

---

# ***VISSONIC***

---

Professional Audio Video Manufacturer

## ***CLEACON***

FullDigital Networked DSP Conference System

**PRODUCT DATASHEET**



# **2016**

**VISSONIC ELECTRONICS LTD.**

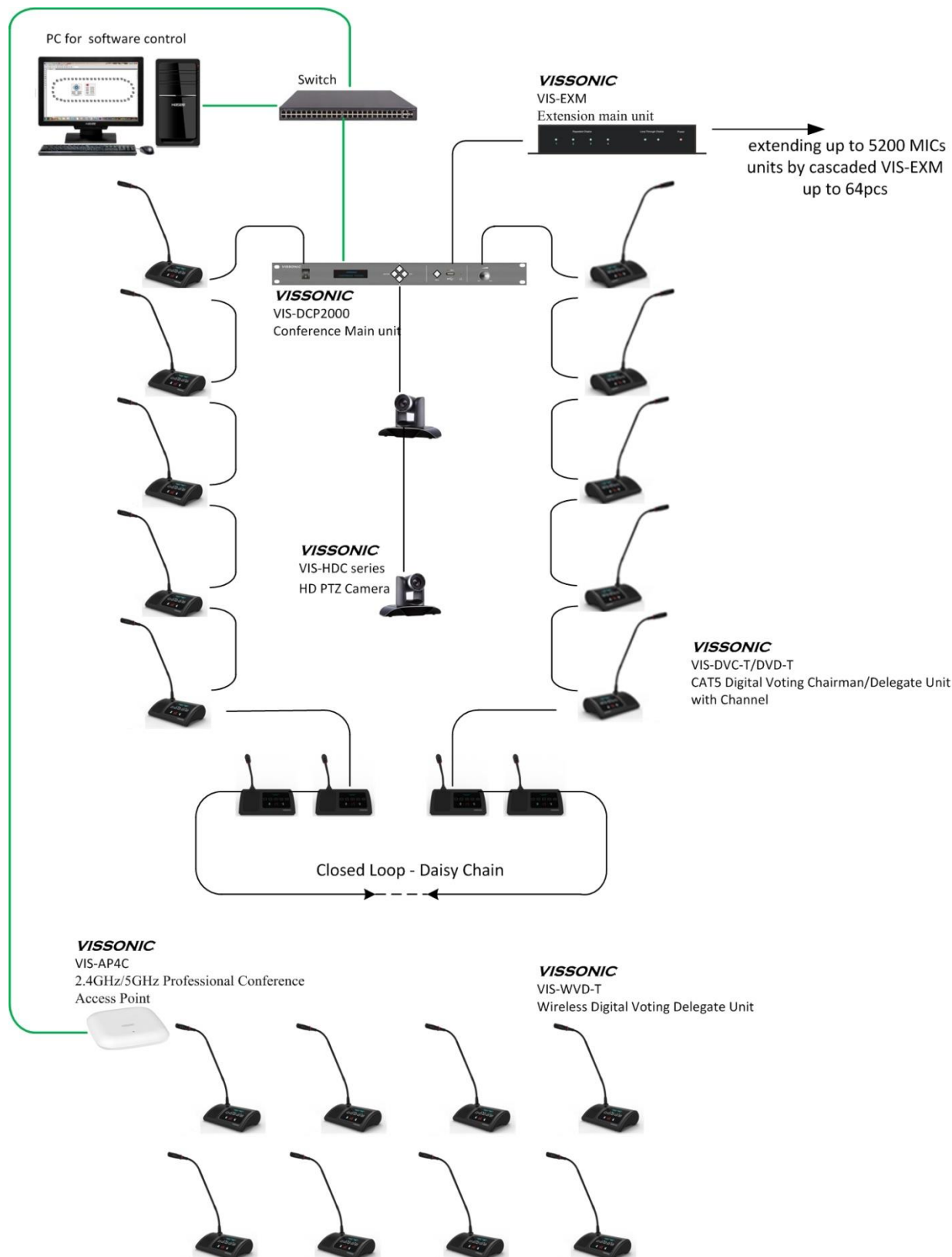
**Think Solutions**

## Table of Content

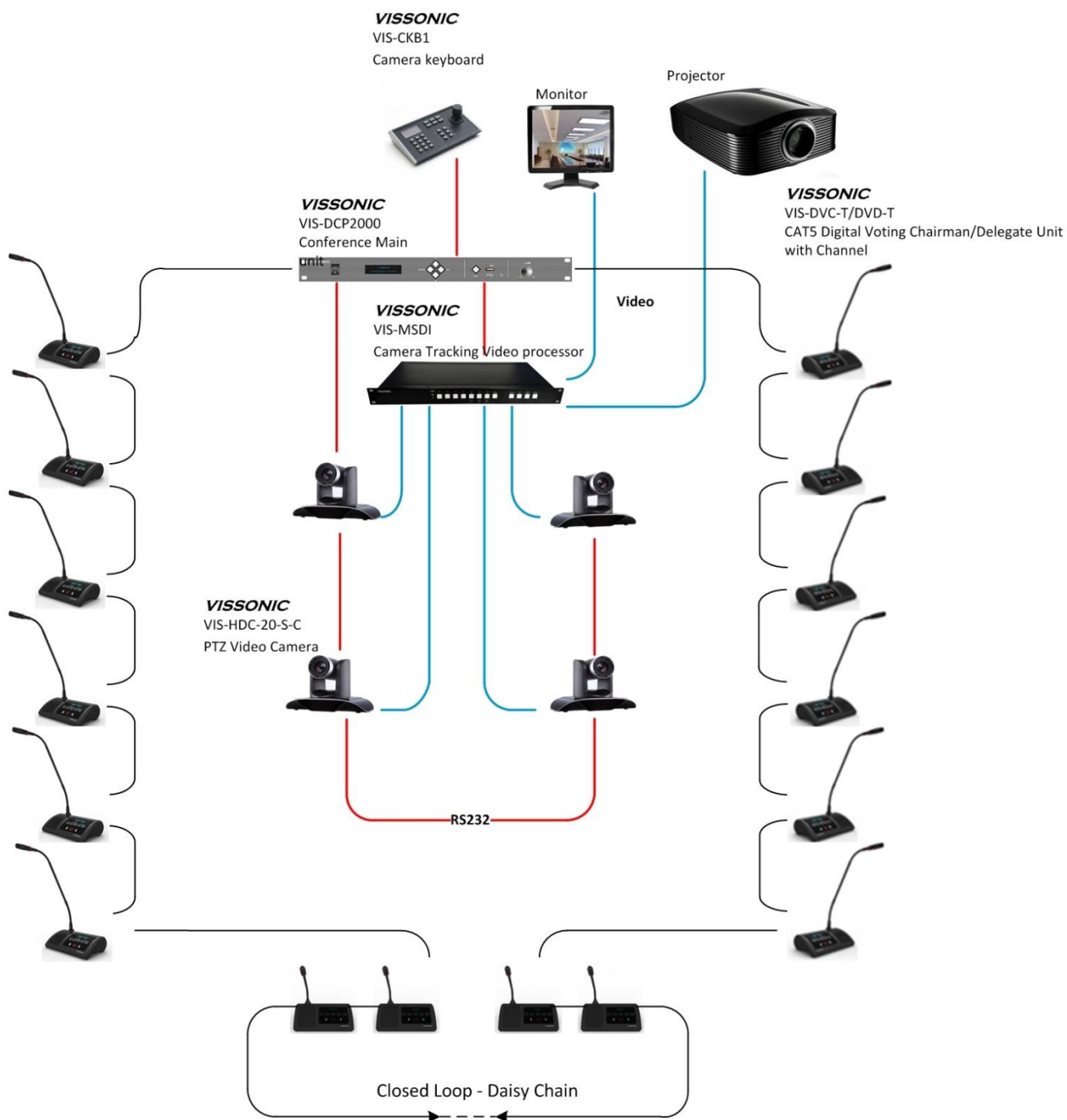
|                                                                       |        |
|-----------------------------------------------------------------------|--------|
| Application diagram.....                                              | 2      |
| Brief introduction for CLEACON series.....                            | 5      |
| <b>VIS-DCP2000</b>                                                    |        |
| Full Digital Networked DSP Conference Processor.....                  | 6      |
| <b>VIS-DCC-T/ VIS-DCD-T</b>                                           |        |
| CAT5 Digital Discussion Chairman/Delegate Unit.....                   | 8      |
| <b>VIS-DVC-T/ VIS-DVD-T</b>                                           |        |
| CAT5 Digital Voting Chairman/Delegate Unit with Channel Selector..... | 11     |
| <b>VIS-DVC-T/ VIS-DVD-T</b>                                           |        |
