GONSIN®

DCS-1022
Distributed Congress System
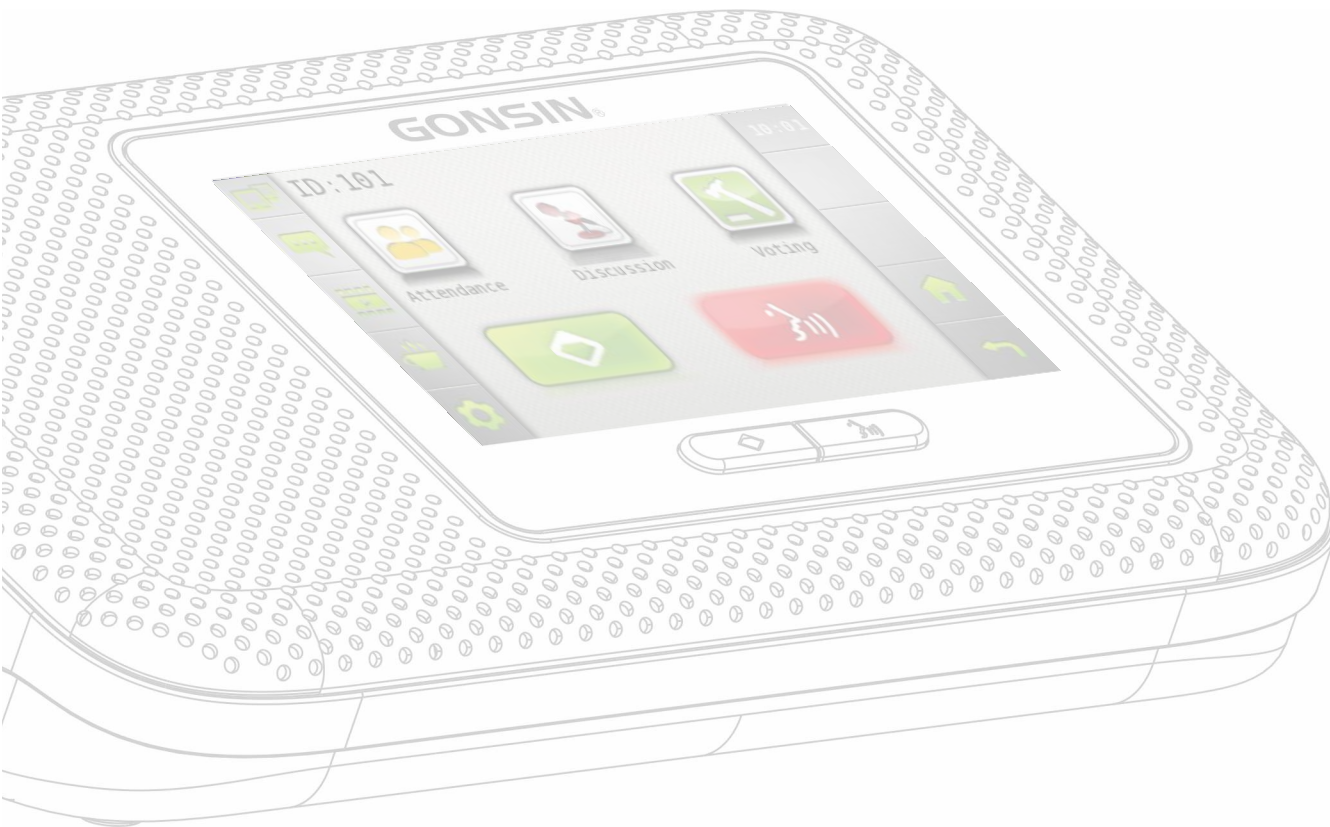
GONSIN CONFERENCE EQUIPMENT CO.,LTD.
www.gonsin.com

GONSIN®
Delivering Trust & Value

Distributed Congress System

More Convenient   More Stable   More Intelligent

Distributed Congress System offers fully digital, scalable, versatile and reliable platform-based congress solutions for microphone discussion, interactive voting, language distribution, attendance registration, camera tracking, digital recording and conference management. Redefining the conference system with cutting-edge technologies and greatly enhanced user experience, it provides rich features such as presentation transcript, intercom short messages, service calls and multilingual display.

Main Features

◆ Stylish and intuitive user interface

Equipped with a 4.3-inch LCD touch screen, the congress server and congress terminal features an elegant, interactive graphical user interface (GUI) which facilitates intuitive operation and improves user experience.

