terminal can be adjusted independently or uniformly, and the sound effect can be adjusted according to the on-site speech situation until the perfect effect is achieved
- ◆ Built-in high-speed DSP digital audio processor, it can help remove the useless low-frequency and avoid low-frequency acoustical shock, which better improve the sharpness of sound
- ◆ Intelligent power management mechanism, with power detection, low-voltage warning, energy-saving management, automatic shutdown protection functions
- ◆ Support charging box charging mode, built-in rechargeable lithium battery, terminal battery duration (speaking state)  $\geq 17$  hours
- ◆ Support DC power charging mode, using 12V/2A DC charging (Power adapter to be purchased separately)
- ◆ Multiplexing switch terminal button, short press for switching on/off terminal; long press for turning on/off terminal
- ◆ With service call function, by clicking the icons of tea, paper, pen, help, etc. on the touch screen, request service to the service background (need to use with call service management software)
- ◆ There is a two-color indicator light above the speaking button to indicate the current working status of the terminal
- ◆ With USB interface, support device data communication function
- ◆ Built-in 8 $\Omega$ /2W high-fidelity speaker
- ◆ Comes with  $\varnothing 3.5$  mm headphone jack, adjustable volume
- ◆ Attendance registration function: key to register, supplementary register or revocatory register. Attendance is counted automatically and the result can be displayed on the congress terminal
- ◆ Automatic camera tracking function, support HD automatic camera tracking, and preset overall view
- ◆ 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
- ◆ It can appoint any delegate terminal as the chairman and the vice-chairman terminal. The chairman terminal has below functions besides the all functions of the delegate terminal.
  - ◆ Chairman terminal can be activated at any time without presetting mic limit
  - ◆ Chairman priority button to override all active delegate terminals
  - ◆ Could allow the delegate terminal to speak or not
  - ◆ The number of chairman and vice-chairman terminals in the system is not limited

## ◆ Technical Specifications

Operating Frequency	2.4G/5.2G/5.8G triple-band Communication
Display Parameter	4.3-inch TFT true color touch screen
Acoustic Frequency Response	20Hz~20kHz
Sensitivity	-46 dBV/Pa
Equivalent Noise Level	20dBA (SPL)
Max SPL	125dB THD<3%
THD	<0.05%
SNR	≥96dB
MIC Type	Electre
Directivity Characteristics	Super-cardioid
Directivity	0°/135° > 20 dB (1 kHz) 0°/180° > 15 dB (1 kHz)
Input Impedance	2kΩ
Headphone Output Jack	Ø3.5 mm jack
Built-in Speaker	2W/8Ω
USB Interface	1 for data communication
DC Interface	1 for 12V/2A charging
Battery Capacity	6700mAh
Battery Life	≥17 hours
Microphone size (L×W×H)	220×33×27mm
Base size (L×W×H)	140×120×65mm
Weight	0.87kg
Operating temperature	0-45°C
Storage temperature	-20-50°C

## ◆ Congress Terminal Feature Chart

Terminal Model	Terminal Identity	Speaking	Voting	Simultaneous Interpretation	NFC	Built-in Speaker	Screen	Installation	Congress Server
DCS-1023C-W	Chairman	✓				✓	4.3-inch TFT LCD Touch Screen	Desktop	GONSIN10000N
DCS-1023D-W	Delegate	✓				✓			
DCS-1023CF-W	Chairman	✓	✓	✓	✓	✓			
DCS-1023DF-W	Delegate	✓	✓	✓	✓	✓			

# Wireless Discussion Terminal with Voting and Interpretation (Gooseneck Microphone)

DCS-1023CF-W/DCS-1023DF-W



Wireless Chairman Terminal with Discussion, Voting and Interpretation (Gooseneck Microphone)  
DCS-1023CF-W



Wireless Delegate Terminal with Discussion, Voting and Interpretation (Gooseneck Microphone)  
DCS-1023DF-W



**Elegant appearance with full metal**  
Exquisite craftsmanship



**4.3-inch touch screen**  
Display microphone status information and can set various functions



**Support 2.4G/5.2G/5.8G communication frequency band**  
Optional wireless communication frequency band to ensure stable system operation