| CAT5 Digital Voting Chairman/Delegate Unit with Channel Selector..... | 14     |
| <b>VIS-DSC-T/ VIS-DSD-T</b>                                           |        |
| CAT5 Dual Channels Chairman/Delegate Unit.....                        | 17     |
| <b>VIS-CNB</b>                                                        |        |
| Connection Box.....                                                   | 18     |
| <b>VIS-EXM</b>                                                        |        |
| Extension Main Unit.....                                              | 19     |
| <br>Brief introduction for CLEACON Wireless series.....               | <br>20 |
| <b>VIS-WDC-T/ VIS-WDD-T</b>                                           |        |
| Wireless Digital Discussion Chairman/Delegate Unit.....               | 22     |
| <b>VIS-WVC-T/ VIS-WVD-T</b>                                           |        |
| Wireless Digital Voting Chairman/Delegate Unit.....                   | 25     |
| <b>VIS-AP4C</b>                                                       |        |
| 2.4GHz/5GHz Conference Access Point.....                              | 26     |
| <b>VIS-WBTY1</b>                                                      |        |
| Battery pack for wireless chairman/delegate unit.....                 | 27     |
| <b>VIS-WCH1</b>                                                       |        |
| Charger for battery.....                                              | 28     |
| <br><b>Camera Auto-tracking System</b>                                |        |
| <b>VIS-MSDI</b>                                                       |        |
| Camera Auto-tracking 4-Windows Processor.....                         | 30     |
| <b>VIS-CKB1</b>                                                       |        |
| Camera Control Keyboard.....                                          | 32     |
| <b>VIS-HDC series</b>                                                 |        |
| HD PTZ Camera.....                                                    | 35     |
| <b>Accessories</b>                                                    |        |
| <b>VIS-M600/VIS-M410/VIS-M330</b>                                     |        |
| Pluggable Gooseneck Microphone.....                                   | 36     |
| <b>VIS-HL002/HL005/HL010/HL020/HL050</b>                              |        |
| Professional CAT5E conference cables.....                             | 37     |
| <b>Company information</b> .....                                      | 37     |

