



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

The product design reflects the elegant, yet compact and easy to use features. Common CAT5 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 head, 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

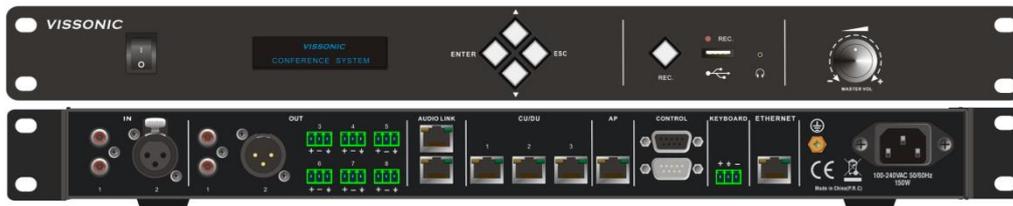
The Central Unit is the center of the system – Provide power to the whole discussion units, control the cameras and link to other third party devices. The 1U compact design is easily to put anywhere while keep a low profile in meeting room.

Simple control with convenient recording

We try to use less buttons to streamline 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

Full Digital Networked DSP Conference Processor



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.
- High-fidelity sound quality by lossless audio transmission technology, 48K audio sampling rate and 20Hz ~ 20KHz frequency response
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly no matter changing discussion unit or having any malfunctioned units
- Support AGC(Automatic Gain Control)/AFC(Adaptive Feedback Cancellation)/ANC(Acoustics Noise Cancellation) Support sound output by separated zones, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle.
- Support echo cancellation, remote two-way real-time call with another conference controller or another third-party video conferencing terminal
- USB recording, advanced noise cancellation technology to realize clearer recording
- Support software control from RJ45 and Web configuration

Functions

- Compliance with IEC 60914, GBT 15381-94
- With VIS-CNB digital power box, it can expand to 5200 discussion units
- Support "Hand-in-Hand-Loop-Network" connection and the system assigned to each unit independently ID to avoid duplicate ID conflict
- Both wired/wireless discussion units can connect to the controller, fast and easily to adding delegate of meetings
- Wireless unit supports up to 8 microphones active simultaneously, anti-interference ability is stronger than ever, compliance with IEEE 802.11n standard Wi-Fi both for 2.4GHz and 5GHz
- 2 channel audio input, XLR or RCA type, for local input or remote video-conferencing input
- MAX 8 channel audio output, XLR, RCA or Phoenix type, to connect language translation system or output to different zones
- TCP/IP connection between controller and PC
- RS232 to send the PELCO/VISCA protocol to realize camera auto-tracking function.
- Hot-swap for any system unit, and the controller has auto-recovery function
- Wide range of voltage from 110V~220VAC

- 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, "FREE" Turn on the MIC freely up the max. quantity, "APPLY" To apply then to speak
 - Voting function: Approve/Abstain/Object
 - Chairman unit has priority to close all other units or mute them temporarily
 - Chairman unit can answer 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/+/++

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 interface

3.5mm headphone for monitoring

1x RCA audio input

1x XLR audio input

1x RCA audio output

1x XLR audio output

6x Phoenix interface 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 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 DC Power Interface

Technical Parameters

Power 110V / 220V AC
Static power consumption 12W
Maximum power consumption 150W
Frequency Response 20Hz ~ 20KHz
Noise ratio (S / N) > 80dB
Total harmonic distortion < 0.05%
Channel Crosstalk > 80dB
Dimensions (mm) 483L x 260W x 43.6H
Dark gray color

Item Model for Order

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

VIS-DEC-T/VIS-DED-T

CAT5 Wired Digital Basic Discussion Chairman/Delegate Unit



Features:

- Stylish, low profile design with touchable interface
- Standard CAT5e and RJ45 connectors are used in CLEACON series to provide more convenient on project and maintenance.
- The connection of MIC units are either hiding underneath or from the rear of the unit, makes it convenient for different request of installation,
- Internal high fidelity loudspeaker
- 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
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- Strong system robust by the "Hand-in-Hand-Loop-Network" connection method.
- The microphone sensitivity of each unit and 16 level equalizer EQ can be adjusted independently

Functions:

- Compliance with IEC 60914, GBT 15381-94
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- One CAT5e cable to transmit 64 channel audio and other signals
- High fidelity sound by zero loss audio transmit technology, 48K audio sampling frequency, 20Hz~20KHz response frequency
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly no matter changing discussion unit or having any malfunctioned units
- This system automatically assigned to each unit independently ID to avoid duplicate ID conflict
- The microphone sensitivity of each unit and 16 level equalizer EQ can be adjusted independently
- The 16-level equalizer EQ to achieve sound or the whole conference field adjustment, limiter to prevent the sound suddenly become loud or low; noise gate of human voice can be identified; support AGC(Automatic Gain Control)/AFC(Adaptive Feedback Cancellation)/ANC(Active Noise Control)/Mix (Auto-Mix) technology
- Hot-swap for any system unit, and the controller has auto-recovery function
- Precise directional microphone head with anti-wind microphone foam cover, with two-color LED indicator
- Button for MIC ON/OFF, Priority & Apply Answer button for chairman unit
- Built-in high fidelity speakers, it automatically mutes to prevent howling when press MIC ON
- Head-set interface in both sides with volume adjust

Discussion modes:

"OPEN" Free for all, limited by the active units setting by controller, "VOICE" Unit activated by voice, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "APPLY" To apply then to speak, "ALL" Free to speak for all people
Work with our HD camera and video matrix switcher, it apply camera auto tracking function

Technical Parameters

Button: Touchable interface, no physical buttons

Sound Pickup: heart type capacitance

Sensitivity: -46 dBV / Pa

Maximum power consumption: 2.0W

Directivity: 0 ° / 180 ° > 20 dB (1 kHz)

Headphone load: 16Ω

headphone volume: 10mW

Headphone jack: 3.5mm stereo

Input impedance: 2kΩ

SNR: 70dB

Frequency response: 20 ~ 20000Hz

Connection: CAT5 / CAT6 cable + snap

Equivalent noise: 20dBA (SPL)

Main material: ABS

The maximum sound pressure: 125dB (THD <3%)

Weight: 1.1kg (with microphone)

Dimension: 120W × 140 L × 22H mm (without microphone)

Operating temperature: 0 °C to + 55 °C

Color: Black

Diagram:

