

TL-3300

Desktop Digital Conference System

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◆ TL-3300 Desktop Digital Conference System

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

- ◆ Multiple chairman and vice-chairman units are allowed
- ◆ Electret cardioid directional microphone for richer tone
- ◆ Pluggable microphone with indicator ring
- ◆ Highly resistant to mobile phone interference
- ◆ Support automatic camera tracking function (SD and HD)
- ◆ Flexible installation for units connection (hidden or not), makes the assembly room more elegant

TL-VX3300
chairman unit

TL-VD3300
delegate unit



Basic Functions

- ◆ In compliance with IEC60914 international standard
- ◆ With LED indicator, show microphone turn on/turn off status
- ◆ Adopt physical knobs, sensitive with good touch, accurate operation response, long service life and without mechanical button sound
- ◆ Each unit adopts the T-shaped hand-in-hand connection, easy wiring, make convenient construction
- ◆ The connection cable of the unit can be pulled out from the bottom, and you can choose to install it hidden or not to ensure a clean desktop
- ◆ Automatic restoration function: supports hot plug
- ◆ Standard cardioid directional electret microphone with indicator ring, a variety of lengths of dual-hose gooseneck microphone optional (standard 410mm, optional 310mm / 510mm)
- ◆ Pluggable gooseneck microphone stem, convenient for equipment maintenance
- ◆ Highly resistant to mobile phone interference
- ◆ Built-in high-speed DSP digital audio processor, can filter out the sound of invalid low-frequency components, to avoid low-frequency impact sound, and enhance the clarity of the sound
- ◆ Unique ID number, the conference system supports automatically or manually assigns ID to the corresponding equipment.
- ◆ With \varnothing 3.5 mm headphone jack and adjustable volume
- ◆ The built-in \varnothing 3.5 mm recording jack can be connected to an external recorder, meeting the recording scenario
- ◆ Built-in speaker (3W), volume adjustable, reasonable sound cavity design for clear sound
- ◆ Attendance: key press and supplementary registration
- ◆ Optional HD video camera tracking matrix ,switcher or HD camera, can realize HD automatic camera tracking, supporting preset overall view
- ◆ 4×1+1 video matrix is built in the Central Control Unit, and standard definition video conference camera is selected, which can realize automatic camera tracking function of standard definition and support preset

overall view

- ◆ Discussion function: Operator, Auto, FIFO, VOX, request to speak(with software).
- ◆ 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. Numbers of chairman and vice-chairman units are unlimited.

The chairman unit has exclusive functions below:

- ◆ Chairman units can be activated at any time without presetting mic limit
- ◆ Chairman unit has priority key to override all active delegate units



◆ Technical Specifications

Mounting type	Desktop
Connection method	Dedicated 8-pin connector
Color	Black
Audio frequency response	20Hz~20kHz
Sensitivity	-46±4dBV/Pa
Equivalent noise level	20dBA(SPL)
Maximum sound pressure level	125dB(THD<3%)
THD	<0.05%
Signal to Noise Ratio	≥96dB
Microphone type	Electret cardioid directional microphone
Directionality	0°/180°:>20 dB(1kHz)
Microphone stem size	standard: 410mm, optional: 310mm/510mm
Input Impedance	2kΩ
Headphone / Recording Interface	Ø3.5 mm jack×2
Headphone Load	>16Ω
Headphone volume	10mW
Built-in speaker	3W/4Ω
Dimensions (L×W×H)	190×162×60mm(without stem)
Weight	750g
Power supply	24V
Maximum power consumption	<5W
Operating temperature	0~45°C
Storage temperature	-20~50°C

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-friendly. One central control unit is able to accommodate 60-70 microphones. By cascading extension units, the system can support up to 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 OLED 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.
- ◆ 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.
- ◆ Optional HD video camera tracking matrix ,switcher or HD camera, can realize HD automatic camera tracking, supporting preset overall view.
- ◆ 4*1+1 video matrix is built in the Central Control Unit, and standard definition video conference camera is selected, which can realize automatic camera tracking function of standard definition and support preset overall view.
- ◆ 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.