# Application diagram

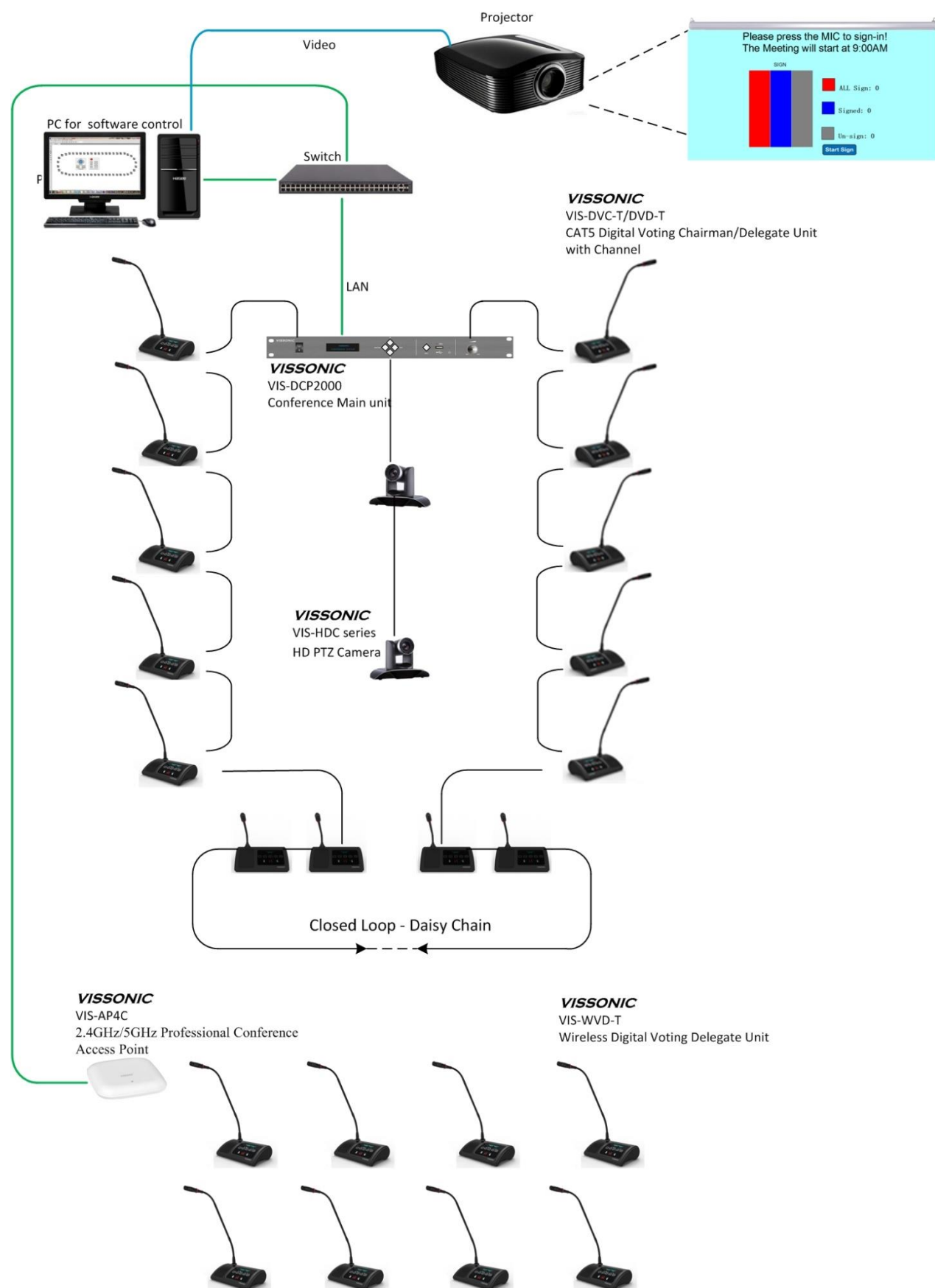
## 1. Wired and Wireless Mixed Conference Diagram



## 2. Camera Auto-tracking System Diagram



## 3. Voting and Projection Diagram



# 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**

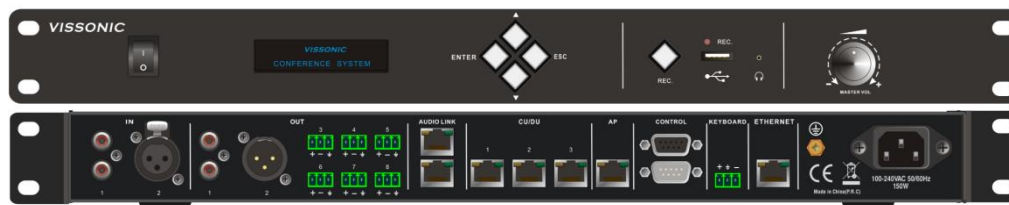
The Central Unit is the center of the system –Provide power to the whole discussion units, control the cameras and link to other third party devices. The 1U compact design is easily to put anywhere while keep a low profile in meeting room.

