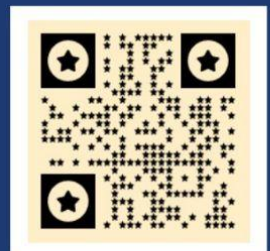


# TRISTAR



[www.tri-star.co.in](http://www.tri-star.co.in)

## TRI-ACV-CPD-1003



### Features:

- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing.
- One CAT5e 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 thsse 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). Ability to group and control 4 independent microphone line.
- "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 zone's function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle.

\* Note: These specifications are subject to change without any prior notice.



- Echo cancellation, remote two-way real-time call with another conference controller or another third-party video conferencing terminal.
- Memory capacity: USB memory ROM 32Gb internal CPU with RAM memory, 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.
- Optional 4th output RJ45 port for chairman unit, delegate unit, translation unit and other microphones. The 4th port is above the audio link port.
- Can drive 2x120W POE speaker, through extension main unit, support up to 16 POE speakers.

## Functions:

- Compliance with IEC 60914, GBT 15381-94
- Connect with TRI-ACV-MEXM-4030 full-digital extension main unit, it can expand to 5200 discussion units.
- "Hand-in-Hand-Loop-Network" connection and the system assigned to each unit independently ID to avoid ID conflict.
- 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 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

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- 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), supports up to open 32 wired microphones in full-on mode.
  - Discussion modes:

"**OPEN**" Free for all, limited by the active units setting by controller, "**VOICE**" Can activate MIC by detecting sound without press button, "**OVERRIDE**" First in First out, "**APPLY**" To apply then to speak, "**PTT**" Press to speak (Optional), "**ALL**" Full open mode(Optional).

- Voting function: Approve/Abstain/Object
  - Chairman unit has priority to close all other units or mute them temporarily.
  - Chairman unit can consent the application for speaking from delegate.
  - Simultaneous language interpretation
- With PC software to add more ways of voting:
  - Approve/Object
  - Approve/Abstain/Object
  - Level: 1/2/3/4/5
  - Ranking: --/-/0/+/>++
- By using RFID card to identify, can realize voting with names`

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### **Technical parameters- TRI-ACV-CPD-1003:**

| Parameter                 | Value   |
|---------------------------|---|
| Power                     | 100V / 240V AC  |
| Static power consumption  | 12W   |
| Maximum power consumption | 150W  |
| Frequency Response        | 20Hz ~ 20KHz  |
| Noise ratio (S / N)       | >96dBA  |
| Total harmonic distortion | <0.05%  |
| Channel Crosstalk         | > 85dB  |
| Dynamic range             | >94dB   |
| RS-232 control            | 1×9-pole Sub-D female socket 1×9-pole Sub-D male socket |
| Ethernet control          | RJ45 connected to PC                                    |
| Mounting                  | 19" standard rack                                       |
| Dimensions (mm)           | 481L x 265W x46H  |
| Weight                    | 3kg   |
| color                     | Black   |
| Max. audio inputs         |   |
| LINE IN 1                 | +10dBu  |
| LINE IN 2                 | +10dBu  |
| Max. audio outputs        |   |
| LINE OUT 1                | +12dBu BAL.   |
| LINE OUT 2                | +12dBu BAL.   |
| LINE OUT 3                | +12dBu BAL.   |
| LINE OUT 4                | +12dBu BAL.   |
| Output impedance          | >1k $\Omega$  |
| PC communication method   | TCP/IP  |
| Camera control method     | RS-232/UDP  |
| Network Interface         | RJ45  |

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|                                 |                          |
|---------------------------------|--------------------------|
| Display                         | LCD1602                  |
| Recording file size             | 0.8M/min                 |
| Limit on the number of speakers | 1/2/4,6 max in 8 persons |
| Camera Tracking Protocol        | PELCO-P/PELCO-D/VISCA    |
| Operating temperature           | 0~45°C                   |
| Storage temperature             | <b>20~50°C</b>           |

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