TL-3300

Digital Conference System

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English WeChat

General Description

TL-3300 digital conference system allows the delegate to speak, request to speak and listen to the speech. Each discussion unit comes with headphone jack and volume control for the delegate to listen to the floor audio, and adjust volume level for comfortable listening. 1 to 4 delegate microphones can be activated at the same time.

Main Features

◆ Highly resistant to mobile phone interference

◆ Supports HD video camera tracking

◆ Multiple chairman /vice-chairman units are allowed

◆ Pluggable gooseneck microphone

◆ Easily hidden unit connecting cables

TL-VX3300
chairman unit

TL-VD3300
delegate unit

Basic Functions

◆ Selectable microphone modes: AUTO / FIFO / OPERATOR/ Request(with software)

◆ Unlimited number of chairman microphones and vice chairmand microphones

◆ System supports hot plugging

◆ Three types of detachable gooseneck microphones

◆ Press key to register with software

◆ Control the speaking time with software

◆ Floor audio listening via headphone or built-in loudspeaker

◆ Attendance registration: key press and supplementary registration(with software)

◆ Units come with recording output

◆ Chairman unit can override/mute all the active delegate units

◆ Supports automatic video camera tracking with preset panoramic position

Chairman unit has below function besides the functions above

◆ Chairman units can be activated at any time

◆ Chairman unit has additional red priority button, which can override all active delegate units.

Compact structure design, easily hidden unit connecting cables, more beautiful appearance.

Technical Specifications

Mounting type	Tabletop
Frequency response	30Hz-20kHz
SNR	> 95dB
Max SPL	25 dB (THD<3%)
Dynamic range	> 85dB
Sensitivity	-46dB±4dB
THD	<0.3%
Power input	24V
Microphone length	Standard 410 mm, Optional 310/510mm
Headphone jack	Mono 3.5mm
Internal loudspeaker	4Ω/3W
Weight	0.75 kg
Dimensions	190×162×60 mm (W×D×H)
Operating temperature	0~45℃
Storage tempefrature	-20~50℃

Central Control Unit

The brand new design GONSIN central control unit adopts integrated tempered glass panel and navigational rotary knob design, clear layout and user-freindly. One central control unit is able to accommodate 60-70 microphones. By cascading extension units, the system can support upto 4096 conference units. The central control unit has built-in 4×1 SD video matrix, to support SD video tracking with adding SD cameras; it also supports extended HD video matrix. Built-in DSP digital audio processor is used for feedback prevention, when the sound environment is not ideal, turn on DSP function to avoid feedback. Built-in treble/bass compensation for better sound quality. VOX sensitivity, built-in loudspeaker volume and LCD screen contrast are adjustable by central control unit or by each unit. Unit ID number writing is also included.

◆ Features

◆ Black tempered glass panel design, simple and high-end design. All the function divisions are clearly layout and easy to operate.

◆ Built-in DSP processor for acoustic feedback prevention.

◆ Built-in OLCD screen to display system set status.

◆ VOX sensitivity adjustable.

◆ Built-in 4×1 SD video matrix, and support extended HD video matrix.

◆ Supportive SD and HD camera tracking.

◆ Built-in treble/bass compensation for better sound quality.

◆ Support clock and calendar function,

◆ Support plug-in USB disk for audio recording.

◆ Central Control Unit
TL-Z4

◆ Basic functions

◆ In compliance with IEC60914 international standard

◆ With full digital audio technology, built-in high-speed CPU and high-performance DSP digital audio processor, CD sound quality.

◆ Supports 48KHz audio sample rate, acoustic frequency response can up to 20Hz～20KHz.

◆ Black tempered glass panel design, simple and high-end design. All the function divisions are clearly layout and easy to operate.

◆ The sever comes with built-in OLED panel to display system status, active mic, speaking mode. Language supports Chinese/ English. Russia, Spanish can be customized.

◆ Navigation knob for more convenient operation and management

◆ 4 route port to connect conference units, the system has auto-repair function, support hot plug-and-play.

◆ One central control unit is able to accommodate 60-70 microphones. By cascading extension units, the system can support upto 4096 conference units.

◆ Universal voltage power switch for wider usable range and sufficient power supply.

◆ Support USB auto recording: after the front panel is inserted U disk, audio recording can be set automatically or manually. The recording status can be displayed in real time.

◆ Supports automatic video tracking (SD and HD), with preset panoramic position. Built-in 4×1 SD video matrix, to support SD video tracking without adding more device

◆ Input port for external audio signal: for alarm audio, PA, and other audio systems, the conference units can output audio signals synchronously.

◆ Internal clock and calendar, it will be displayed on central control unit, conference units.

◆ Built-in auto-detection fo conference units; before conferences, self-test can be run for each conference units.