■ 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°C
Storage Temperature	-20~50°C
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



◆ Accessories



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

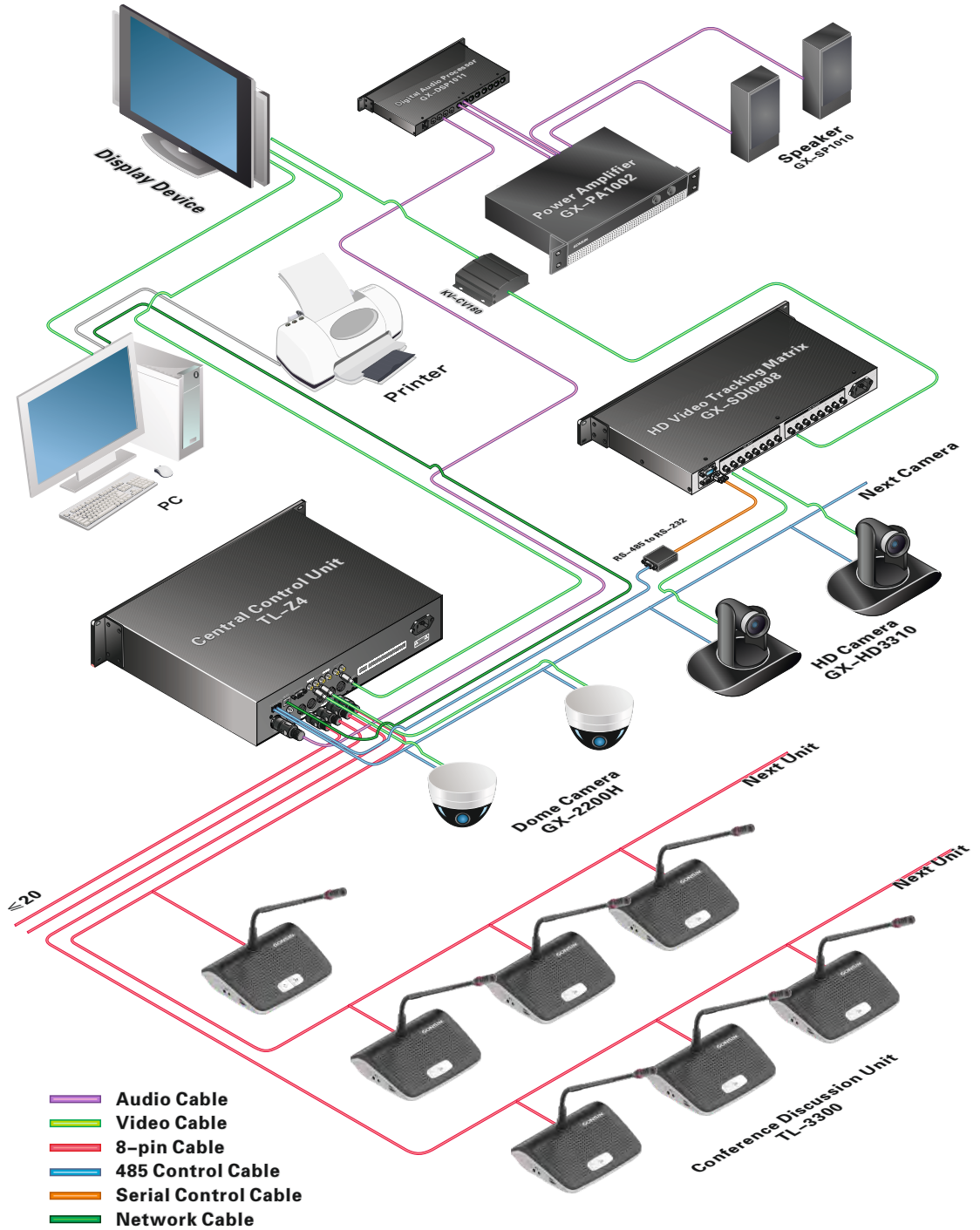
Color	Black
Type	8PS
Connectors	One male, one female
Length	3/5/10/15/20/40m
Note: Select in according to the conference demand	



◆ 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	

System Configuration



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English Wechat



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