◆ Scalable solution for events of all sizes

Using the congress management system software, you can easily configure a highly scalable system for conference breakout sessions or multi-room convention.

◆ Web-based congress management

You can access the web-based interface for congress management and update your system software online.

◆ Absolute protection for congress privacy and security

The system adopts cloud computing and cloud storage solutions for fast real-time data processing, and deploys proprietary end-to-end encryption (E2EE) technology to ensure the highest level of congress privacy and security protections.

Graphical User Interface

◆ Congress Server

Gonsin-10000

◆ Features

- ◆ Fully digital technology for audio signal processing and transmission, which complies with the IEC 60914 international standards for conference systems

- ◆ The congress server platform is based on Linux operating system, applicable for any large convention centre which requires strict working conditions

- ◆ Conforms to the state-of-the-art H.264/AVC digital video coding standard

- ◆ High performance DSP solution optimized for digital audio processing.

- ◆ Modular-based design allows feature expansion and system upgrade with additional function modules

- ◆ Combinations and breakout of conference rooms can be configured by the congress software

- ◆ Supports web-based remote login and setting

- ◆ Automatic server recovery including support for hot plug or plug-and-play (PnP)

- ◆ 4.3-inch TFT true colour touch screen for operation and setting

- ◆ USB port for system upgrade,setting and backup

- ◆ Built-in test function enables the pre-event check over the microphone and LED indicators

- ◆ An unique ID number is given to every server for equipment installation, test running, orderly management and technical support

- ◆ The system power can be managed through the multimedia control system

- ◆ When the server and PC are connected, in case of PC failure, the server can still control the conference independently and all the preset proceedings can be run as expected

- ◆ Daisy-chain, star network topologies can be used together to meet different cabling needs for different venues

The server offers the following functions in stand-alone mode

- ◆ Attendance registration by keypress

- ◆ Automatic video tracking with preset position for panorama view, when camera tracking card is equipped

- ◆ Active microphone limit (1/2/3/4) for setting the maximum number of simultaneously activated delegate microphones

- ◆ Microphone modes: AUTO / FIFO / VOX mode is optional

- ◆ Voting for YES/ABST/NO

The server offers more functions under PC/software control

- ◆ Centralized microphone management

- ◆ Attendance registration using IC card

- ◆ Voting: YES/ABST/NO. Vote counting and result display are enabled by PC
  - -- Single-choice and multiple-choice voting
  - -- First keypress voting
  - -- Voting types and modes can be preset

- ◆ Election: elect one or more out of multiple candidates, with 'competitive election', 'equal number election' and 'quick election'

- ◆ Evaluation: Good, Fair, Poor and Abstain. Evaluation mode is defined by the PC/software

◆ Technical Specifications

Capacity	450 congress terminals	
Maximum power	300 W	
Frequency response	30Hz-20KHz (±4dB)（set by software)	
Mains supply	AC 110/220V±10%, 50-60 Hz	
Audio inputs	LINE IN 1: +10 dBu balanced	
	LINE IN 2: +10 dBu unbalanced	
Audio output	LINE OUT: +20 dBu	
Operating temperature	0℃ to 45℃	
Storage temperature	-20℃ to 50℃	
Dimensions	430×325×133.5mm(W×D×H)	
	490×325×133.5mm (with rack mounting bracket)	
Weight	13.3Kg	
Mounting	19" standard cabinet	
I/O ports	2 × RS-232	2 × input ports for ALARM signal,
	4 × RJ-45	1 × control port for alarm signal
	1 × USB2.0	1 × LINE IN - balanced,
	1 × mini-USB	2 × LINE IN - unbalanced
	4 × RCA ports for 4 x dome cameras	1 × MIC IN, 2 x LINE OUT
	3 × 6P DIN for congress terminals	

Wireless Congress Terminal
DCS-1022-WF

Features

◆ Wireless communication using Wi-Fi technology

◆ 4.3-inch TFT true color LCD touch screen

◆ Stylish and interactive graphical user interface

◆ No interference when multiple wireless systems are used

◆ Optional voice-activated microphone mode

◆ Multilingual support for user interface

◆ Multiple methods of attendance registration

◆ Plug-and-play handheld voting is supported

◆ Presentation transcript display

◆ Highly resistant to mobile phone interference

◆ Chairman terminal can run voting

◆ USB port for system expansion and upgrade

◆ Pluggable gooseneck microphone stem

◆ Every terminal is given an unique ID number

Wireless Congress Terminal

Main Functions

◆ Microphone modes: AUTO/FIFO/VOX mode is optional. Up to 4 microphones can be active simultaneously

