5GHz Wi-Fi Wireless AP Conference System GEN-CCW2

Features:

- Digital ring network technology achieve full-digital signal transmission and processing
- One CAT6 cable to transmit up 64 channels audio and other signals
- All microphone units support audio, ID independent output. Working with voice recognition system to achieve voice role separation
- High-fidelity sound quality by lossless audio transmission technology, 48K audio sampling rate and 20Hz ~ 20KHz frequency response
- A single conference controller can realize the independent control and merging of 4 conference rooms, can handle the cascade of multiple conference controllers to realize the merging and separation of larger conference rooms (Optional)
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly no matter changing discussion unit or having any malfunctioned units
- The sensitivity of the unit microphone and 8 segment equalizer EQ adjusted independently
- Conference controller can output 16 segment equalized EQ to achieve sound field adjustment; pressure limit, which can recognize the noise gate passed by human voice. AGC automatic volume gain control; AFC automatic feedback suppression and auto-mix technology
- Sound output by separated zones function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle
- Echo cancellation, remote two-way real-time call with another conference controller or another third-party video conferencing terminal
- USB recording, controller monitor, advanced noise cancellation technology to realize clearer recording.
- System date, time management, and support count-down speech
- Optional DANTE output module with other DANTE equipment used
- Can drive 2x120W POE speaker, through extension main unit, support up to 16 POE speakers
- Both wired/wireless discussion units can connect to the controller, fast and easily to adding delegate of meetings

- Up to 8 wireless microphones to be turned on at the same time, adaptive avoiding interference technology to achieve stronger anti-interference ability, compliance with IEEE 802.11n standard Wi-Fi both for 5GHz
- 2 channel audio input, XLR or RCA type, for local audio input or remote video-conferencing input
- Maximum 8-channel audio output, XLR, RCA or Phoenix type, can be connected to simultaneous interpretation output or partitioned output
- Add the audio input box, the system can be connected to other condenser microphones or dynamic microphones, more choices for users
- Built-in multi-way internal communication function
- TCP/IP connection between controller and PC
- RS232 central control, realize microphone switch, priority, volume and other controls
- RS232 or RS485 to send the PELCO/VISCA protocol to realize camera auto-tracking function
- Hot plug-and-play, and auto-recovery function
- Wide range of voltage from 100V~240VAC
- By using RFID card to identify, can realize voting with names
- LCD display to show all the operations and results
- 4-Way button for menu operate
- One-button press to start recording
- light indicator
- Master volume control knob

Interfaces:

- Front panel USB recording interface
- 3.5mm headphone for monitoring
- 1x RCAaudio input
- 1x XLR audio input
- 1x RCAaudio output
- 1x XLR audio output
- 6x Phoenix audio output connector
- 2x RJ45 digital audio connection
- 2x RJ45 for chairman unit, delegate unit, unit translators and other connection
- 1x DB9 male interface for external control
- 1x DB9 female interface for camera
- 1x three-pin phoenix interface for camera control keyboard
- 1x RJ45 for Network Connection

Parameter	Specification
Power Supply	100V / 240V AC
Static Power Consumption	12 W
Maximum Power Consumption	150 W
Frequency Response	20 Hz ~ 20 kHz
Signal to Noise Ratio (S/N)	> 96 dBA
Total Harmonic Distortion (THD)	< 0.05%
Channel Crosstalk	> 85 dB
Dynamic Range	> 94 dB
RS-232 Control	1 × 9-pin Sub-D female, 1 × 9-pin Sub-D male
Ethernet Control	RJ45 (connected to PC)
PC Communication Method	TCP / IP
Camera Control Method	RS-232 / UDP
Camera Tracking Protocol	PELCO-P / PELCO-D / VISCA
Network Interface	RJ45
Display	LCD 1602
Maximum Audio Inputs	LINE IN 1: +10 dBuLINE IN 2: +10 dBu
Maximum Audio Outputs	LINE OUT 1: +12 dBu (Balanced)LINE OUT 2: +12 dBu (Balanced)LINE OUT 3: +12 dBu (Balanced)LINE OUT 4: +12 dBu (Balanced)
Output Impedance	> 1 kΩ
Limit on Number of Speakers	1 / 2 / 4 (Max 6 persons)
Mounting	19" Standard Rack
Operating Temperature	0 ℃ ~ 45 ℃
Storage Temperature	−20 ℃ ~ 50 ℃

Wireless Touch Screen Unit GEN-DUW2

Features:

