VISSONIC

Professional Audio Video Manufacturer

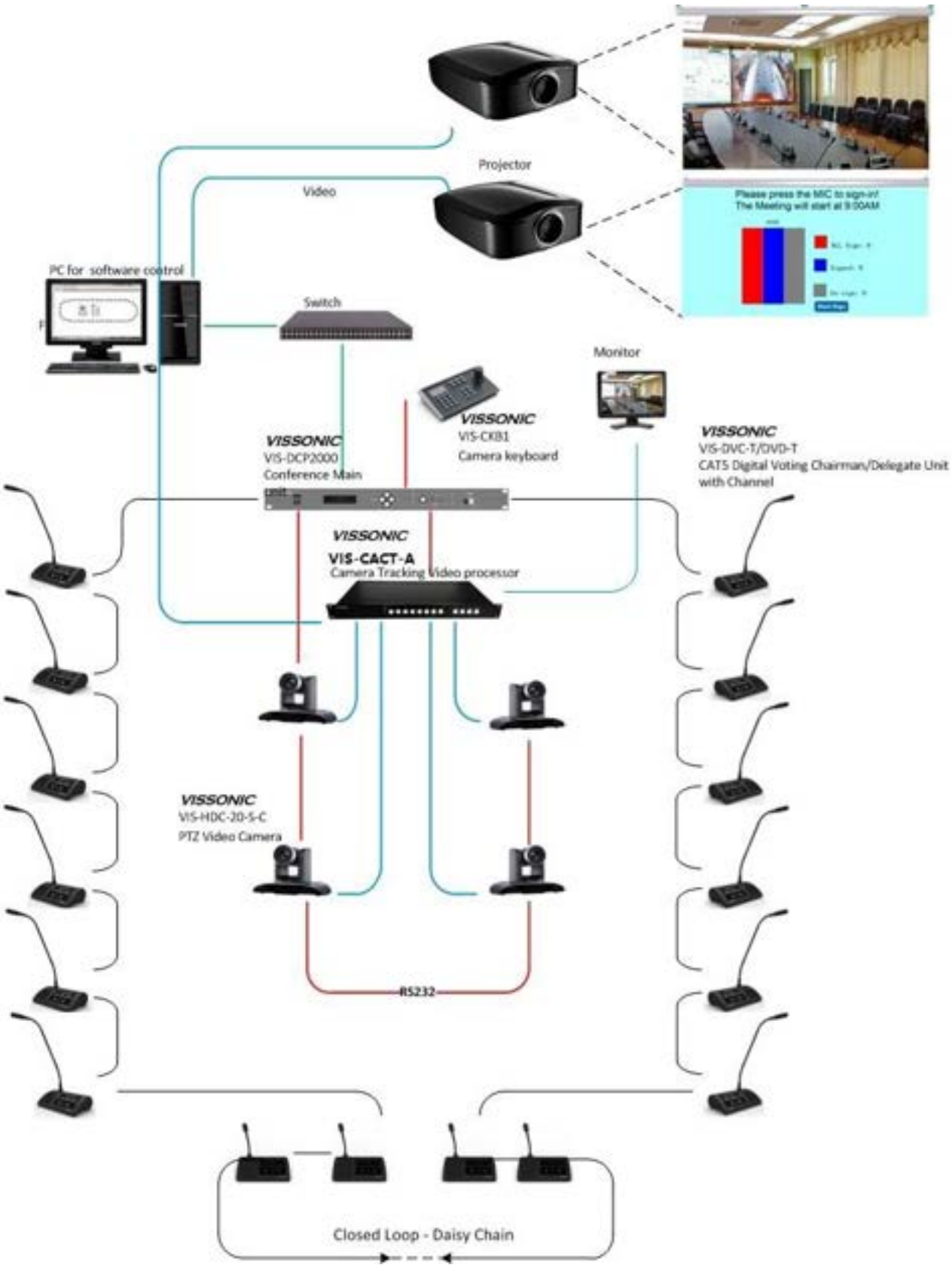
Full Digital Wired Conference Units

Product Datasheet

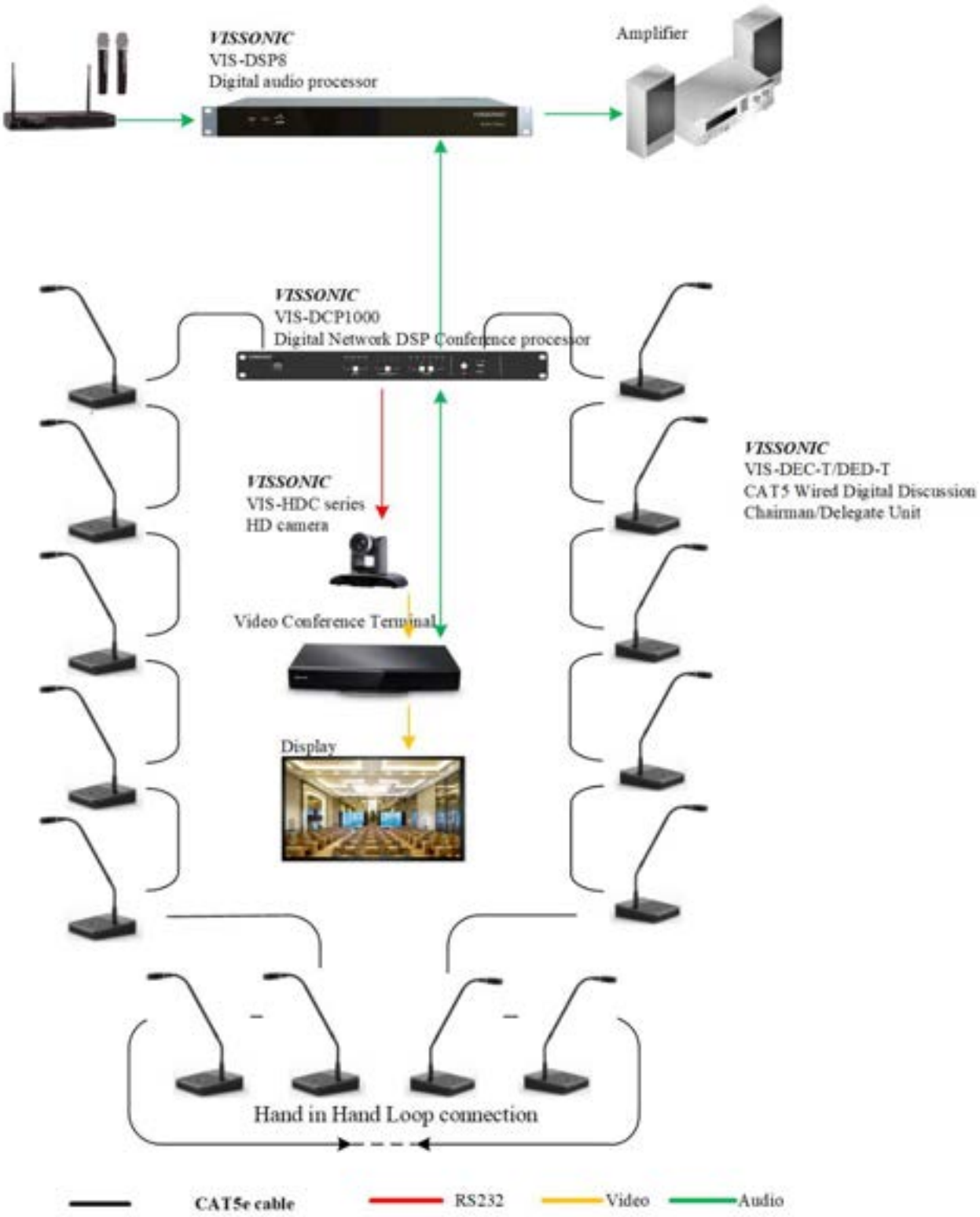
VISSONIC ELECTRONICS LTD.