◆ VOX mode: The microphone is automatically turned on when a delegate speaks. Sensitivity (H/M/L) and Mic time-out (20-250 seconds) can be adjusted on the congress server

◆ Attendance registration and 3-way voting can be run by the congress server or chairman terminal, without PC control

◆ Attendance is registered by IC card or microphone keypress. Attendance is counted automatically and the result can be displayed on the congress terminal

◆ Voting: YES/ABST/NO. Vote is automatically counted and the result can be shown on the congress terminal

-- Single-choice and multiple-choice voting

-- First keypress voting

-- Voting types and modes can be preset

-- Result is displayed as pie charts or text

◆ Election: elect one or more out of multiple candidates, with 'competitive election', 'equal number election' and 'quick election'

◆ Evaluation: Good, Fair, Poor and Abstain. Evaluation mode is defined by the software

◆ Automatic video tracking supports HD camera, with preset position for panorama view.

◆ Congress terminal displays presentation transcript. Transcript font, size, colour and given time interval can be preset

◆ Volume, brightness, contrast, time synchronization can be adjusted on the congress terminal

Wireless Congress Terminal Feature Chart

Model Number	Description	Microphone	Voting	Multilingual Support	Touch Screen	Loud Speaker	Card Reader
DCS-1022CF-WF	Chairman Terminal	√	√	√	√	√	√
DCS-1022DF-WF	Delegate Terminal	√	√	√	√	√	√
DCS-1022D-WF	Delegate Terminal	√		√	√	√	√
DCS-1022DV-WF	Delegate Terminal	√	√	√	√	√	√

◆ Technical Specifications

Communication mode	WI-FI
Wireless system capacity	450 congress terminals
Frequency range	2.4GHz/5.8GHz
Frequency response	30Hz-20KHz (±4dB)
Sensitivity	-46dB±1dB
Rechargeable Li-ion battery	3000mAH
Rated voltage	12V
Power	8W
PC communication	TCP/IP
Display	4.3-inch TFT true colour touch screen
Phone jack	3.5mm stereo
Operating temperature	0℃ to 45℃
Storage temperature	-20℃ to 50℃
Mic stem length	310mm standard, 410mm / 510mm optional
Dimensions	212×139×67mm (W×D×H)
Net weight	0.8kg

◆ WiFi Converter
TR-10

◆ Technical Specifications

Communication mode	WiFi
Connector	USB
Frequency range	2.4GHz/5.8GHz
Connector for single charger	DC port
Operating temperature	0°C to 45°C
Storage temperature	-20 to 50℃
Dimensions	108×29×34mm(W×D×H)
Weight	0.05kg

◆ Congress Terminal

Top View

Front View

Rear View

Left Side View

Right Side View

◈ Charging Cabinet
CHG-10A

◆ Smart charger for 10 Li-ion battery packs

◆ Charging contacts are designed to prevent wrong-way insertion

◆ Green/Red LED indicators for charging status

◆ Automatic charge cut-off circuit to prevent overcharge

◆ Trickle charge will keep the battery at full capacity

◆ Fully charged battery packs may remain in the cabinet

◆ Charging time: 6 hours

◆ AC power supply: 100-240V, 50-60Hz

◆ Power consumption: 150W

◆ Dimensions: 344×415×87 mm(W×D×H)