**Rich configuration and complete functions**  
Support voting and simultaneous interpretation function. Built in high fidelity speaker and NFC module



**Support HD automatic camera tracking**  
Support preset panoramic position

## Basic Functions

- ◆ The terminal adopts metal panel, with high-end texture, which is fashionable and elegant
- ◆ The gooseneck terminal adopts a pluggable microphone stem, which can be disassembled during the non-meeting period, and is convenient for equipment maintenance. It adopts electret cardioid microphone with indicating light ring and dual-hose of various lengths. (standard: 410mm, optional: 310mm/510mm)
- ◆ 4.3-inch touch screen can display the information of clock, microphone status, battery capacity; Language supports Chinese/ English; it can set the contrast, volume, network setting, language and other functions of the terminal
- ◆ The built-in NFC module supports short-range wireless communication with NFC devices and NFC cards
- ◆ In compliance with IEEE 802.11n network standard, adopt WIFI wireless communication technology.
- ◆ Support 2.4G/5.2G/5.8G triple-band wireless communication, choosing the secure wireless channel to ensure the reliability of wireless connection
- ◆ Adopt all-digital audio technology, use non-compressed, high-fidelity, low-latency transmission technology, support 48KHz audio sampling rate
- ◆ Adopt 128 bit AES encryption technology and support WEP/WPA/WPA2 wireless security technology, ensuring the privacy of meetings and avoiding eavesdrop as well as malicious interference

- ◆ Support SSID WiFi-settings, to ensure non-interference when operating several systems within the same environment
- ◆ The serial-number is one and only, the conference system supports automatically or manually assign ID to the corresponding equipment
- ◆ With Automatic Speech Recognition System, it can realize the function of voice transcription, and realize the meeting recording in multiple ways
- ◆ The audio and sensitivity of each terminal can be adjusted independently or uniformly, and the sound effect can be adjusted according to the on-site speech situation until the perfect effect is achieved
- ◆ Built-in high-speed DSP digital audio processor, it can help remove the useless low-frequency and avoid low-frequency acoustical shock, which better improve the sharpness of sound
- ◆ Intelligent power management mechanism, with power detection, low-voltage warning, energy-saving management, automatic shutdown protection functions
- ◆ Support charging box charging mode, built-in rechargeable lithium battery, terminal battery duration (speaking state) ≥ 17 hours
- ◆ Support DC power charging mode, using 12V/2A DC charging (Power adapter to be purchased separately)
- ◆ Multiplexing switch terminal button, short press for switching on/off terminal; long press for turning on/off terminal
- ◆ With service call function, by clicking the icons of tea, paper, pen, help, etc. on the touch screen, request service to the service background (need to use with call service management software)
- ◆ There is a two-color indicator light above the speaking button to indicate the current working status of the terminal
- ◆ With USB interface, support device data communication function
- ◆ Built-in 8Ω/2W high-fidelity speaker
- ◆ Comes with Ø3.5 mm headphone jack, adjustable volume
- ◆ Can be equipped with electronic table card to display the name of the participant (sold separately)
- ◆ 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. Attendance is counted automatically and the result can be displayed on the congress terminal
- ◆ Automatic camera tracking function ,support HD automatic camera tracking, and preset overall view
- ◆ 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
- ◆ Voting function:
  - ◆ Offline functions without PC/software control: Attendance registration and voting can be run by the chairman terminal, without PC control, the chairman terminal can initiate registration, voting, quick election (election one in five) , evaluation and etc
  - ◆ Extended functions with PC/software control
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- Single-choice and multiple-choice voting
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- ◆ Evaluation: Satisfaction, quite satisfaction, dissatisfaction and Abstain. Evaluation mode is set by the 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
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  - ◆ Simultaneous interpretation of 6 (1+5) channels can be realized, and the simultaneous interpretation list and earphone volume adjustment can be displayed through the touch screen (the earphone must be inserted to select the language channel)
  - ◆ The frequency response of the simultaneous interpreting channel can reach 20Hz~ 20kHz
- ◆ It can appoint any delegate terminal as the chairman and the vice-chairman terminal. The chairman terminal has below functions besides the all functions of the delegate terminal.
  - ◆ Chairman terminal can be activated at any time without presetting mic limit
  - ◆ Chairman priority button to override all active delegate terminals
  - ◆ Could allow the delegate terminal to speak or not