Think Solution

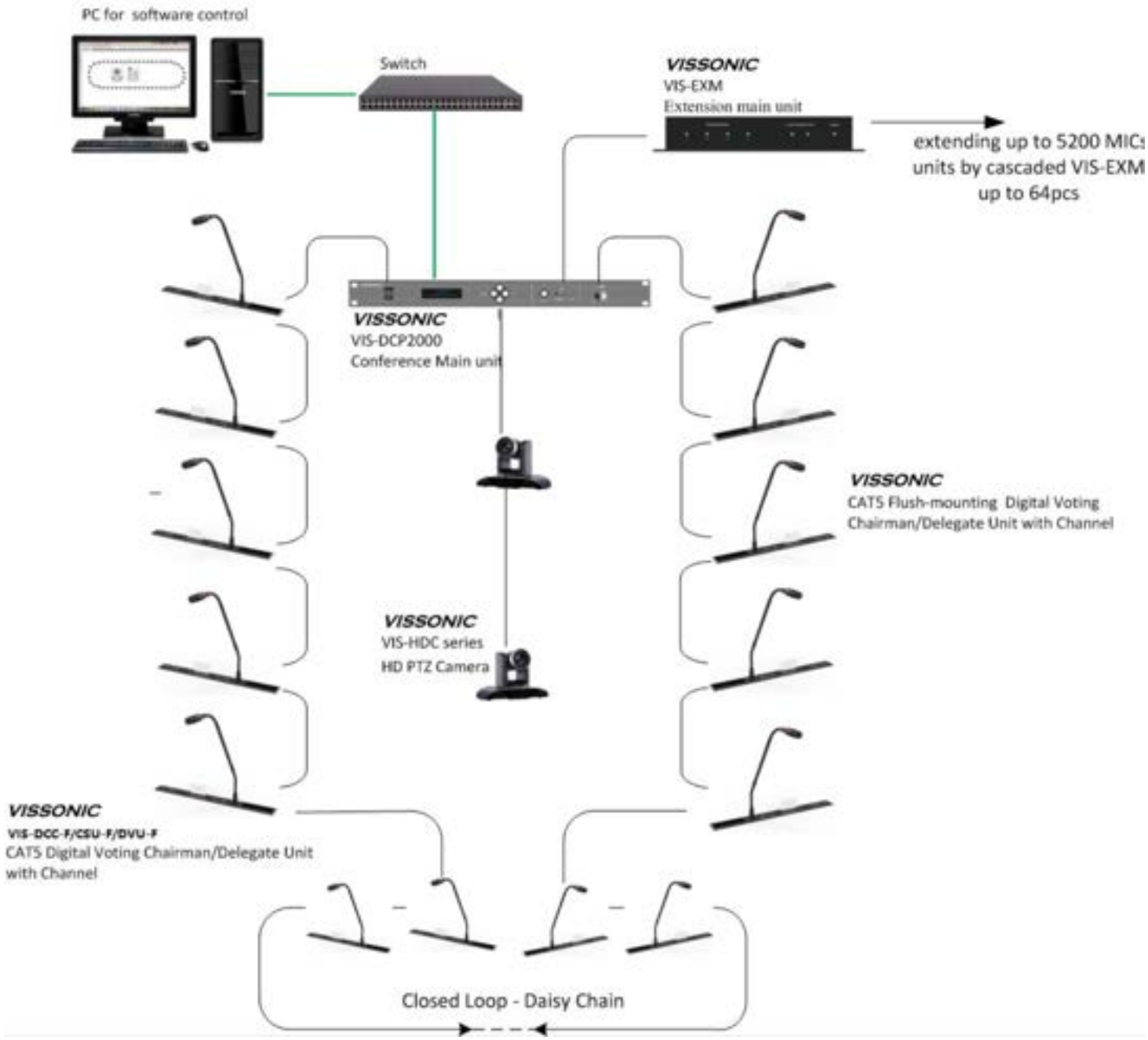
Application diagram



Entry-level basic solution



Flush mount solution



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).
- "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.
- USB recording, 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.
- 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) 481L x 265W x46H
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℃

Storage temperature: 20 ~ 50℃

Item Model for Order

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

VIS-DCP1000

Full Digital Networked Conference Main Unit

Features

- Intuitive function button design, no training required, easy to use
- 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
- USB recording, advanced noise cancellation technology to realize clearer recording

Functions

- USB recording, advanced noise cancellation technology to realize clearer recording
- With VIS-EXM digital power box, it can expand to 5200 discussion units
- "Hand-in-Hand-Loop-Network" connection and the system automatically assigned to each unit independently ID to avoid duplicate ID conflict
- 2 channel audio input, XLR or RCA connector, for local input or remote video-conferencing input
- MAX 3 channel audio output, XLR, RCA or Phoenix connector
- Adding the audio input box, this system can be used with condenser microphones or dynamic microphones
- TCP/IP connection between controller and PC
- RS485 or 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 100V~240V AC
- Without using PC software, our conference controller still owns following settings:
  - Limit on the number of speaking persons: By Setting the number of active delegate units at the same time (Number is 1/2/4/6 units)
  - Discussion modes:
  - "**OPEN**" Free for all, "**APPLY**" To apply then to speak, "**VOICE**" voice activate the mic, "**OVERIDE**" First in First out.

