GONSIN

TL-5500

Digital
Conference
System

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Digital Conference System

GONSIN TL-5500 digital conference system, designed for seat arm flush mounting, offers an all-in-one conferencing solution featuring microphone discussion, interacive voting, simultaneous interpretation, attendance registration, video tracking, audiovisual recording and software control.

Chairman Unit / Delegate Unit

Main Features:

- Compact design for seat arm flush mounting
- Highly resistant to mobile phone interference
- Channel selectors for interpretation listening
- Pluggable omnidirectional handheld microphone
- 5 buttons for voting and election

The conference unit allows the delegate to speak, request to speak, register attendance and cast a vote. Each unit comes with headphone jack and volume control for the delegate to listen to the floor audio and any interpreted language channel, and adjust volume level for comfortable listening. 1 to 4 delegate microphones can be active at the same time. Multiple chairman and vice-chairman units can be used in one system, and can be active at any time regardless of preset delegate mic limit. Chairman unit has the additional priority button to override all delegate units to control the conference.

Basic Functions:

- Microphone discussion: push to talk or request to talk. AUTO/FIFO/OPERATOR modes are available for microphone management.
- Language interpretation: 1+5 channels. Up/down buttons as channel selectors. Channel number is shown on LED. Headphone listening with volume control.
- Attendance registration: by REG key press.
- Voting: YES/ABST/NO. Vote counting and result display are enabled automatically by PC
    - Single-choice and multiple-choice voting
    - First keypress and final keypress voting
- Election: elect one or more out of N candidates, with 'competitive election', 'equal number election' and 'quick election'.
- Supports automatic video tracking, with preset panoramic position

Technical Specifications:

- Mounting type: chair armrest mounting
- Language interpretation: 1+5 channels
- Mic pick-up range: up to 20 cm
- Frequency response: 50Hz-18kHz
- S/N ratio: -95dB/1mV
- Sensitivity: -46dB±4dB
- Power input: 24V DC
- Microphone stem length: 165 mm
- Microphone length: 120 cm (including cord)
- Headphone and microphoe jack: mini 3.5mm
- Panel dimensions: 210×50x2 mm (W*D*H)
- Weight: 0.55 kg

TL-VXQC5500
TL-VDQC5500

TL-VXQCB5500
TL-VDQCB5500

Interpreter Console　TC-F06

- Digitally-controlled workstation designed for 6-channel interpretation system
- LCD screen to display the following information:
  1) Channel selection and confirmation
  2) Incoming/outgoing channel number
  3) All the occupied language channels
  4) Channel number of this unit
  5) Previous and present operation time
- Two different types of microphone can be used
  1) High quality gooseneck microphone
  2) Headset boom microphone
- Built-in loudspeaker with volume level control. Loudspeaker is automatically switched off when the microphone is turned on
- A/B/C pre-select incoming channels for relay interpretation.
- A/B pre-select outgoing channels for normal interpretation and retour interpretation
- Automatic channel interlocking function prevents the interpreters from using the same outgoing channel
- MUTE key to enable a brief muting of the microphone for cough cut
- Multiple interpreter consoles can be connected in a daisy-chain

Technical Specifications

- Frequency response: 50Hz to 18KHz
- Channel separation: > 85 dB
- Signal-to-noise ratio: > 90 dB
- Distortion at 1 KHz: < 0.1%
- Operating voltage: 24V DC
- Power consumption: 2.5W
- Maximum input power level: 7.5V
- Built-in loudspeaker: 8 ohms/2W
- Audio input/output: 2x MIC / 2x REC
- Standard mic stem length: 410 mm
- Operating temperature: 0℃ to 45℃
- Storage temperature: -20℃ to 50℃
- LCD screen:128x64 backlit
- Dimensions(HxWxD): 95x247x145 mm
- Weight: 1.2kg

Interpreter Headset　TC-D2

- Closed-ear stereo headset with mic
- Connectors: 3.5mm stereo plugs
- Impedance: 60Ω±15%
- Frequency response: 20Hz to 20KHz
- Sensitivity (1 kHz): -58±2dB
- Microphone type: Omni-directional dynamic
- Microphone sensitivity (1 kHz): -58±2dB
- Cord length: 2 metres

Headphone　TC-D3

- Ergonomic design
- Super heavy bass
- Frequency response: 20 Hz - 20 kHz
- Impedance: 32 ohms ±15%
- Sensitivity: 94dB ±3dB
- Maximum power input: 30mW
- Adjustable headband & soft foam ear pads
- 40mm drivers for dynamic stereo sound