## ◆ Technical Specifications

Operating Frequency	2.4G/5.2G/5.8G triple-band Communication
Display Parameter	4.3-inch TFT true color touch screen
Acoustic Frequency Response	20Hz~20kHz
Sensitivity	-46 dBV/Pa
Equivalent Noise Level	20dBA (SPL)
Max SPL	125dB THD<3%
THD	<0.05%
SNR	≥96dB
MIC Type	Electre
Directivity Characteristics	Cardioid
Directivity	0°/180°:> 20 dB (1 kHz)
Input Impedance	2kΩ
Headphone Output Jack	Ø3.5 mm jack
Built-in Speaker	2W/8Ω
NFC Parameters	Support ISO14443 TYPE A standard, Mifare standard card
Number of simultaneous interpretation channels	6 channels (including the floor channel)
USB Interface	1 for data communication
DC Interface	1 for 12V/2A charging
Battery Capacity	6700mAh
Battery Life	≥17 hours
Microphone stem length	410mm(standard)(310mm/510mm optional)
Base size (L×W×H)	140×120×65mm
Weight	990g
Operating temperature	0-45°C
Storage temperature	-20-50°C

# Wireless Basic Discussion Terminal (Gooseneck Microphone)

DCS-1023C-W/DCS-1023D-W



Wireless Basic Discussion  
Chairman Terminal  
(Gooseneck Microphone)  
DCS-1023C-W



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Delegate Terminal  
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**4.3-inch touch screen**  
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- ◆ Support charging box charging mode, built-in rechargeable lithium battery, terminal battery duration (speaking state)  $\geq 17$  hours
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- ◆ With service call function, by clicking the icons of tea, paper, pen, help, etc. on the touch screen, request service to the service background (need to use with call service management software)
- ◆ There is a two-color indicator light above the speaking button to indicate the current working status of the terminal
- ◆ With USB interface, support device data communication function
- ◆ Built-in 8 $\Omega$ /2W high-fidelity speaker
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- ◆ Attendance registration function: key to register, supplementary register or revocatory register. Attendance is counted automatically and the result can be displayed on the congress terminal
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- ◆ It can appoint any delegate terminal as the chairman and the vice-chairman terminal. The chairman terminal has below functions besides the all functions of the delegate terminal.
  - ◆ Chairman terminal can be activated at any time without presetting mic limit
  - ◆ Chairman priority button to override all active delegate terminals
  - ◆ Could allow the delegate terminal to speak or not
  - ◆ The number of chairman and vice-chairman terminals in the system is not limited

## ◆ Technical Specifications

Operating Frequency	2.4G/5.2G/5.8G triple-band Communication
Display Parameter	4.3-inch TFT true color touch screen
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Sensitivity	-46 dBV/Pa
Equivalent Noise Level	20dBA (SPL)
Max SPL	125dB THD<3%
THD	<0.05%
SNR	≥96dB
MIC Type	Electre
Directivity Characteristics	Cardioid
Directivity	0°/180°:> 20 dB (1 kHz)
Input Impedance	2kΩ
Headphone Output Jack	Ø3.5 mm jack
Built-in Speaker	2W/8Ω
USB Interface	1 for data communication
DC Interface	1 for 12V/2A charging
Battery Capacity	6700mAh
Battery Life	≥17 hours
Microphone stem length	410mm(standard)(310mm/510mm optional)
Base size (L×W×H)	140×120×65mm
Weight	0.87kg
Operating temperature	0-45°C
Storage temperature	-20-50°C

## ◆ Congress Terminal Feature Chart

Terminal Model	Terminal Identity	Speaking	Voting	Simultaneous Interpretation	NFC	Built-in Speaker	Screen	Installation	Congress Server
DCS-1023C-W	Chairman	✓				✓	4.3-inch TFT LCD Touch Screen	Desktop	GONSIN10000N
DCS-1023D-W	Delegate	✓				✓			
DCS-1022CF-W	Chairman	✓	✓	✓	✓	✓			
DCS-1022DF-W	Delegate	✓	✓	✓	✓	✓			