- Controlling through RS232 to realize MIC ON/OFF, Priority, Volume adjustment.
- Chairman unit has priority to close all other units or mute them temporarily
- Chairman unit can consent the request for speaking from delegate

Technical Parameters

Power .....100V / 240V AC@50/60Hz
Static power consumption 12W
Maximum power consumption..... 150W

Unit power supply. . . . POE48VDC

RS-232 control. . . . . 1x9 pin sub female socket 1x9 pin sub-D male socket

Ethernet control. . . . RJ45 connect computer control
Frequency Response .....20Hz ~ 20KHz

THD.....<0.05%

Channel Crosstalk> 85dB
Noise ratio (S / N) >96dBA

Dynamic Range> 94dB

Installation parameters

Dimensions (mm)..... 481L x 265W x46H

Weight....3kg
Color.....Black

CLEACON Series VIS-DMD-T

Multimedia digital conference unit with touch screen

The VIS-DMD-T is a multimedia conference unit based on the VISSONIC AUDIOLINK IP network technology. It is equipped with a 5-inch IPS touch screen, which improves the flexibility of the conference and the interactivity of the meeting content.

This unit can set as chairman, delegate, VIP or dual-user unit according to the requirements of the conference. As the various requirements of meeting, it can upgrade the software to achieve more functions without changing unit or hardware.

The current software module contains five functions:
-Vote
-NFC card identification
-Simultaneous interpretation channel
-Dual user
-Bluetooth

By chairman unit, you can use the touch screen on the VIS-DMD-T unit to manage different aspects of the meeting. It allows you to start, pause meetings, view request-to-speak lists, approve request, view addresser profiles and speaking times, and even record meetings, easily start and stop voting etc.

By delegate unit, you can view the agenda and the remaining time to speak. You can even see who is speaking and the position you are on the speaking list.

Features

- Compatible with IEC 60914, GBT 15381-94 standard
- The unique AUDIO-LINK digital network technology realizes full digital signal transmission and processing.
- Single CAT5e cable transmits 64 channels of audio and various information.
- High-fidelity sound quality, lossless audio transmission technology, 48K audio sampling frequency, 20Hz ~ 20KHz response frequency.
- 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.
- 5-inch capacitive touch screen and built-in NFC card reader can quickly identify participants
- All-in-one touch screen conference unit, it can be configured as a chairman unit, delegate unit, VIP unit or dual delegate unit
- Easily expand functions by setting software modules

Functions

- The design is compact, modern and with latest VISSONIC technology
- Adopt standard CAT5e with RJ45 connector as the connection cable, which is convenient for standardized engineering wiring installation and maintenance.
- All-in-one touch screen unit can be set as the chairman, delegate, VIP or dual delegate unit via conference system software or the menu of conference controller front panel.
- Chairman unit can pause the delegate's speech, close the delegate's speech, view the speaking request list, agree or reject the delegate's speech request, and functions of starting conference recording, stopping recording, selecting conference topics, initiating sign-in, and voting.
- Delegate unit can request to speak and view your position in the request list, information of the addresser, and view the meeting topic.
- The system can set up to 32 VIP delegate units. As long as the total number of microphones already turned on in the system does not exceed 8, the VIP delegate unit can be turned on freely.

- Contains five optional function modules:
  - Voting: three-button / two-button voting
  - NFC identification: Sign in with NFC card to accurately identify user information.
  - Simultaneous interpretation channel: support 2 language channel selectors, each selector supports 64 languages independent selection.
  - Dual users: Support two participants sharing one unit to achieve camera tracking at two locations; enabling two delegates to vote on one unit.
  - Bluetooth: can be connected to hearing aids etc.
- 5-inch capacitive touch screen displays conference information, such as agenda, addresser information, addresser list and request-to-speak list, speech timing, timing speaking, current time and date, Chinese and English switching, and checking unit version information.
- The conference unit has sign-in function and service function through the touch screen
- Supports set the current microphone sensitivity and 8-band equalizer EQ adjustment.
- Can be configured with gooseneck microphone or rectangular digital and analog dual backup microphone
- Dual headphone port design, volume can be adjusted through touch screen
- Hand-in-hand-loop-network connection and star connection, the system is more reliable. Replacement one unit and failure of cable will not affect the normal operation of other units in the system.
- Hot plug-and-play, automatic recovery.
- The number of speakers limit function: you can set the speaker units that are turned on at the same time (the number is 1/2/4/6, and a maximum of 32 units are allowed to speak in the full-open mode)
- Has the following speaking modes:
- "OPEN" open mode, "VOICE" voice control mode, "OVERRIDE" mode, "APPLY" application mode, "PTT" press and hold to speak (optional), "ALL" full open mode (optional)
- Combined with camera and a camera tracking controller, it has an automatic camera tracking function.

Control & Indicators

Microphone with two-color LED ring, red indicates speaking status, green indicates request to speak
5-inch capacitive touch display.
Microphone switch button
Chairman unit with priority button and approve to speak button

Connection

Pluggable microphone connection base
Two 3.5mm stereo Headphone jacks
Two RJ45 connectors

Technical parameter

Screen size :109.22 mm (5.0 inches)
Resolution: 800x480
Screen type: Capacitive multi-touch
Contactless NFC cards in following standards: ISO / IEC14443 Type A
Connection method: CAT5 / CAT6 cable + buckle

Electrical parameters

Power: 48V DC

Supply consumption:5 W

Frequency response :20~20000Hz

THD at rated level <0.1%

Dynamic range> 90 dB

S / N ratio> 90 dB

THD at rated level <0.1%

Audio input

Nominal microphone input 80 dB SPL in accordance with IEC60914

Maximum sound pressure 125dB (THD <3%), in line with IEC60914

Sensitivity -46 dBV / Pa

Audio output

Headphone load 16Ω Headphone volume 10mW

Headphone port 3.5mm stereo socket Input impedance 2kΩ

Mechanical parameter

Installation: desktop

Dimensions (mm, without microphone): 160L x 100W x 65H

Color: Black

Weight: 0.7KG (base)

