



## AC Series Conference System





## AC Series Conference System



### Technical Specifications

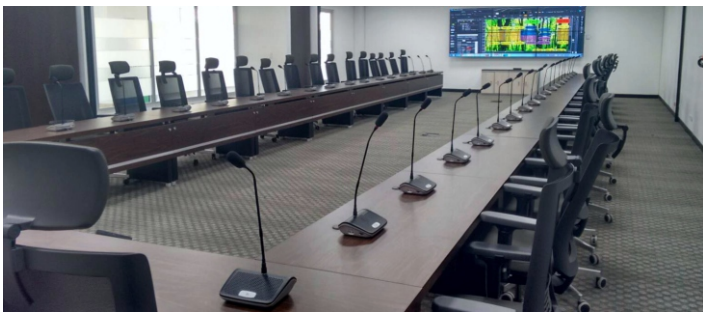
Max Delegates per Unit	60~70 units
Max Delegates per System	4096 units
Frequency Response	20 Hz ~ 20 kHz (-3 dB @ nominal)
Total Harmonic Distortion (THD)	< 0.05%
Channel Crosstalk	> 85 dB
Signal to Noise Ratio (S/N)	> 96 dBA
Dynamic Range	> 94 dB
Audio Output (Line 1)	+20 dBu Balanced; XLR (M)
Audio Output (Line 2)	+20 dBu Unbalanced; RCA
Output Impedance	> 1kΩ
Audio Input	0.775V Unbalanced; Screw Terminal
Delegates Connection	4 nos. 8-pin DIN
PTZ Camera Control	RS-485, Screw Terminal PELCO-P / PELCO-D / VISCA
Camera Input	4 nos. SD cameras (8 nos. max with extension unit)
Video Input	4 nos. RCA (1V p-p, 75Ω)
Video Output	2 nos. RCA (1V p-p, 75Ω)
Interface	RS-485 / RS-232: 9-pin D-Sub (M) & (F) Ethernet: RJ45
Display Screen	OLED (61 x 37 mm)
USB Interface	FAT32 (Audio File Size: 0.8Mb/min)
Power Requirements	110~240VAC, 50/60 Hz; 12W (Idle) /300W max.
Operating Temperature	0°C ~ 40°C;
Operating Humidity	Humidity 10~85% (Non-Condensing)
Dimensions (WxHxD)	485 x 90 x 350 mm
Weight	7.6 kg

### ACC60 Central Controller Unit

- ❖ 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 48 kHz audio sample rate, 20Hz~20KHz acoustic frequency response.
- ❖ Black tempered glass panel design, simple and elegant. System functions are clearly layout and easy to operate.
- ❖ The server comes with built-in OLED panel to display system status, active mic, speaking mode. Language supports Chinese/ English (Optional Russian & Spanish version available).
- ❖ Navigation knob for convenient operation and management.
- ❖ 4 route port with auto-repair function to connect conference units. Supports hot plug-and-play.
- ❖ One central control unit is able to accommodate 60-70 microphones. By cascading extension units, the system can support up to 4096 conference units.
- ❖ Universal voltage power switch for wider usable range and sufficient power supply.
- ❖ Support USB auto recording: Front panel slot for USB Thumb drive for audio recording (Automatic or Manual mode)6. The recording status can be displayed in real time.
- ❖ Supports automatic video tracking (SD and HD), with preset panoramic position. Built-in 4x1 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 displayed on central control unit and delegate units.
- ❖ Built-in auto-detection for delegate units; self-test can be performed for each delegate unit upon start up.
- ❖ TCP/IP PC communication between central control unit and PC for control management, remote fault diagnosis and remote update.



## AC Series Conference System



### 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 (audio & video capture card required).

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

Support management software dual-system comes with hot backup function. One control computer can be set as backup and connect to the system; if the current computer fails, the backup computer will automatically becomes the host to ensure the smooth and continuous meeting.

### Stand-alone Mode Functions:

ID number writing: the conference system supports automatic or manual ID assignment to the equipment.

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

1-4 delegate units can be used simultaneously (except chairman unit); chairman/vice chairman unit are not subject to active delegate limit. It is allowed to join 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.



## ACE60 Extension Unit

- ❖ Conforms to IEC 60914 international standard.
- ❖ Fully 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 conference units, another two route 8-pin port for system cascading.
- ❖ Three routes 13-pin ports to connect conference 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 up to 4096 conference units.
- ❖ Universal voltage power switch for wider usable range and sufficient power supply.

