GONSIN

System diagram

SDI VIDEO
RS-232
RS-485 To RS-232 Converter
RS-485
SDI VIDEO
SDI to HDMI Converter
HDMI
GX-SDI0808
PROJECTOR
RS-232
GONSIN30000
RS-485
8P-D5
Audio
VGA
RS-232
USB
SDI VIDEO
GX-HD3300 ID:01
GX-HD3300 ID:02
next
VGA
HDMI
TV
POWER AMPLIFIER
Next wireless access point
WAP-30
Wireless access point
DCS-3021C-W
DCS-3021D-W

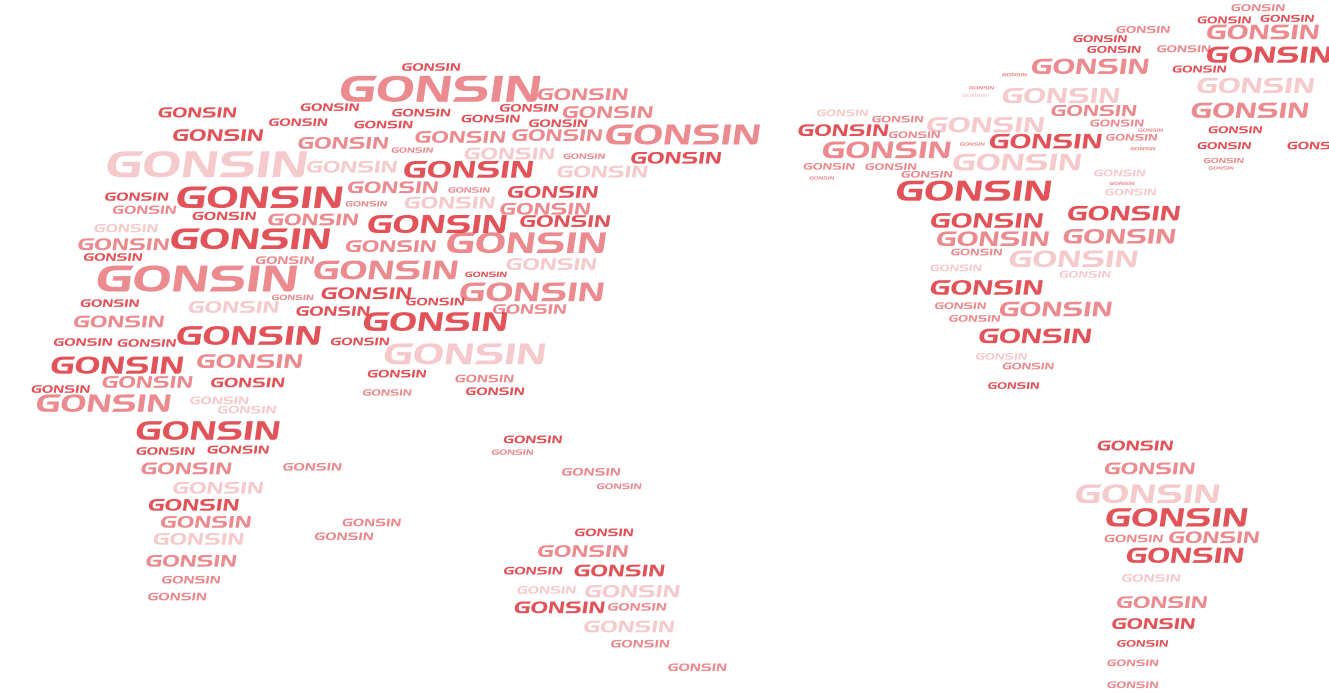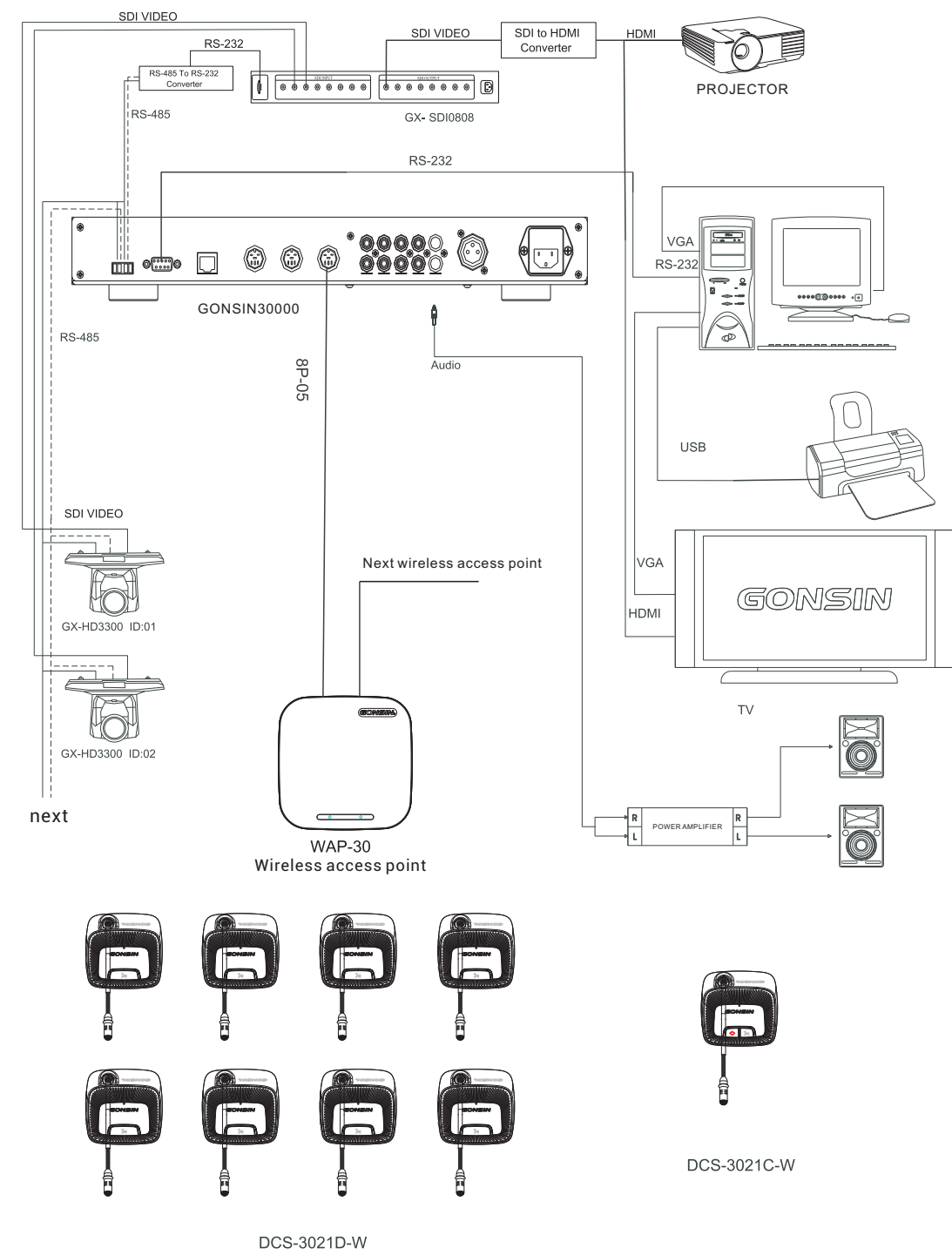
GONSIN®

