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Professional Audio Video Manufacturer

# Conference System

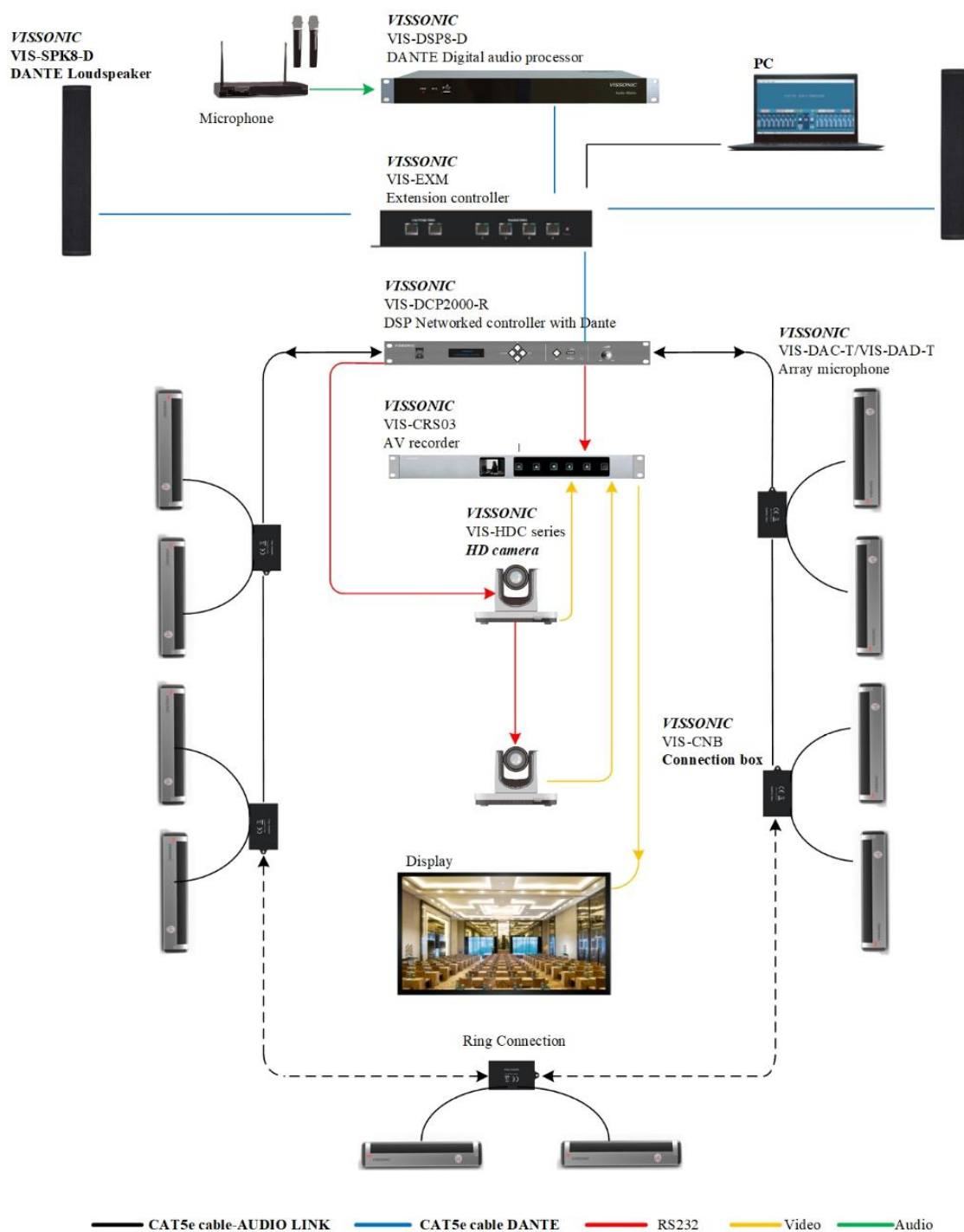
## PRODUCT DATASHEET



**VISSONIC ELECTRONICS LTD.**

Think Solutions

# Application diagram



## VIS-DCP2000-R

Full Digital Networked DSP Conference Processor for Array mic



### Features

- The unique AUDIO-LINK digital ring network technology achieves full-digital signal transmission and processing.
- Single CAT5e cable transmits 64 channels of audio and various information
- All microphone units support audio, ID independent output. Working with voice recognition system to achieve voice role separation.
- High-fidelity sound quality, lossless audio transmission technology, 48K audio sampling frequency, 20Hz ~ 20KHz response frequency.
- 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 (including conference management, etc.).
- "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.
- The main controller comes with self-learning AFC automatic feedback algorithm, combined with array microphones, short-stem microphones to achieve ultra-long pickup distance.
- Support AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Acoustics Noise Cancellation) 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.
- Display with date, time management, and support speech time, countdown speech.
- Optional DANTE output module with other DANTE equipment used.
- Can drive 2\*120W POE speaker through extension main unit, support up to 16 POE speakers.

### Functions

- Compliance with IEC 60914, GBT 15381-94.
- Connecting with VIS-EXM 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.
- Supports 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 2.4GHz and 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
- 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 approval 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.

### *Control & Indicators*

LCD display to show all the operations and results

4-Way button for menu operate

One-button press to start recording

Recording light indicator

Master volume control knob

### *Interfaces*

Front panel USB recording port



3.5mm headphone for monitoring  
1x RCA audio input  
1x XLR audio input  
1x RCA audio output  
1x XLR audio output  
6x Phoenix connector audio output  
2x RJ45 digital audio connection  
2x RJ45 for chairman unit, delegate unit, unit translators and other connection  
1x RJ45 for wireless AP or router  
1x DP9 male port for external control  
1x DP9 female port for camera  
1x three-pin phoenix connector for camera control keyboard  
1x RJ45 for computer connection or network switcher  
1x grounding screw  
1x 100 ~ 240V DC Power Interface

## *Technical Parameters*

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 x 46H  
Weight: 3kg  
Black color

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.

Transmission technology: WIFI 802.1n  
Encryption technology: WPA2-PSK AES  
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Working frequency: 5.2-5.8 GHZ

Output impedance:  $>1k\Omega$

PC communication method: TCP/IP

Camera control method: RS-232/UDP

Network Interface: RJ45

Display: LCD1602

Limit on the number of speakers: 1/2/4, max in 6 persons

Camera Tracking Protocol: PELCO-P/PELCO-D/VISCA

Operating temperature:  $0 \sim 45^{\circ}\text{C}$

Storage temperature:  $20 \sim 50^{\circ}\text{C}$