# 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,
Output impedance	AUDIO OUT 1 ~ 4: +20 dBu balanced
Central control method	>1k $\Omega$
PC communication method	RS-232
Camera control method	TCP/IP
Wired congress terminal interface	RS-485
Network Interface	RJ45 $\times$ 4, adopt own power supply protocol
Recording interface	RJ45 $\times$ 2, support standard POE power supply
Recording file size	USB (U disk format: FAT32)
Supported cameras	0.8M/min
Video input interface	8 (SD)
Video output interface	RCA $\times$ 8(1Vp-p 75 $\Omega$ ) or SDI $\times$ 4 (SD/HD/3G)
Camera Tracking Protocol	RCA $\times$ 4(1Vp-p 75 $\Omega$ ) or SDI $\times$ 1 (SD/HD/3G)
Display	PELCO-P/PELCO-D/VISCA
Installation	OLED (61mm $\times$ 37mm)
Power Supply	Desktop or 19' cabinet installation
Maximum power consumption	AC100 ~ 240V, 50/60Hz
Dimensions (L $\times$ W $\times$ H)	300W
Weight	483 $\times$ 437 $\times$ 90mm
Operating temperature	8.9kg
Storage temperature	-0~45 $^{\circ}$ C -20~50 $^{\circ}$ C

## ◆ **Wireless AP** WAP-10D

### ◆ **Basic Functions**



- ◆ Adopt WiFi wireless communication technology, in compliance with IEEE 802.11b/g/n and IEEE 802.11ac/a/n network standards, the wireless transmission rate can reach 1167Mbps
- ◆ Support MU-MIMO technology based on 802.11ac WAVE2 specification to solve the network transmission pressure in crowded places
- ◆ It adopts 128 bit AES encryption technology and supports WEP / WPA / WPA2 wireless security technology to ensure the privacy of the conference and avoid eavesdropping and malicious interference
- ◆ Support 2.4G/5.2G/5.8G three communication frequency bands optional, by choosing a clean wireless channel, to ensure the stability and reliability of wireless communication
- ◆ The wireless signal coverage of single AP is stable, and the communication distance is 30 meters
- ◆ Support up to 128 wireless AP connection management to achieve greater wireless coverage, and conference terminals can roam seamlessly
- ◆ Support SSID wireless network settings to ensure that multiple systems in the same environment are used at the same time without interference
- ◆ The built-in matrix smart antenna can automatically adjust the working channel and transmit power of the wireless access point, and detect the interference of the surrounding environment in real time, so as to effectively reduce the wireless interference and improve the communication quality of the wireless network
- ◆ Support POE power supply, easy to install
- ◆ Support wall-mounted / bracket / ceiling / desktop placement of a variety of installation methods, can adapt to the installation environment of various types of venues



## ◆ Technical Specifications

Working frequency	802.11ac/n/a: 5.725GHz-5.850GHz; 5.15~5.35GHz (China) 802.11b/g/n: 2.4GHz-2.483GHz (China)
Maximum transmission rate	1167Mbps
Ethernet interface	1×10/100/1000Mbps
Console interface	1 RJ45 interface
Single AP capacity	60 units
Wireless signal coverage	30 meters (stable communication distance)
Transmit power	≤20 dBm
Adjustable power granularity	1 dBm
Adjustable power range	1 dBm~corresponding national regulations PoE power supply (support 802.3af/802.3at),
Power supply	power adapter (12V/2A)
Power consumption	< 13W
Dimensions (L×W×H)	196 mm×196 mm×45 mm
Weight	0.5kg
Operating temperature	-10°C~55°C
Storage temperature	-40°C~70°C
Working humidity/Storage humidity	5%~95% (non-condensing)
Protection level	IP 41