DCS-3021 Wireless Congress System

DCS-3021
Wireless Congress System

System Features

- Modern-style design;
- 2.4 GHz frequency- hopping spread spectrum technology to allow the system to detect and select available frequency and avoid co-channel interference;
- In support of multiple systems to be used concurrently without mutual interference;
- Capability to process up to 500 devices within a large-sized wireless congress system;
- Small size, light weight, quick set up, easy carrying and removal;
- Terminals can be shut down via server.

DCS-3021-W
Congress Terminal

Main Features

- 2.4 GHz frequency- hopping spread spectrum technology;
- High definition CD-level sound quality;
- Consecutive battery use time (speak mode) ≥ 20 hours;
- Highly resistant to mobile phone interference;
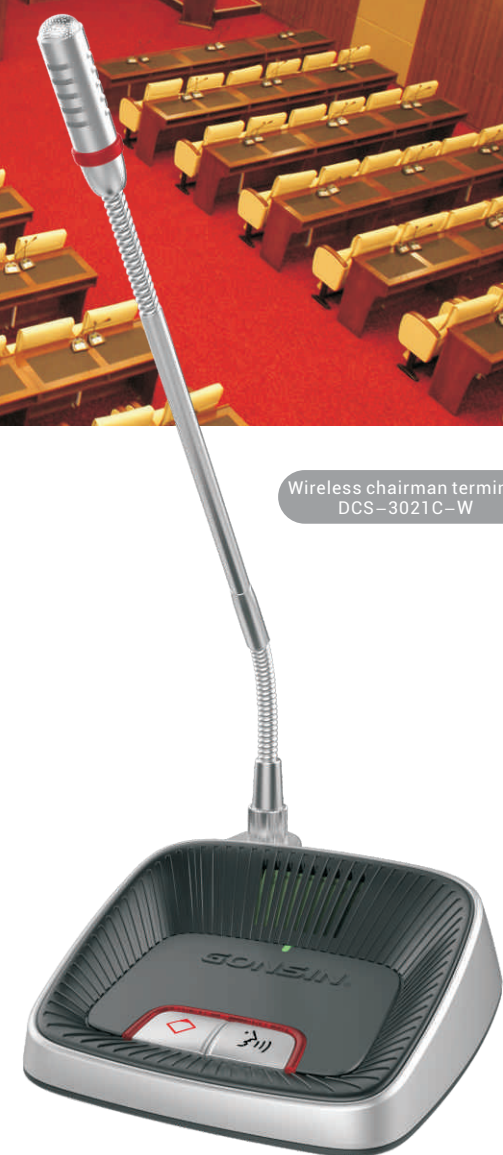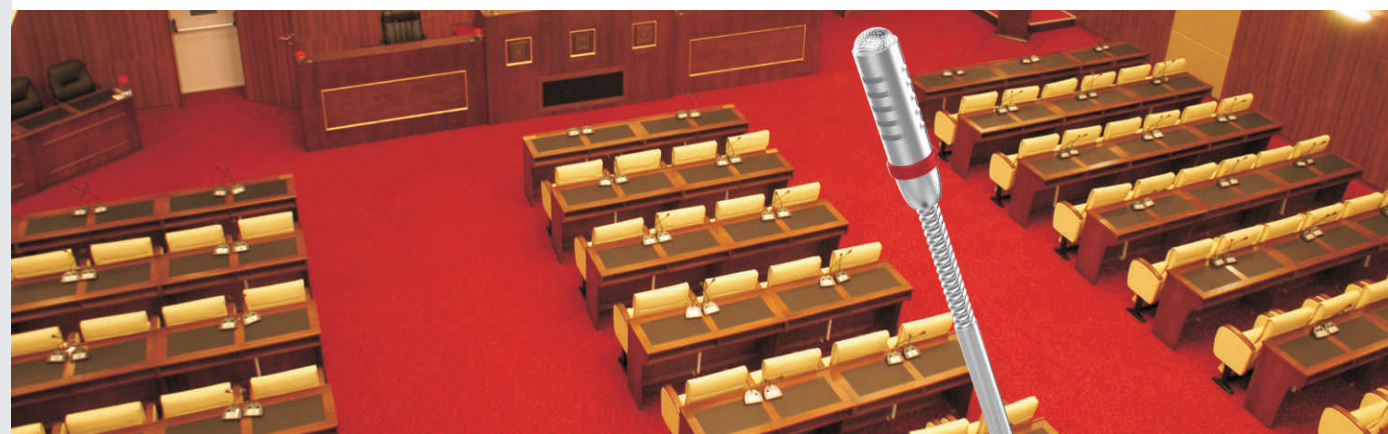- USB charging interface;
- Pluggable microphone stem.

Wireless delegate terminal DCS-3021D-W

Basic Functions

◆ Battery capacity detection;
◆ Low voltage alarm and automatic shutdown;
◆ ON/OFF button press-and-hold for terminal shutdown or startup;
◆ Indicators to show working status;
◆ Attendance: key press and supplementary registration;
◆ Microphone modes: AUTO and FIFO; Floor audio listening via headphone or built-in loudspeaker, volume adjustable;
◆ Supports automatic camera tracking, with preset panorama position; in support of SD and HD cameras;
◆ Micro USB charging interface, detachable lithium batteries for centralized charging.