Environmental parameters

Operating temperature 5 ºC to +55 ºC

Relative humidity <90%

Item Model for Order

VIS-DMD-T ..... Multimedia touch screen conference unit

VIS-DCP2000-D ..... Full Digital Network DSP Conference controller

VIS-MDA ..... Rectangular microphone, Digital + Analog output dual backup microphone

VIS-M220 ..... 220mm microphone (black) with anti-wind foam cover

VIS-M330 ..... 330mm microphone (black) with anti-wind foam cover

VIS-M410 .....410mm microphone (black) with anti-wind foam cover

VIS-M485 ..... 485mm microphone (black) with anti-wind foam cover

VIS-M600 ..... 600mm microphone (black) with anti-wind foam cover

Optional function license

VIS-LLGE ..... Dual 64-channel selector software module

VIS-LVOTE ..... Vote software module

VIS-LIDEN ..... NFC identification software module

VIS-LDUAL ..... Dual user software module

VIS-HLBLTH ..... Bluetooth Hearing Software Module

CLEACON Series VIS-DCC-T/ VIS-DCD-T

CAT5 Wired Digital 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 cable of units are either hiding underneath or from the rear of the unit, makes it convenient for different request of installation
- OLED screen, providing excellent brightness, contrast, wide viewing angle but low power consumption
- 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.
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly and more reliable.
- The unit showing time/date on the screen. Timer on display to set certain time for each delegate to speak, will remind user or close the MIC automatically.
- All units can be configured as Chairman or Delegate unit through software settings based on model VIS-DCC-T.

Functions

- Compliance with IEC 60914, GBT 15381-94
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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 assigned to each unit independently ID to avoid duplicate ID conflict
- AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control)/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Hot-swap for any system unit, and the controller has auto-recovery function
- Precise cardioid directional microphone capsule with anti-wind microphone foam, 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
- 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, "**VOICE**" Can activate MIC by detecting sound without press button, "**APPLY**" To apply then to speak
- Work with VIS-CDC series HD camera and VIS-CATC-A switcher, it can realize camera auto tracking function

Control & Indicators

Each unit with two-color LED indicator, red for speaking on microphone, green means need acceptance from chairman to speak

128x32 OLED display with volume bar, clock, time span of microphone activating, MIC ON/OFF etc. and other information.

Indicator for Volume adjustment

Indicator for MIC ON/OFF

Chairman unit with priority button and consent button for the delegates

Interfaces

Pluggable gooseneck microphone base

2x 3.5mm stereo headphone jack

1x 3.5mm stereo input jack

2x RJ45 connectors

Technical Parameters

Button: Touchable interface

Sound Pickup: heart type capacitance

Display: OLED display 128 × 32

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: 195L × 120W× 60H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-DCC-T.....Digital Discussion Chairman Unit, microphone and cable not include
VIS-DCD-T.....Digital Discussion Delegate Unit, microphone and cable not included
VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cove

CLEACON Series VIS-DIC-T/ VIS-DID-T

CAT5 Wired Digital **Interpretation** 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 cable of units are either hiding underneath or from the rear of the unit, makes it convenient for different request of installation
- OLED screen, providing excellent brightness, contrast, wide viewing angle but low power consumption
- Internal high-fidelity loudspeaker
- Built-in interpretation channel selector
- The chairman VIS-DIC-T can set as interpreter or delegate unit.
- 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.
- “Hand-in-Hand-Loop-Network” connection makes the system always working perfectly and more reliable.
- The unit showing time/date on the screen. Timer on display to set certain time for each delegate to speak, will remind user or close the MIC automatically.
- All units can be configured as Chairman or Delegate unit through software settings based on model VIS-DIC-T.

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.
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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 assigned to each unit independently ID to avoid duplicate ID conflict
- AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control)/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Hot-swap for any system unit, and the controller has auto-recovery function
- Precise cardioid directional microphone capsule with anti-wind microphone foam, 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
- 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, "**VOICE**" Can activate MIC by detecting sound without press button, "**APPLY**" To apply then to speak
- Work with VIS-CDC series HD camera and VIS-CATC-A switcher, it can realize camera auto tracking function
- The unit showing real time on the screen, and count-down timer for speaking person.

Control & Indicators

Each unit with two-color LED indicator, red for speaking on microphone, green means need acceptance from chairman to speak

128x32 OLED display with volume bar, clock, time span of microphone activating, MIC ON/OFF etc. and other information.

Indicator for Volume adjustment

Indicator for MIC ON/OFF

Chairman unit with priority button and consent button for the delegates

Interfaces

Pluggable gooseneck microphone base

2x 3.5mm stereo headphone jack

1x 3.5mm stereo input jack

2x RJ45 connectors

Technical Parameters

Button: Touchable interface

Sound Pickup: heart type capacitance

Display: OLED display 128 × 32
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: 195L × 120W× 60H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-DIC-T.....Digital Discussion Interpretation Chairman Unit, microphone and cable not include
VIS-DID-T.....Digital Discussion Interpretation Delegate Unit, microphone and cable not included
VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cover

CLEACON Series VIS-DVC-T/VIS-DVD-T

CAT5 Wired Digital Voting Chairman/Delegate Unit with Channel Selector

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 cable of units are either hiding underneath or from the rear of the unit, makes it convenient for different request of installation
- Five keys voting function
- Interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- OLED screen, providing excellent brightness, contrast, wide viewing angle but low power consumption
- 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.
- “Hand-in-Hand-Loop-Network” connection makes the system always working perfectly and more reliable.
- The unit showing time/date on the screen. Timer on display to set certain time for each delegate to speak, will remind user or close the MIC automatically.
- All units can be configured as Chairman or Delegate unit through software settings based on model VIS-DVC-T.

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.
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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 assigned to each unit independently ID to avoid duplicate ID conflict
- AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control)/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Hot-swap for any system unit, and the controller has auto-recovery function
- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator
- Five keys voting function
- Interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- 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
- 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, "**VOICE**" Can activate MIC by detecting sound without press button, "**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 consent the request for speaking from delegate
  - Support simultaneous language interpretation
- More voting functions available by PC software
- Work with VIS-CDC series HD camera and VIS-CATC-A switcher, it can realize camera auto tracking function
- The unit showing real time on the screen, and count-down timer for speaking person.