- 4.3-inch capacitive color touch screen with stylish and low-profile design
- Built-in NFC card reader for quick identification of participants
- All-in-one touch screen conference unit can be configured into one chairman unit, delegate unit, VIP unit or dual delegate unit according to the different needs of each meeting
- The integration of 5G WiFi wireless and wired network, dual connection to communicate makes the meetings be not interrupted
- Three charging methods: replaceable battery power supply, microphone base charging, wired POE network charging. The battery intelligent visual management is carried out in three ways: unit display screen, web server and PC software
- Wireless communication, setting up all system in few minutes to be ready for using, and put them away in short time as well
- Detachable battery pack is easy to replace and charge. The battery can provide 20 hours of runtime after it is fully charged
- Internal high-fidelity loudspeaker
- Pluggable microphone and long-range sound pickup ability, support different length of microphone.
- Head-set interface in both sides with volume adjust
- Line-in interface which allows microphone or other line-in device like cell phone, laptop to pass audio through to perform teleconference
- Full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices
- The unit showing time/date on the screen. Timer on display to set certain time for each delegate to speak, will remind user or close the MIC automatically
- Easily expand functions by setting software modules

- Standard Wi-Fi technology is compatible with other Wi-Fi networks, support 5GHz on all channels
- Full-digital transmission and processing technology in uncompressed audio, professional microphone to achieve perfect sound quality at 20Hz ~ 20KHz
- 128 bits digital encryption technology, with WAP2 secure connection, MAC address filtering, SSID-hiding to prevent wiretapping and unauthorized access from delegate unit
- One AP can work with more than 40 wireless units, and more units can be connected by extension APs
- 6 wireless units can be activated at the same time by the users
- Support more AP working together to increasing the Wi-Fi coverage range for wireless MIC units working in a large conference room or multi-rooms
- With our HD PTZ camera and video matrix switcher, using RS485 or RS232 protocol to send the PELCO/VISCA protocol to realize camera auto-tracking function
- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two color LED indicator
- Button for MIC ON/OFF, Priority & Apply Answer button for chairman unit λ Built-in high-fidelity speakers, it automatically mutes to prevent howling when press MIC ON λ Head-set interface in both sides with volume adjustment.
- AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Cancellation)/ Mix (Auto-Mix) technology
- Build-in functions for intercom
- Contains five optional function modules:
  - ✓ Voting: three-button / two-button voting
  - ✓ NFC identification: Sign in with NFC card to accurately identify user information.
  - ✓ Simultaneous interpretation channel: There are 2 language channel selectors and each selector has 64 languages independent selection
  - ✓ Dual users: Support two participants sharing one unit to achieve camera tracking at two locations; enabling two delegates to vote on one unit
- Without using PC software, our conference controller still owns following settings:
  - ✓ Limit on the number of speaking persons: By Setting the number of active units at the same time (Number is 1/2/4/6/ units)
  - ✓ Discussion modes: "OPEN" Free for all, limited by the active units setting by controller, "OVERRIDE" First in First out, "VOICE" Can activate MIC by detecting sound without press button, "APPLY" To apply then to speak
- The unit showing real time on the screen, and count-down timer for speaking person
- Detachable battery pack is easy to replace and charge. The battery can provide 20 hours of runtime after it is fully charged. Power-saving technology enables the microphone to be continuously used for 20 hours and standby for 35 hours
- Combined with camera and camera tracking controller, it has an automatic camera tracking function.
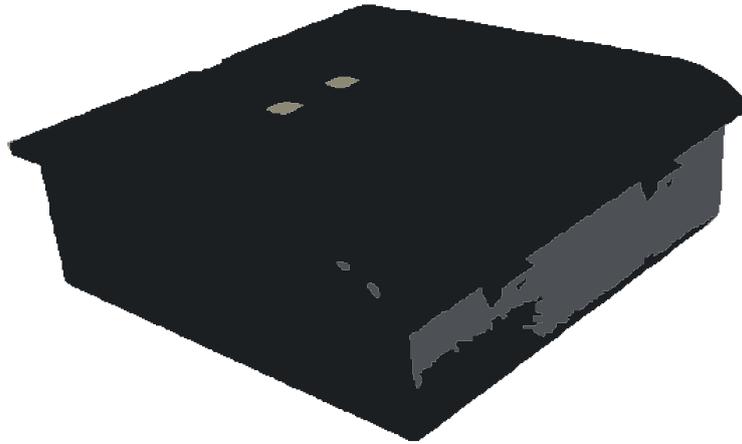- Built-in MCU, support wireless upgrade of all units

- With voice control function, you can adjust the sensitivity of voice control, intelligently turn on the microphone and set the off time
- Added Type-C interface and side charging contacts for mobile device charging
- Microphone with two color LED ring, red indicates speaking status, green indicates request to speak.
- 4.3-inch capacitive touch display
- Indicator for Volume adjustment
- Indicator for MIC ON/OFF Chairman unit with priority button and consent button for the delegates
- Power ON/OFF button is hiding on the left side

Interfaces:

- Pluggable gooseneck microphone base
- 2x 3.5mm stereo headphone jack
- 1x 3.5mm stereo input jack
- 2x RJ45 connectors
- Contactor for battery pack
- DC Connector for power adaptor