### Technical Specifications

Max Delegates per Unit	60~70 units
Max Delegates per System	4096 units
Delegates Connection	5 nos. 8-pin DIN
Main Unit Connection	5 nos. 13-pin DIN
Power Requirements	110~240VAC, 50/60 Hz; 12W (Idle) /300W max.
Operating Temperature	0°C ~ 40°C;
Operating Humidity	Humidity 10~85% (Non-Condensing)
Dimensions (WxHxD)	485 x 90 x 350 mm
Weight	7.6 kg



## AC Series Conference System



**ACU01C**  
Chairman Unit

**ACU01D**  
Delegate Unit

### Technical Specifications

<b>Frequency Response</b>	20 Hz ~ 20 kHz (-3 dB @ nominal)
<b>Sensitivity</b>	-46 dBV / Pa
<b>Microphone</b>	Cardioid Condenser 2-Section Gooseneck
<b>Input Impedance</b>	2 kΩ
<b>Signal to Noise Ratio (S/N)</b>	> 95 dB
<b>Dynamic Range</b>	> 85 dB max (THD <3%)
<b>Power from Controller</b>	24 VDC, max. 3W
<b>Interface</b>	8-pin DIN
<b>Request to Talk</b>	Back-lit Push Button
<b>Headphone Output</b>	3.5 mm stereo, 10 mW
<b>Headphone Impedance</b>	16Ω
<b>Operating Temperature</b>	0°C ~ 55°C;
<b>Operating Humidity</b>	Humidity 10 ~ 85% (Non-Condensing)
<b>Dimensions (WxHxD)</b>	190 x 162 x 60 mm
<b>Weight</b>	0.75 kg

### ACU01C Chairman Unit

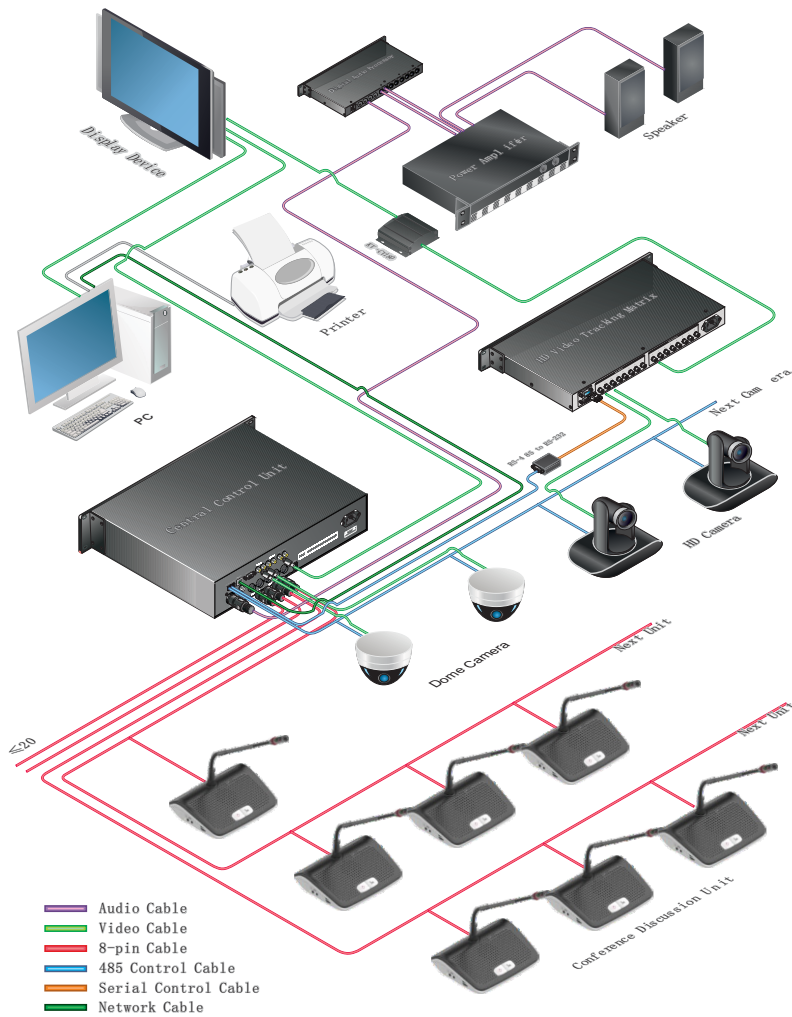
### ACU01D Delegate Unit

- ❖ High resistance to RF interference from cell phone or similar devices.
- ❖ Supports HD video camera tracking.
- ❖ Multiple chairman /vice-chairman units are allowed.
- ❖ Pluggable gooseneck microphone.
- ❖ Unobstrusive cable design to avoid cable exposure.
- ❖ Selectable microphone modes: AUTO / FIFO / OPERATOR/ Request to speak (with software).
- ❖ Unlimited number of chairman microphones and vice chairman microphones.
- ❖ System supports hot plug & hot swap.
- ❖ Three types of detachable gooseneck microphones.
- ❖ Press key to register with software.
- ❖ Control the talk time with software.
- ❖ Floor audio listening via headphone or built-in loudspeaker.
- ❖ Attendance registration: key-press and supplementary registration( with software).
- ❖ Delegate 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 units can join the discussion at any time.
- ❖ Chairman unit has additional PRIORITY button to override all active delegate units.



## AC Series Conference System

### System Configuration



### Accessories



Extension Cable  
(3m/5m/10m/15m/20m/40m)



Delegate Connection Cable



Serial Cable