Control & Indicators

Microphone with two-color LED ring, red indicates speaking status, green indicates request to speak.
128x32 OLED display with volume bar, clock, time span of microphone activating, interpretation channels and language, MIC ON/OFF and other information.
5 voting keys with indicators, while no launching voting, no.2 and no.3 button is also work as channel selecting buttons, no.4 and no.5 work as volume buttons.
MIC ON/OFF buttons with indicators
Chairman unit with priority button and consent button for the delegates

Interfaces

Pluggable gooseneck microphone base

2x 3.5mm stereo headphone jack
1x 3.5mm stereo input jack
2x RJ45 connectors

Technical Parameters

Button: Touchable interface
Sound Pickup: heart type capacitance
Display: OLED display 128 × 32
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: 195L × 120W× 60H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-DVC-T.....Digital Discussion Chairman Voting Unit, microphone and cable not include
VIS-DVD-T.....Digital Discussion Delegate Voting Unit, microphone and cable not included
VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cover

CLEACON Series VIS-DSC-T/ VIS-DSD-T

CAT5 Wired Dual Channels 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 projects and maintenance.
- The connection cable of units are either hiding underneath or from the rear of the unit, makes it convenient for different request of installation
- Dual channels selectors work with two earphone jackets design
- Interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- OLED screen, providing excellent brightness, contrast, wide viewing angle but low power consumption
- Internal high-fidelity loudspeaker
- 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.
- “Hand-in-Hand-Loop-Network” connection makes the system always working perfectly and more reliable.
- The unit showing time/date on the screen. Timer on display to set certain time for each delegate to speak, will remind user or close the MIC automatically.
- All units can be configured as Chairman or Delegate unit through software settings based on model VIS-DSC-T.

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.
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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 assigned to each unit independently ID to avoid duplicate ID conflict
- AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control)/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Hot-swap for any system unit, and the controller has auto-recovery function
- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator
- Interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- 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
- 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, "**VOICE**" Can activate MIC by detecting sound without press button, "**APPLY**" To apply then to speak
  - Chairman unit has priority to close all other units or mute them temporarily
  - Chairman unit can consent the request for speaking from delegate
  - Support simultaneous language interpretation
- Work with VIS-CDC series HD camera and VIS-CATC-A switcher, it can realize camera auto tracking function
- The unit showing real time on the screen, and count-down timer for speaking person.

Control & Indicators

Microphone with two-color LED ring, red indicates speaking status, green indicates request to speak.
128x32 OLED display with volume bar, clock, time span of microphone activating, interpretation channels and language, MIC ON/OFF and other information.
2 groups of channels selecting buttons
MIC ON/OFF buttons with indicators
Chairman unit with priority button and consent button for the delegates

Interfaces

Pluggable gooseneck microphone base
2x 3.5mm stereo headphone jack
1x 3.5mm stereo input jack
2x RJ45 connectors for daisy chain

Technical Parameters

Button: Touchable interface
Sound Pickup: heart type capacitance
Display: OLED display 128 × 32
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: 195L × 120W× 60H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-DSC-T.....Dual channels Chairman Unit, microphone and cable not include
VIS-DSD-T.....Dual channels Delegate Unit, microphone and cable not include
VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cover

VIS-DEC-T/VIS-DED-T

CAT5 Wired Digital Basic Discussion Chairman/Delegate Unit

Features

- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing
- Stylish, low profile design with touchable interface
- Compliance with IEC 60914, GBT 15381-94
- Standard CAT5e and RJ45 connectors are used in CLEACON series to provide more convenient on project and maintenance.
- The cable 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.
- “Hand-in-Hand-Loop-Network” connection makes the system always working perfectly and more reliable.

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.
- Single CAT5e cable transmits 64 channels of audio and various information.

- 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
- Limiter to prevent the sound suddenly become loud or low; noise gate of human voice can be identified; 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 cardioid directional microphone capsule with anti-wind microphone foam, 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, "OVERRIDE" 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 applies camera auto tracking function

Technical Parameters

Button: Touchable interface
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: Aluminum Cover + ABS base
The maximum sound pressure: 125dB (THD <3%)
Weight: 0.9kg (with microphone)
Dimension: 120W × 140 L× 33H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

VIS-DEC-T1/VIS-DED-T1

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 2x 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× 33H mm (without microphone)

Operating temperature: 0 ℃ to + 55 ℃

Color: Black

VIS-DOC-T/VIS-DOD-T

CAT5 Wired Digital Discussion Unit with physical button

The appearance of this conference unit continues the classic design ideas, absorbing a number of classic microphone elements, including a long-stroke physical speaking button with a concave relief, a built-in 2x2W high-quality speaker, and a symmetrical design. The core uses VISSONIC digital network technology to maintain consistent excellence. Installation and use experience.

Features

- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing
- Stylish, low profile design with physical button
- Compliance with IEC 60914, GBT 15381-94
- Standard CAT5e and RJ45 connectors are used in CLEACON series to provide more convenient on project and maintenance.
- The cable 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.
- “Hand-in-Hand-Loop-Network” connection makes the system always working perfectly and more reliable.

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.
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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
- Limiter to prevent the sound suddenly become loud or low; noise gate of human voice can be identified; 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 cardioid directional microphone capsule with anti-wind microphone foam, 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, "OVERRIDE" 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 applies camera auto tracking function

Control & Indicators

Electrical parameters

Maximum power consumption: 2.0W
Frequency response: 20Hz ~ 20kHz
Total harmonic distortion (THD) ..... <0.1%
Dynamic range .....> 94dB
Signal-to-noise ratio (S / N) .....> 96dB
Headphone load impedance .....> 16Ω <1kΩ
Headphone output power 25mW
Rated microphone input .....> 70dB SPL
Maximum microphone input .....> 100dB SPL
Speaker rated output .....> 70dB SPL at 0.5m
Sensitivity .....- 46 dBV / Pa

Mechanical parameter

Connection method ..... CAT5 / CAT6 cable + snap
Buttons ..... Stroke button
Main material: ..... Aluminum alloy, ABS
Color: Black