◆ TCP/IP PC communication between central control unit and PC, which can achieve control management, remote fault diagnosis and remote update.

■ **Stand-alone Mode Functions:**

◆ ID number writing: the conference system supports automatically or manually assign ID to the corresponding equipment.

◆ All or individual units' VOX sensitivity are adjustable (apply to 5600 series)

◆ LCD screen contrast of Unit is adjustable (apply to 4200 series)

◆ Speaking mode: Operator, Auto, FIFO, VOX, request to speak (with software).

◆ VOX function: in VOX mode, the unit will be activated when user speaks; VOX sensitivity can be adjust by the server (high, middle, low); microphone time-out is adjustable (6-180 seconds).

◆ 1-4 delegate unit can be used simultaneously (except chairman unit); chairman/vice chairman unit are not subject to active mic limit, it's allowed to open at any time.

◆ The system can have multiple chairman units; delegate unit can be set as vice-chairman units. There are unlimited chairman and vice-chairman units.

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■ **Extended functions under PC and software control**

◆ Register function and real-time participants statistics.

◆ Centralized conference management, operator can allow or reject delegate request to talk.

◆ Speaking time limit can be preset for conference units; After the speaking time is up, the conference unit will be off.

◆ Conference audio recording and video recording(need audio video capture card)

◆ Delegate unit can be set to be vice-chairman units by software; vice-chairman unit is not subject to active mic limit.

◆ Support management software dual-system hot backup function; One control computer can be set as backup and connect to the system; if the current computer has faults, the backup computer can be automatically hosted to ensure the smooth and continuous meeting.

◆ Conference management software can be customized.

Technical Parameters

Max System Capacity	4096
Standard Capacity	60~70(different from various models)
Acoustic Frequency Response	20Hz~20KHz
SNR	>96dBA
Channel Isolation	>85dB
Dynamic Range	>94dB
THD	<0.05%
Power	AC100~240V，50/60Hz
Audio Port	1 balanced (XLR); 2 unbalanced (RCA)
Max Audio Output	LINE OUT : +20 dBu unbalanced
	BLANCE OUT : +20 dBu balanced
Output Impedance	>1KΩ
External Audio Input	0.775V (PHOENIX terminal)
Central Control Method	RS-232
PC Connection Method	TCP/IP
Camera Control Method	RS-485
Max Power Consumption	300W
Terminal Connection Port	8-pin×4
	13-pin×4 (for TC-Z4,TC-ZB4 only)
Channel selection	6 (for TC-Z4,TC-ZB4 only)
Display Screen	OLED (61mm×37mm)
Audio recording port	USB (USB: FAT32)
Audio recording File Size	0.8M/m
Active Delegate	1/2/3/4 (not including chairman unit)
VOX sensitivity	H/M/L (76dB/80dB/82dB)
Support Camera Number	4 SD cameras (built-in SD matrix), MAX 8 cameras with extended matrix
Video Input Port	RCA×4 (1Vp-p 75Ω)
Video Output Port	RCA×2 (1Vp-p 75Ω)
Camera Tracking Protocol	PELCO-P/PELCO-D/VISCA
Operating Temperature	-0~45℃
Storage Temperature	-20~50℃
Dimensions (L*W*H)	485mm×350mm×90mm
Installation	Desktop or 19" rack mounting
Weight	7.6Kg