Wireless chairman terminal
DCS-3021C-W

Technical Indicators

Communication	2.4 GHz frequency- hopping spread spectrum
frequency response	60Hz~15KHz
Sensitivity	-46dB±1dB
Working voltage	3.7V
Battery capacity	2600 mAH (lithium battery)
Consecutive battery use time (speak mode)	≥ 20 hours
Headphone jack	3.5mm jack (stereo)
Microphone stem length	310 mm
Dimensions	141×161×53 mm
Weight	0.5 kg
Working temperature	0~45°C
Storage temperature	-20~50°C

GONSIN30000 Congress Server

Main Features

◆ 2.4 GHz frequency- hopping spread spectrum;
◆ High-efficient digital audio lossless compression technology;
◆ With OLED display panel;
◆ Unified server shutdown function;
◆ Compact 1U chassis design.

Basic Functions

◆ 2.4 GHz frequency- hopping spread spectrum technology allows the server to auto-detect available 2.4GHz RF; when working with supporting software, the server adopts a reliable hopping mechanism to avoid co-channel interference;
◆ Digital audio lossless compression technology improves wireless carrier utilization rate, and avoids interference if multiple systems are used within the same building;
◆ Support 8×1 SD /8×8 HD automatic camera tracking;
◆ AUTO and FIFO microphone modes;
◆ Max four microphones can be activated at the same time (1 chairman terminal and 1/2/3 delegate terminals);
◆ Volume/tone adjustable;
◆ ID number writing available, to facilitate terminal management;
◆ Terminals can be shut down via server.

Technical Indicators

Capacity	500 terminals
Effective communication distance	30 m
Frequency response	60Hz~15KHz
Signal to noise ratio	≥75 dB (A-weighting)
Distortion	≤ 0.5% (total harmonic distortion: 50Hz~8KHz)
Max. audio output	LINE OUT: +20dBu
Interfaces	eight-pin socket x 1 (for connecting to WAP device) balanced audio output (XLR connector) x 1 non-balanced audio output (RCA connector) x 2 RJ-45 interface x 1 (for connecting to PC) RS-232 interface x 1(for controlling camera tracking video matrix) RS-485 bus interfaces x 1 group (for controlling cameras)
Power supply	AC110/220V±10%, 50~60Hz
Enclosure	19-inch standard cabinet
Dimensions	1U (340mm×420mm×45mm)
Weight	4 kg
Working temperature	0~45°C
Storage temperature	-20~50°C

WAP-30 Wireless Access Point

Main Features

◆ 2.4 GHz frequency- hopping spread spectrum;
◆ Strong signals to ensure communication;
◆ No interference if multiple systems are used at the same time.

Basic Functions

◆ Indicators to show working status;
◆ Power is supplied via the server;
◆ In support of wall mounting, rack installation, ceiling mounting, etc.

Technical Indicators

Communication means	2.4 GHz frequency- hopping spread spectrum
Interfaces	Eight-pin interface x 1 (for connecting to the server) Six-pin interface x 1 (for cascading interpretation system WAP)
Power supply	DC24V
Wireless signal coverage	30 m
Dimensions	260mm×260mm×68mm
Weight	1.2 kg
Working temperature	0~45°C
Storage temperature	-20~50°C

CHG-16 Charging Case

Main Features

◆ Charging LED indicator;
◆ Reverse polarity protection;
◆ Short-circuit protection;
◆ Battery capacity and charging current management in real time.

Basic Functions

◆ Smart management ensures safe and reliable charging; The real-time management for battery capacity and charging current prolongs battery life;
◆ Independent modularized charging circuit enables battery detection; this circuit does not work if no battery is detected;
◆ Charging up to 16 batteries at the same time; charging time: 5 hours;
◆ Red/green charging LED indicator.

Technical Indicators

Power supply	AC100~240V, 50~60Hz
Max. charging voltage	4.2 V
Power	106 W
Charging time	5 hours
Weight	6.7 kg (net weight), 7.4 kg (full load)
Dimensions	490mm×320mm×67.5mm
Working temperature	0~45°C
Storage temperature	-20~50°C