Weight 0.9kg
Dimensions (mm) ..... 122.5 width × 150 depth × 58 height

Item Model for Order

VIS-DOC-T ..... All-digital network discussion chairman unit
VIS-DOD-T ..... All digital network discussion representative unit
VIS-DCP1000 ..... All Digital Network Conference System controller
VIS-M220 ..... 220mm microphone (black) with anti-wind foam cover
VIS-M330 ..... 330mm microphone (black) with anti-wind foam cove
VIS-M410 ..... 410mm microphone (black) with anti-wind foam cove
VIS-M485 ..... 485mm microphone (black) with anti-wind foam cove
VIS-M600 ..... 600mm microphone (black) with anti-wind foam cove

CLEACON Series VIS-DCC-F/ VIS-DCD-F

Digital Flush-mounting 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 projects and maintenance.
- Pluggable gooseneck microphone
- Priority button and approval button on chairman unit VIS-DCC-F
- 3.5 earphone jack
- 48 kHz audio sampling rate
- Anti RF interference from cell phone or similar devices.
- Hot plug and play
- The discussion unit VIS-DCC-F/ VIS-DCD-F can be used independently or connected to VIS-DVU-FS and VIS-SPK-F.

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.
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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 is assigned to each unit independently ID to avoid duplicate ID conflict
- 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 cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator
- Button for MIC ON/OFF, Priority & Apply Answer button for chairman unit
- 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, "**VOICE**" Can activate MIC by detecting sound without press button, "**APPLY**" To apply then to speak
  - Chairman unit has priority to close all other units or mute them temporarily
  - Chairman unit can consent the request for speaking from delegate
  - Support simultaneous language interpretation by connected to the channel selector
- Work with VIS-CDC series HD camera and VIS-CATC-A switcher, it can realize camera auto tracking function

Control & Indicators

Microphone with two-color LED ring, red indicates speaking status, green indicates request to speak.
MIC ON/OFF buttons with indicating backlight
Chairman unit with priority button and consent button for the delegates

Interfaces

1xPluggable gooseneck microphone base
1x 3.5mm stereo headphone jack on front
2x RJ45 connectors for daisy chain
RJ11 socket for VIS-DVU-FS
3.5mm socket, RJ11 for VIS-DCC-FS/ VIS-DCD-FS
1x3.5mm speaker socket for VIS-SPK-F

Technical Parameters

Button: Touchable interface
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

Equivalent noise: 20dBA (SPL)
Main material: Aluminum
The maximum sound pressure: 125dB (THD <3%)
Weight: 0.6kg (with microphone)
Dimension: 100L × 40W× 65H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-DCC-F..... Digital Flush-mounting Discussion Chairman Unit, microphone and cable not include
VIS-DCD-F..... Digital Flush-mounting Discussion Delegate Unit, microphone and cable not include
VIS-SPK-F..... Flush-mounting Speaker Unit
VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cover

CLEACON Series VIS-CSU-F

Digital Flush-mounting 64 Channel Selector

Features

- Stylish, low profile design with touchable interface
- 64 language channels for simultaneous interpretations, all channels with a 20Hz to 20kHz frequency response.
- Standard CAT5e and RJ45 connectors are used in CLEACON series to provide more convenient on projects and maintenance.
- Automatically adapts to available channels
- Built-in "Auto Silent" function
- Flush mountable in tabletops, on top or at the front, or in arm-rest of seats.
- Hot plug and play
- The channel selector VIS-CSU-F can be used independently or connected to VIS-DVU-FS1 or VIS-DVU-FS2

Functions

- 64 language channels for simultaneous interpretations, all channels with a 20Hz to 20kHz frequency response.
- Built-in channel selecting buttons, volume adjust buttons and OLED display
- The channel selectors will active only when the headphone is inserted.
- Upon insertion of a headphone the default 'floor' channel (channel 0) is selected with a comfortable headphone volume and the dimmed backlight is activated.

Control & Indicators

Two touch-buttons(up/down) for channel selection

Two touch-buttons(up/down) for headphone volume control

OLED display for channels and volume information

Interfaces

3.5mm stereo audio jacket on front for headphone

2x RJ45 connectors for daisy chain

RJ11 port for VIS-DVU-FS1 or VIS-DVU-FS2

RJ11 and 3.5mm port for VIS-DCC-FS/ VIS-DCD-FS

Technical Parameters

Button: Touchable interface
Maximum power consumption: 1.8W
Headphone load: 16Ω
headphone volume: 10mW
Headphone jack: 3.5mm stereo
Input impedance: 2kΩ
SNR: 70dB
Frequency response: 20 ~ 20000Hz
Weight: 0.2kg
Dimension: 100L × 40W× 65H mm
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-CSU-F..... Digital Flush-mounting 64 Channel Selector
VIS-DCC-F..... Digital Flush-mounting Discussion Chairman Unit, microphone and cable not include
VIS-DCD-F..... Digital Flush-mounting Discussion Delegate Unit, microphone and cable not include
VIS-DVU-FS1..... Digital Voting Unit with IC Card Reader
VIS-DVU-FS2..... Digital Voting Unit

CLEACON Series VIS-DVU-FS1

Digital Voting Unit with IC-Card Reader

Features

- Flushing-mounting, stylish, low profile design with touchable interface
- Max system capacity: 3000 voting units
- 5 voting keys
- Built-in contactless IC-Card reader
- Hot plug and play

Functions

- 5 voting buttons with the red back-light confirmation indicators to prompt the users to indicate presence, to vote and to confirm registration of what is voted. The buttons and indicators work as follows:
  - Yes (+), no (-) and abstain(x) (For/against, parliamentary voting)
  - Numerals 1 to 5(Used for multiple choice, option polls and rating)
  - Rating scale: --, -,0, +, ++ (used for audience response)
- Use the PC software to support more voting form
- Max. system capacity:3000 voting units
- Built-in contactless IC card reader
- Key-press sign-in
- Automatic detection

Control & Indicators

Five touch-buttons for voting
One LED sign-in indicator
One IC card reader slot

Interfaces

No1. RJ11 port for VIS-CSU-F or VIS-DCC-F/ VIS-DCD-F
No.2 RJ11 port for VIS-DCC-FS/VIS-DCD-FS