## ◆ 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

- ◆ 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

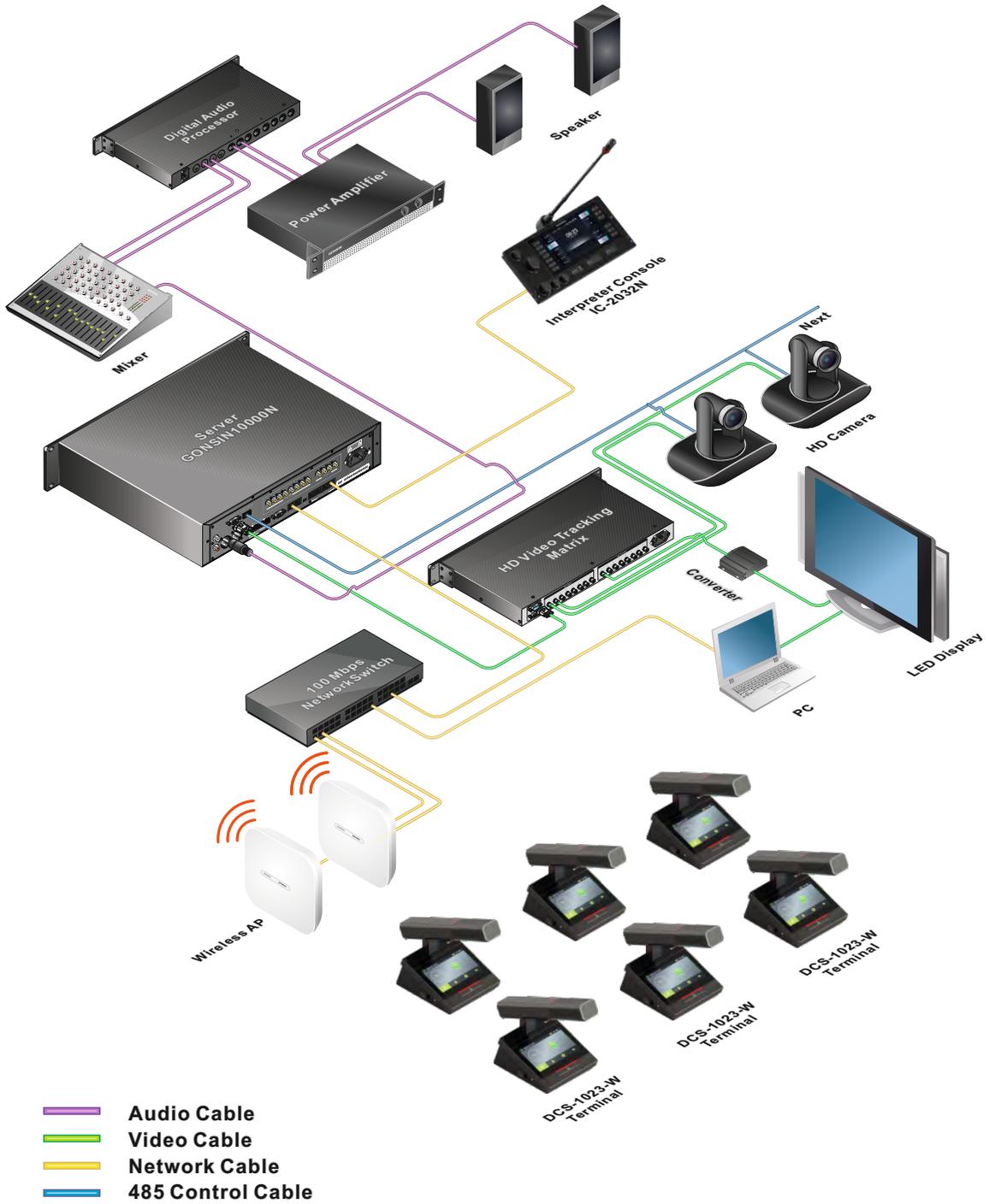
automatically. Channel output can be set to interlock mode and free mode

- ◆ 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 a 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



# Charging Cabinet

## CHG-08



### Basic Functions

- ◆ Equip with wireless conference terminal DCS-1023-W series, the terminal is directly placed on the charging case for charging
- ◆ Indicator light shows working status
- ◆ Intelligent charging management to ensure safer and more reliable charging process. At the same time, it can manage battery power and charging current in real time to extend battery life
- ◆ The charging circuit adopts an independent modular design. The terminal is automatically detected, and the charging module does not work when the terminal is inserted or not inserted by mistake
- ◆ Up to 8 wireless terminals can be charged at the same time