◆ Extension Unit   ZJ-KR

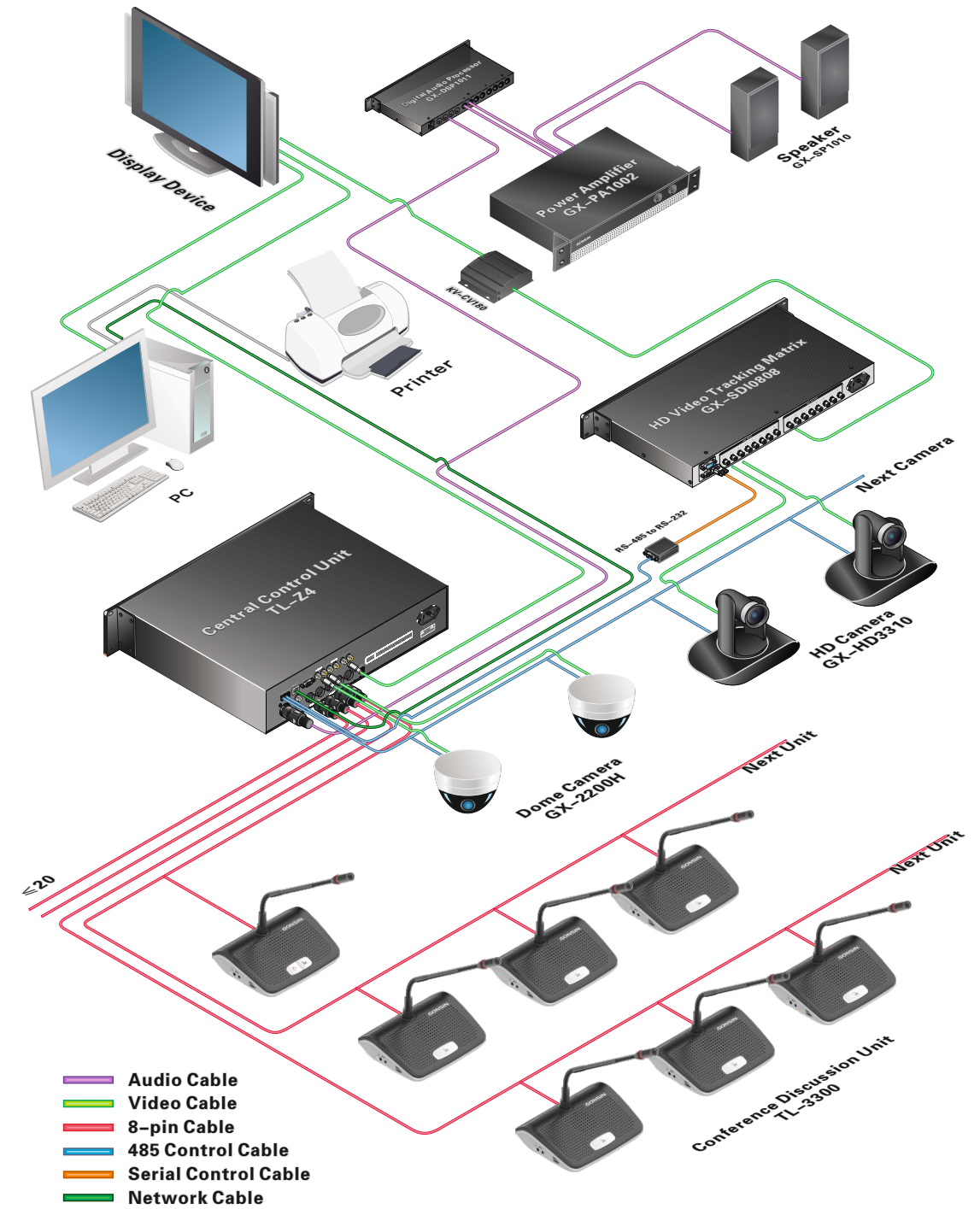## ◆ Basic functions

◆ Confirm to IEC 60914 international standard.

◆ With full digital audio technology, built-in high-speed CPU and high-performance DSP digital audio processor.

◆ Black tempered glass panel design, simple and high-end design. All the function divisions are clearly layout and easy to operate.

◆ Three routes 8-pin ports to connect conferenc units, another two route 8-pin port for system cascading.

◆ Three routes 13-pin ports to connect conferenc units, another two route 13-pin port for system cascading.

◆ Automatic restoration function: support hot plug and play.

◆ One central control unit is able to accommodate 60-70 units. By cascading extension units, the system can support upto 4096 conference units.

◆ Universal voltage power switch for wider usable range and sufficient power supply.

◆ Technical Specifications

Max System Capacity	4096
Standard Capacity	60~70(different from various models)
Power	AC100~240V 50/60Hz
MAX Power	300W
Terminal Connection Port	8-pin ×5 13-pin×5
Operating Temperature	0~45°C
Storage Temperature	-20~50°C
Dimensions (L*W*H)	485mm×350mm×90mm
Installation	Desktop or 19" rack mounting
Weight	7.6Kg

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Extension Cable
8PS-03/05/10/15/20/40

Color	Black
Type	8PS
Connectors	One male, one female
Length	3/5/10/15/20/40m

Note: Select in according to the conference demand

Connection Cable 8P-T3

Color	Black
Type	8PS
Connectors	Two male, one female
Length	1.5+1.2m

Note: one piece for one discussion unit

Serial Cable RS-232-5

Color	Black
Type	Db9
Connectors	Two male
Length	5m

Note: Used for server of conference discussion
     system and voting system

◆ System Configuration

Display Device

Speaker
GX-SP1010

Power Amplifier
GX-PA1002

Printer

HD Video Tracking Matrix
GX-SDI0808

Next Camera

PC

RS-485 to RS-232

Central Control Unit
TL-Z4

HD Camera
GX-HD3310

Dome Camera
GX-2200H

Next Unit

≤20

Next Unit

Conference Discussion Unit
TL-3300

	Audio Cable
	Video Cable
	8-pin Cable
	485 Control Cable
	Serial Control Cable
	Network Cable