Technical Parameters

Connection: CAT5/6e cable
Material: Aluminum alloy
Mounting: Flush-mounting
Weight: 0.2KG
Dimension:100L×40W×65H mm
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-DVU-FS1..... Digital Voting Unit with IC Card Reader
VIS-DCC-F..... Digital Flush-mounting Discussion Chairman Unit, microphone and cable not include
VIS-DCD-F..... Digital Flush-mounting Discussion Delegate Unit, microphone and cable not include
VIS-CSU-F..... Digital Flush-mounting 64 Channel Selector

CLEACON Series VIS-DVU-FS2

Digital Voting Unit

Features

- Flushing-mounting, stylish, low profile design with touchable interface
- Max system capacity: 3000 voting units
- 5 voting keys
- Hot plug and play

Functions

- Anti 8kV static, conforms to IEC CISPR 24
- 5 voting buttons with the red back-light confirmation indicators to prompt the users to indicate presence, to vote and to confirm registration of what is voted. The buttons and indicators work as follows:
  - Yes (+), no (-) and abstain(x) (For/against, parliamentary voting)
  - Numerals 1 to 5(Used for multiple choice, option polls and rating)
  - Rating scale: --, -, 0, +, ++ (used for audience response)
- Use the PC software to support more voting form
- Max. system capacity:3000 voting units
- Key-press sign-in
- Automatic detection

Control & Indicators

Five touch-buttons for voting
One LED sign-in indicator

Interfaces

No1. RJ11 socket for VIS-CSU-F or VIS-DCC-F/ VIS-DCD-F
No.2 RJ11 socket for VIS-DCC-FS/VIS-DCD-FS

Technical Parameters

Connection: CAT5/6e cable
Material: Aluminum alloy
Mounting: Flush-mounting
Weight: 0.2KG
Dimension: 100L×40W×30H mm
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-DVU-FS2..... Digital Voting Unit
VIS-DCC-F..... Digital Flush-mounting Discussion Chairman Unit, microphone and cable not include
VIS-DCD-F..... Digital Flush-mounting Discussion Delegate Unit, microphone and cable not include
VIS-CSU-F..... Digital Flush-mounting 64 Channel Selector

CLEACON Series VIS-SPK-F

Flush-mounting Speaker Unit

Features

- Unique compact design with aluminum enclosure
- High fidelity internal speaker

Interfaces

1 m cable terminated with a 3.5 mm stereo jack

Technical Parameters

Interface load: 16Ω
Speaker:3W
Connection: CAT5/6e cable
Material: Aluminum alloy
Mounting: Flush-mounting
Weight: 0.2KG
Dimension: 100L × 40W× 30H mm
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-SPK-F..... Flush-mounting Speaker Unit
VIS-DCC-F..... Digital Flush-mounting Discussion Chairman Unit, microphone and cable not include
VIS-DCD-F..... Digital Flush-mounting Discussion Delegate Unit, microphone and cable not include

CLEACON Series VIS-FFC-F1/VIS-FFD-F1

Flush-mounting all-in-one discussion Unit with Voting and Channel Selector

Features

- Flush mounting, Stylish, low profile design with physical interface
- Standard CAT5e and RJ45 connectors are used in CLEACON series to provide more convenient on project and maintenance.
- Internal high-fidelity loudspeaker
- Priority button and approval button
- Five voting keys
- OLED screen, providing excellent brightness, contrast, wide viewing angle but low power consumption
- “Hand-in-Hand-Loop-Network” connection makes the system always working perfectly and more reliable.
- Interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- High fidelity sound by zero loss audio transmit technology, 48K audio sampling frequency, all 64 channels with 20Hz~20KHz response
- Built-in channels selector consists of up/down channel select buttons
- 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.
- Gain and EQ (15 segment) of each microphone adjustable separately
- Hot plug and play
- Built-in contactless IC-Card reader

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.
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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 assigned to each unit independently ID to avoid duplicate ID conflict
- Audio signals processed by high performance DSP
- Support AGC (Automatic Gain Control,15 segment)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control 15 segment)/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Hot-swap for any system unit, and the controller has auto-recovery function, support 'Hot plug and play'
- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator
- Five keys voting function
- Interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- 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
- 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, "**VOICE**" Can activate MIC by detecting sound without press button, "**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 consent the request for speaking from delegate
  - Support simultaneous language interpretation
- More voting functions available by PC software
- Key press sign-in or contactless IC cards sign-in
- Built-in contactless IC-card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Work with VIS-CDC series HD camera and VIS-CATC-A switcher, it can realize camera auto tracking function
- Activation at any time for chairman unit (if the number of active microphones in this system is less than 8)
- The unit showing real time on the screen
- Priority button to switch off or to mute the delegate units
- Approve/denies delegates speaking request by two buttons

Control & Indicators

Microphone with two-color LED ring, red indicates speaking status, green indicates request to speak.

128x32 OLED display with clock, interpretation channels and language, MIC ON/OFF etc.
5 voting keys with indicators
MIC ON/OFF buttons with indicators
Chairman unit with priority button and consent button for the delegates
Headphones volume up and down

Interfaces

Socket for Pluggable gooseneck microphone
3.5mm stereo Headphone jack
2x RJ45 connectors

Technical Parameters

Button: Touchable interface
Sound Pickup: heart type capacitance
Display: OLED display 128 × 32
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
Equivalent noise: 20dBA (SPL)
Main material: Aluminum
The maximum sound pressure: 125dB (THD <3%)
Weight: 1.1kg (with microphone)
Dimension: 265L × 85W× 72H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-FFC-F1..... Digital Voting Chairman unit with Channel Selector & voting, microphone and cable not include
VIS-FFD-F1..... Digital Voting Delegate unit with Channel Selector & voting, microphone and cable not include
VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cover

CLEACON Series VIS-FFC-F2/VIS-FFD-F2

Flush-mounting Chairman/Delegate Unit with Voting and Channel Selector

Features

- Flush mounting, 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.
- Internal high-fidelity loudspeaker
- Priority button and approval button
- Five voting keys
- 128x32 OLED screen, providing excellent brightness, contrast, wide viewing angle but low power consumption
- “Hand-in-Hand-Loop-Network” connection makes the system always working perfectly and more reliable.
- Support interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- High fidelity sound by zero loss audio transmit technology, 48K audio sampling frequency, all 64 channels with 20Hz~20KHz response
- Built-in channels selector consists of up/down channel select buttons
- 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.
- Gain and EQ (15 segment) of each microphone adjustable separately
- Supporting Hot plug and play
- Built-in contactless IC-Card reader

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.