### Technical Specifications

Operating voltage	12V
Working current	15A
Charging time	4hours
Size (L×W×H)	605×346×46mm
Weight	4.78kg
Operating temperature	0~45°C
Storage temperature	-20~50°C

# RF ID Reader BR-101A

- ◆ Adopt 13.56MHz non-contact radio frequency technology, embedded NXP highly integrated read-write chip as radio frequency base station
- ◆ Support ISO14443 TYPE A standard/Mifare standard card
- ◆ Support USB to serial communication



Reader support	Mf0: Ultralight, Ultralight C, NTAG203, NTAG213 MF1: S50, S70, FM11RF08 and compatible cards
NFC parameters	Support ISO14443 TYPE A standard, Mifare standard card
Serial port protocol (UART)	Serial bit data (8), parity bit (none), stop bit (1), baud rate 19200
Volume	96×61 mm

## ◆ Non-Contacted IC Card **NTAG213**

Card size (L×W×H)	85.6×54×0.8 mm
Card rounded corners	3mm
Operating temperature	5~40°C
Working humidity	35~85%RH



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

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



## ◆ Stereo Headphone **TC-D3**

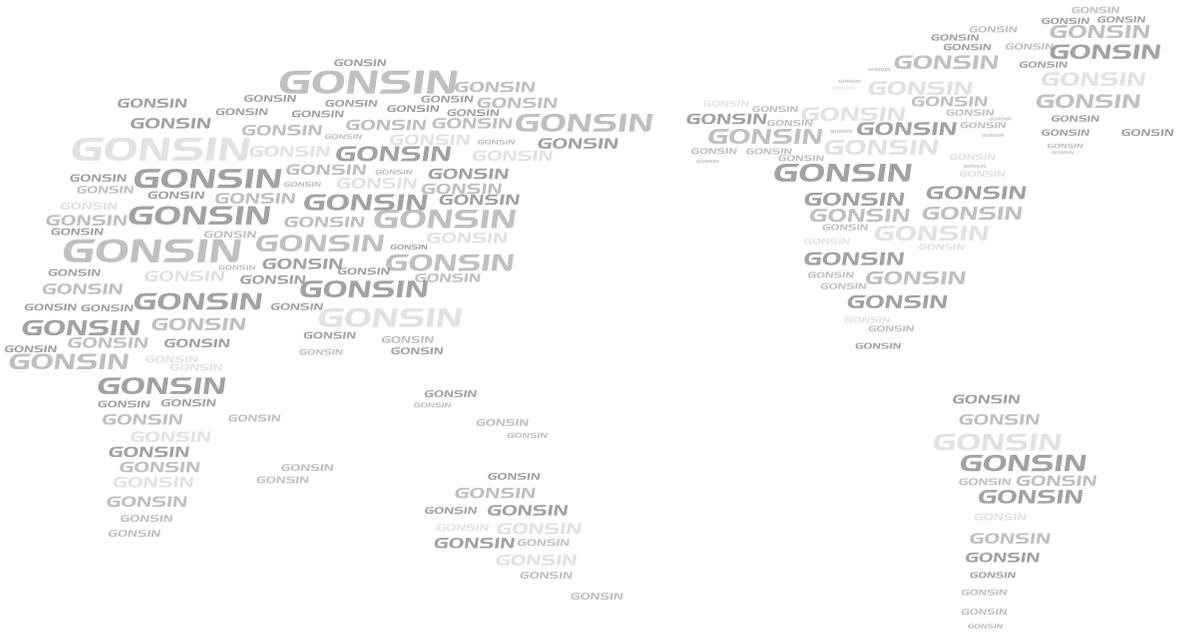
Color	Black
Type	Stereo headphone
Interface	3.5mm
Impedance	32Ω±15%
Frequency reponse range	20-20KHz
Voltage	0.8V
Input power	30-50mW
Distortion rate	<5%



## ◆ 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%





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English WeChat



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