◆ Net weight: 6.7 Kg
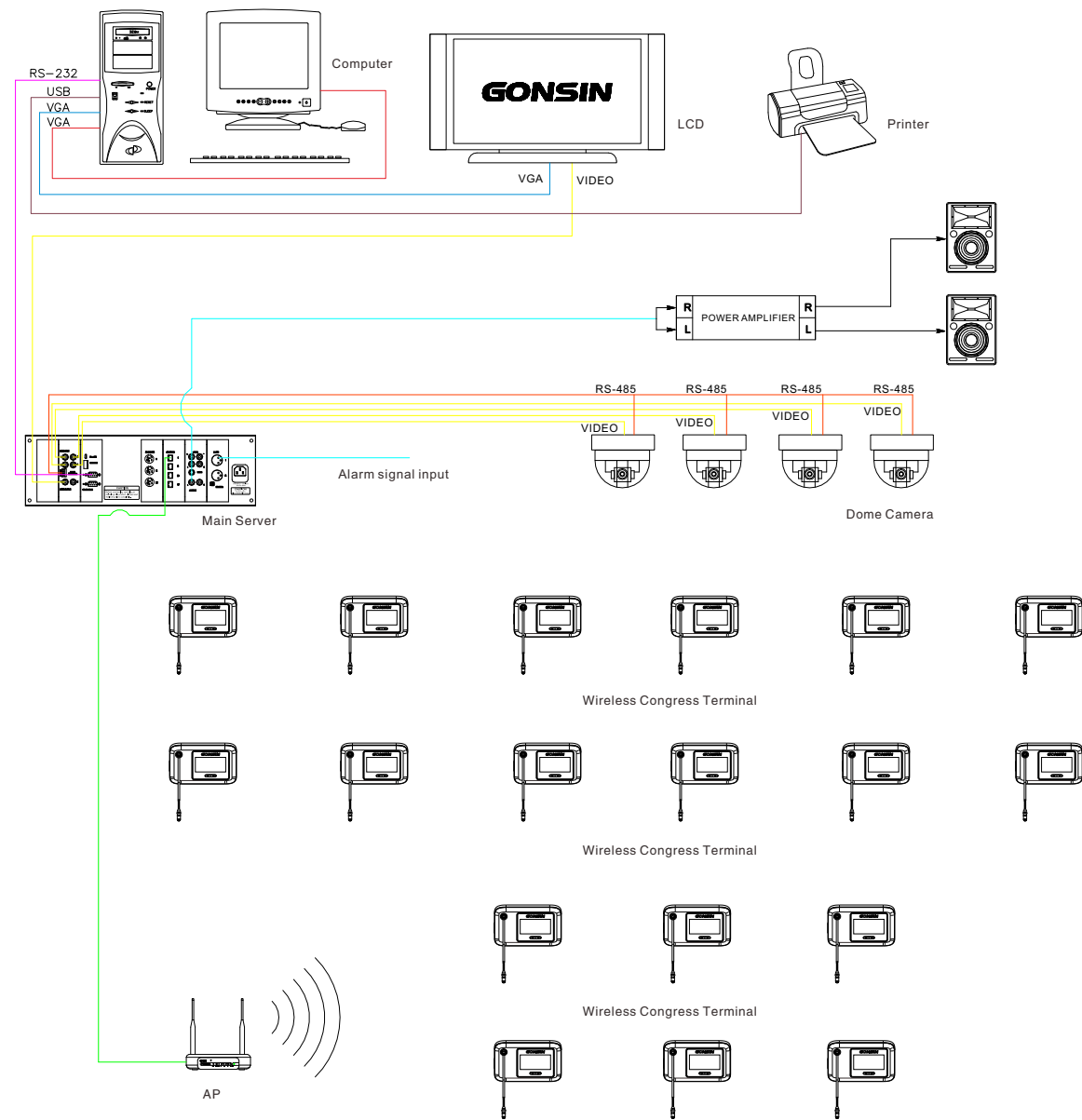
◈ Wireless DCS System Components

Model Number	DCS-1020D-WF	DCS-1020DV-WF	DCS-1020F-WF
Congress Server	Gonsin-10000	Gonsin-10000	Gonsin-10000
Chairman Terminal	DCS-1022CF-WF	DCS-1022CF-WF	DCS-1022CF-WF
Delegate Terminal	DCS-1022D-WF	DCS-1022DV-WF	DCS-1022DF-WF
WiFi converter	TR-10	TR-10	TR-10
Li-ion battery pack	BAT3300	BAT3300	BAT3300
Charging cabinet	CHG-10A	CHG-10A	CHG-10A
AP	AP	AP	AP
Headphone			TC-D3
Management Software	Optional	Optional	Optional
IC Card Encoder		GX-770	GX-770
IC Card		BL7442	BL7442

◈ System Configuration

Computer

RS-232
USB
VGA
VGA

LCD
Printer
VGA VIDEO

R L POWER AMPLIFIER R L

RS-485 RS-485 RS-485 RS-485
VIDEO VIDEO VIDEO VIDEO

Main Server
Alarm signal input
Dome Camera

Wireless Congress Terminal

Wireless Congress Terminal

Wireless Congress Terminal

AP