- Single CAT5e cable transmits 64 channels of audio and various information.
- 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 assigned to each unit independently ID to avoid duplicate ID conflict
- Audio signals processed by high performance DSP; sound quality approaching CD quality
- Support AGC (Automatic Gain Control,15 segment)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control 15 segment)/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Hot-swap for any system unit, and the controller has auto-recovery function, support 'Hot plug and play'
- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator
- Five keys voting function
- Interpretation function with 64 channels selector which can display the language and channel number (Insert the earphone and the channel selector is active)
- 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
- 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, "**VOICE**" Can activate MIC by detecting sound without press button, "**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 consent the request for speaking from delegate
  - Support simultaneous language interpretation
- More voting functions available by PC software
- Key press sign-in or contactless IC cards sign-in
- Built-in contactless IC-card slot to place the IC card, while automatically logout once the card is taken out from the slot
- Work with VIS-CDC series HD camera and VIS-CATC-A switcher, it can realize camera auto tracking function
- Activation at any time for chairman unit (if the number of active microphones in the system is less than 8)
- The unit showing real time on the screen
- Priority button to switch off or to mute the delegate units
- Approve/denies delegates speaking request by two buttons
- The Chairman unit controls voting start, hold, resume and stop
- The Chairman unit controls on-off switch for displaying voting results on delegate unit's LCD
- The Chairman unit can be configured as delegate by software

Control & Indicators

Microphone with two-color LED ring, red indicates speaking status, green indicates request to speak.
128x32 OLED display with clock, interpretation channels and language, MIC ON/OFF, and voting information etc.
5 voting keys with indicators
MIC ON/OFF buttons with indicators
Chairman unit with priority button and consent button for the delegates
Headphones volume up and down

Interfaces

Socket for Pluggable gooseneck microphone
3.5mm stereo Headphone jack
2x RJ45 connectors

Technical Parameters

Button: Touchable interface
Sound Pickup: heart type capacitance
Display: OLED display 128 × 32
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: CAT5e / CAT6 cable
Equivalent noise: 20dBA (SPL)
Main material: Aluminum
The maximum sound pressure: 125dB (THD <3%)
Weight: 1.1kg (with microphone)
Dimension: 265L × 85W× 72H mm (without microphone)
Operating temperature: 0 ℃ to + 55 ℃
Color: Black

Item Model for Order

VIS-FFC-F2..... Digital Voting Chairman unit with Channel Selector (microphone and cable not include)
VIS-FFD-F2..... Digital Voting Delegate unit with Channel Selector (microphone and cable not include)
VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cover

VIS-EXM

Extension Main Unit

Features

- Expense four chains
- No fan and noiseless design
- Compact profile

Functions

- To achieve loop wired architecture with star wired benefits.
- Get 4 CU/DU channels.
- Work with no noise power supply to achieve "No fan, Noiseless" power enhancing.
- The distance between VIS-EXM extension main unit up to 100m

Control & Indicators

Power indicator
Loop through chains indicators
Repeated chains indicators
Grounded or Floating switch

Interfaces

Self-locking DC connector
4 x RJ45 loop ports or Microphone ports
2x RJ45 Loop through chains

Technical Parameters

Power: 3A 48VDC
Dimension:223x37x92mm (W x H x D)
Weigth:0.5KG

Item Model for Order

VIS-EXM.....Extension main unit

VIS-M600/VIS-M485/VIS-M410/VIS-M330

Pluggable Gooseneck Microphone

Features

- Precise directional microphone head with Mini design
- Two color LED ring indicator
- anti-wind microphone foam cover
- Strong audio collection ability to work with different length of microphone

Functions

- Two-color LED indicator on microphone, red for speaking, green means need acceptance from chairman to speak
- Screw lock socket to connect removable microphone

Technical Parameters

Length:
VIS-M600 600mm
VIS-M485 485mm
VIS-M410 410mm
Weight:
VIS-M600 130g
VIS-M485 120g
VIS-M410 100g
Color: Black

Item Model for Order

VIS-M330.....330mm Microphone, with anti-wind foam cover
VIS-M410.....410mm Microphone, with anti-wind foam cover
VIS-M485.....485mm Microphone, with anti-wind foam cover
VIS-M600.....600mm Microphone, with anti-wind foam cover

VIS-HL002/ HL003/ HL005/ HL010/ HL020/ HL050/HL100

Professional CAT5E conference extension cables

Features

- TIA/EIA 568B CAT5E
- ISO/IEC 11801 ClassD
- CELENEC EN50173, EN50167, EN50169
- UL C(UL)&ETL Verified
- Pre-test by VISSONIC

Functions

- Extension cable for main unit to CU/DU unit
- Carry 48DC power and signals
- Male to Male cable
- Size from 2m to 100m

Interfaces

2x male RJ45

Technical Parameters

Standard: TIA/EIA 568B CAT5E
Connector: Shielded RJ45
Shielding: F/UTP
Resistance:100ohm±15%,1MHz to 100MHz
Delay skew:25ns/100m max
Gauge:24AWG solid bare copper
Flame retardant rating: CM, IEC332/1
Storage Temperature: -20℃~80℃
Operation temperature: -20℃~60℃

Item Model for Order

VIS-HL002..... 2m black shielded Cat5e U/FTP cable (shielded RJ45)
VIS-HL003..... 3m black shielded Cat5e U/FTP cable (shielded RJ45)
VIS-HL005..... 5m black shielded Cat5e U/FTP cable (shielded RJ45)
VIS-HL010..... 10m black shielded Cat5e U/FTP cable (shielded RJ45)
VIS-HL020..... 20m black shielded Cat5e U/FTP cable (shielded RJ45)
VIS-HL050..... 50m black shielded Cat5e U/FTP cable (shielded RJ45)
VIS-HL100..... 100m black shielded Cat5e U/FTP cable (shielded RJ45)

About VISSONIC Electronics Limited

Our mission is to develop and manufacture the most comprehensive and innovative audio visual products for our clients. We provide the best performance/price ratio products because it could give you satisfaction just from the time you use them, we believe the good design with cutting edge technology on products will provide value to all our partners and end users. Listen to your demands, we fulfill it.

VISSONIC

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