Headphone

Interpreter Console　　　　Headset

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Central Control Unit

Main Features in stand-alone mode

- Provides power for up to 60 conference units
- 1 to 4 delegate microphones can be active simultaneously
- Selectable microphone mode: AUTO/FIFO/OPERATOR
- ID number writing for each unit using LCD on front panel
- 6 channels are available for simultaneous interpretation
- Automatic video tracking with panoramic position
- Built-in DSP processor for acoustic feedback prevention
- Built-in treble/bass compensation for better sound quality

Main Features under PC/software control

- Centralized conference management
- Operator can allow or reject delegate request to talk
- Speaking time limit can be preset for conference units
- Delegate unit can be set to be vice-chairman (VIP) unit
- Voting, Election, Quick Election, Evaluation
- Attendance registration using IC cards or REG button
- Conference audio recording and video recording

Technical Specifications:

- Standard 2U housing for 19" rack mounting
- Basic system capacity: 60-70 conference units
- Connection of conference units in up to 4 lines
- Each line connects up to 25 conference units
- Cable length is up to 100 metres for each line
- RS485 repeaters can be connected to extend cable length
- Active delegate microphone limit: 1/2/3/4
- PC communication: RS232 / Ethernet
- Video camera communication: RS485
- Video camera supported: up to 4
- Video tracking protocol: Pelco-P9600 / Sony-VISCA
- AV matrix switcher input: RCA x 4 (1Vp-p, 75Ω)
- AV matrix switcher output : RCA x 2 (1Vp-p, 75Ω)
- MIC IN: 6.5mm jack, 0.775V
- REC OUT audio output: 0-2.8V Vpp
- S/N ratio: -95dB
- Power supply: 110/220V, 50/60Hz, ±10%

- Maximum power: 300W
- Operating temperature: 0℃ to 45℃
- Storage temperature: -20℃ to 50℃
- Dimensions (W*D*H): 485×325×90mm
- Weight: 14 kg

Central Control Unit

TC-Z3 / TC-ZB3

Extension Unit   ZJ-KR

ZJ-KR extension unit connects the central control unit via a 13P2-01 expander cable. Multiple units can be cascaded together to support 200 conference units on one central control unit.

Technical specifications:

- Power Supply: 220VAC±10%, 50Hz
- Maximum Power: 300W
- Standard capacity: 60-70 conference units
- Operating temperature: 0℃ to 45℃
- Storage temperature: -20℃ to 50℃
- Dimensions: 485×90×325mm (W×H×D)
- Weight: 14 kg

Extension Unit

Digital Conference Management System V5.0

Supporting Windows XP/Vista/2003 operating system, the V5.0 conference system management software is designed for system configuration, device setup, conference preparation, conference control, and post-event report, offering more features and easier operation for intelligent and highly effecient conferencing solutions.

Modules and functions:

User management
Selectable skins
Device setup
Conference management
Delegate information
Conference venue design
Seating arrangement
IC card management
Screen management
Topics management
Speech script display
Video camera control
Chairman control option
Audio/video recording

Post-event report
Software/CCU hot standby mode
Attendance registration
  - Register by IC card or keypress
  - Dynamic mode and countdown mode
Microphone Management
  - Synoptic microphone control
  - Mic modes: Request/Speech/Free
  - Multiple options for screen/seat modes
Voting Management
  - Multiple voting types
  - Open/secret/weighted voting method
  - Dynamic/countdown voting mode
  - First/final keypress mode
  - Vote result display modes

onference Terminal Feature Chart

Model Number	Product Description	Handheld Microphone	Voting Facilities	Channel Selector	Phone Jack	Volume Control
TL-VXQC5500	Chairman Unit	√		√	√	√
TL-VDQC5500	Delegate Unit	√		√	√	√
TL-VXQCB5500	Chairman Unit	√	√	√	√	√
TL-VDQCB5500	Delegate Unit	√	√	√	√	√

System Components

System Model No.	TL-VQC5500	TL-VQCB5500
Central Control Unit	TC-Z3	TC-ZB3
Extension Unit	ZJ- KR	ZJ- KR
Chairman Unit	TL-VXQC5500	TL-VXQCB5500
Delegate Unit	TL-VDQC5500	TL-VDQCB5500
Interpreter Console	TC-F06	TC-F06
Interpreter Headset	TC-D2	TC-D2
Single Earphone	TC-D1	TC-D1
Management Software	V5.0 (optional)	V5.0 (required)
T-type connection cable	13P-T3	13P-T3
Extension cable	13PS	13PS

System Connection Diagram