

# New Generation **Full Digital** **Network** Conference System, with High Tech in DSP unique Sound Processing

## **CLEACON Full Digital Networked DSP Conference System**

### **Compact yet versatile design**

We are well aware that the main body of the meeting is the participants, so the product design reflects the elegant, yet compact and easy to use features. Common CAT5e connection ensures fast and easy to build any sized meeting occasions, conference unit features a graphical interface operating area, including lighting reminder, anyone can get started quickly. Easy to install, user-friendly to use, and is designed to ensure higher productive meetings.

### **Excellent sound performance**

Advanced voice processing technology, with the unique design of the microphone, this unit can be accurate pickup and restore the human voice through a high-quality built-in speakers or an external PA system, original AUDIO-LINK digital ring network technology, Automatic Gain Control Volume(AGC) / automatic frequency control(AFC) technology help reach higher volume without triggering the howling effect, ensures each word spoken is well understood.

### **High tech intelligence platform**

Timing function, overtime reminder, voting results multi-platform synchronization, network control and meeting management, conference Smart reservation, worldwide firmware real-time updates, the integration of IT technologies ensures smart conferencing platform, the CLEACON series is one of them.

### **Complete easy-handling management**

The Central Unit is the center of the system –Provide power to the whole discussion units, control the cameras and link to other third-party devices. The 1U compact design is easily to put anywhere while keep a low profile in meeting room.

### **Simple control with convenient recording**

We try to use less buttons to simplify the operation, and a LCD screen helps you monitor real-time action obviously. The USB slot enable it record every important meeting discussion, to file up every contents simply

## VIS-DCP2000-D

Full Digital Networked DSP Conference Processor for wired units



### 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 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). 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 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.
- Memory capacity : USB memory ROM 32Gb (Via included USB stck), 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 VIS-EXM 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.
  - Only wired discussion units can connect to the controller, fast and easily to adding delegate of meetings.
  - 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 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.

## Control & Indicators

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 RCA audio input

1x XLR audio input

1x RCA audio 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 RJ45 for wireless AP or router

1x DP9 male interface for external control

1x DP9 female interface for camera

1x three-pin phoenix interface for camera control keyboard

1x RJ45 for computer connection or network switcher

1x grounding screw

1x 100 ~ 240V AC 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) 483L x 260W x43.6H

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.

Output impedance: >1kΩ

PC communication method: TCP/IP

Camera control method: RS-232/UDP

Network Interface: RJ45

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: 20 ~ 50°C

***Item Model for Order***

VIS-DCP2000-D ..... Full digital network DSP conference processor