Parameter	Specification
Screen Size	109.22 mm (4.3 inches)
Resolution	800 × 480
Screen Type	Capacitive, color, multi-touch
NFC Card Standard	ISO / IEC 14443 Type A (contactless)
Connection Method	CAT5 / CAT6 cable + Wi-Fi wireless + buckle
Sound Pickup	Cardioid (heart-type) condenser
Installation	Desktop
Parameter	Specification
Power Supply	48 V DC
Power Consumption (Power Saving Mode)	1.4 W
Maximum Power Consumption	3.8 W (wired + wireless connected)
Frequency Response	20 Hz ~ 20 kHz
Total Harmonic Distortion (THD)	< 0.1%
Dynamic Range	> 90 dB
Signal-to-Noise Ratio (S/N)	≥ 96 dB
Parameter	Specification
Nominal Microphone Input	80 dB SPL (IEC 60914)

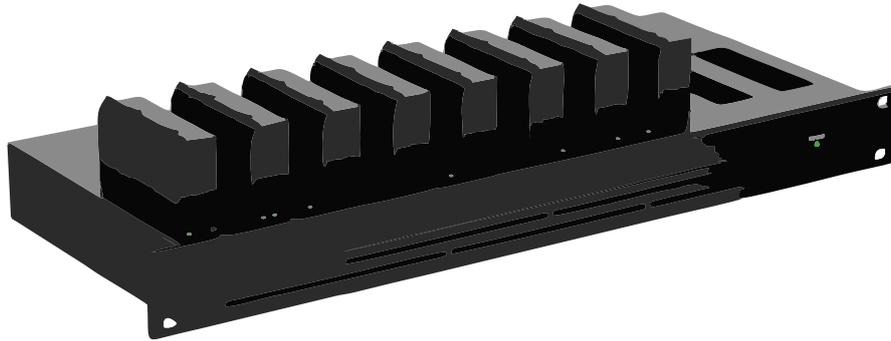| Parameter	Specification
Maximum Sound Pressure Level	125 dB SPL (THD < 3%, IEC 60914)
Microphone Sensitivity	–46 dBV / Pa
Input Impedance	2 kΩ
Parameter	Specification
Headphone Load	16 Ω
Headphone Output Power	10 mW
Headphone Jack	3.5 mm stereo
Parameter	Specification
Main Material	ABS
Parameter	Specification
Operating Temperature	5 °C to +55 °C
Relative Humidity	< 90% (non-condensing)

Rechargeable Battery pack for wireless Unit GEN-WBTY2

Features:

- Long life and lasting stability of charging performance
- After fully charged it can use 20 hours (with power save mode)
- Four hours needed to fully charge
- Efficient lithium batteries
- 6 charging contacts, support standing charging
- Contactor by pop-up pins
- Buckle housing to prevent poor contact or dropping

Parameter	Specification
Battery Model	GEN-WBTY: 5000 mAh GEN-WBTY2: 6500 mAh
Output Voltage	7.2 V DC
Weight	240 g
Operating Temperature	−20 ℃ to +60 ℃

Charging Station for Battery GEN-WCH2

Features:

- 4 hours needed to fully charge
- Integrate web page to get the battery status remotely
- MAX 10pcs battery charging at one time
- Wide range power input: 100V~240VAC
- Buckle housing to prevent poor contact or dropping, light in weight for easy moving
- Contactor by pop-up pins

Parameter	Specification
Input Voltage	100 ~ 240 V AC, 50 ~ 60 Hz
Output Voltage	7.2 V DC / 1000 mA
Power Consumption	20 W
Dimensions (mm)	530 (L) × 200 (W) × 52 (H)
Weight	2 kg

Carry Case GEN-WCT2 For 10 pcs conference units + 10 pcs gooseneck mics

Pluggable gooseneck Microphone GEN-MXXX

Item	GEN-M600	GEN-M485	GEN-M410	GEN-M330	GEN-M220
Directivity	Cardioid	Cardioid	Cardioid	Cardioid	Cardioid
Microphone Type	Condenser	Condenser	Condenser	Condenser	Condenser
Sensitivity	–46 dBV / Pa	–46 dBV / Pa	–46 dBV / Pa	–46 dBV / Pa	–46 dBV / Pa
Frequency Response	30 Hz ~ 20 kHz	30 Hz ~ 20 kHz	30 Hz ~ 20 kHz	30 Hz ~ 20 kHz	30 Hz ~ 20 kHz
Equivalent Noise	20 dBA (SPL)	20 dBA (SPL)	20 dBA (SPL)	20 dBA (SPL)	20 dBA (SPL)
Signal-to-Noise Ratio (Ref.)	≥ 96 dB	≥ 96 dB	≥ 96 dB	≥ 96 dB	≥ 96 dB
Maximum SPL	125 dB (1 kHz, THD < 3%, 1 kΩ load)	125 dB	125 dB	125 dB	125 dB
Conference Unit Connection	Mini 6-pin	Mini 6-pin	Mini 6-pin	Mini 6-pin	Mini 6-pin
Input Impedance	2 kΩ	2 kΩ	2 kΩ	2 kΩ	2 kΩ