### **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(Active Noise Control ) 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
- 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:

### 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 automatically assigned to each unit independently ID to avoid duplicate
- "OPEN" Free for all, limited by the active units setting by controller, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "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 x43.6H

Dark gray color

### *Item Model for Order*

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



**CLEACON 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 of MIC 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.
- Strong system robust by the "Hand-in-Hand-Loop-Network" connection method.
- 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 DCC-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.
- 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
- Support 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 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
  - 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, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "APPLY" To apply then to speak
- Work with our HD camera and video matrix switcher, it applies camera auto tracking function
  - The unit showing real time on the screen, and count-down timer for speaking person.

Button: Touchable interface, no physical buttons

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: 185W × 130 D × 50H mm (without microphone)

Operating temperature: 0 °C to + 55 °C

Color: Black

## 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

## 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-M600.....600mm Microphone, with anti-wind foam cover

## Interfaces

Pluggable microphone base

2x 3.5mm stereo headphone jack

1x 3.5mm stereo input jack

2x RJ45 connectors

## Technical Parameters

## CLEACON VIS-DIC-T/ VIS-DIC-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 of MIC 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 can set as interpreter, delegate.
- 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.
- 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 DCC-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.
- 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
- Support 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 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
  - 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, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "APPLY" To apply then to speak
- Work with our HD camera and video matrix switcher, it applies camera auto tracking function
  - The unit showing real time on the screen, and count-down timer for speaking person.

1x 3.5mm stereo input jack  
2x RJ45 connectors

### Technical Parameters

Button: Touchable interface, no physical buttons  
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: 185W × 130 D × 50H mm (without microphone)  
Operating temperature: 0 °C to + 55 °C  
Color: Black

### 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 microphone base

2x 3.5mm stereo headphone jack

### Item Model for Order

VIS-DIC-T.....Digital Interpretation Chairman Unit, microphone and cable not include  
VIS-DID-T.....Digital 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-M600.....600mm Microphone, with anti-wind foam cover

## CLEACON 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 of MIC units are either hiding underneath or from the rear of the unit, makes it convenient for different request of installation,
- Five keys voting function
- Support 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.
- Strong system robust by the "Hand-in-Hand-Loop-Network" connection method.

- 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 modelDVC-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.
- 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
- Support 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 directional microphone head with anti-wind microphone foam cover, with two-color LED indicator
  - Five keys voting function
  - Support 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, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "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
  - Support simultaneous language interpretation
  - Support more voting functions by the PC software
  - Work with our HD camera and video matrix switcher, it applies 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 on microphone, red for speaking, green means need acceptance from chairman to speak  
128x32 OLED display with volume bar, clock, time span of microphone activating, interpretation channels

and language, MIC ON/OFF etc 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 microphone base

2x 3.5mm stereo headphone jack

1x 3.5mm stereo input jack

2x RJ45 connectors

### Technical Parameters

Button: Touchable interface, no physical buttons

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: 185W × 130 D × 50H mm (without microphone)

Operating temperature: 0 °C to + 55 °C

Color: Black

### Item Model for Order

VIS-DVC-T..... Digital Voting Chairman unit with Channel Selector, microphone and cable not include

VIS-DVD-T..... 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(black), with  
anti-wind foam cover

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



## CLEACON VIS-DSC-T/ VIS-DSD-T

CAT5Wired 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 of MIC 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
- Support 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.
- Strong system robust by the "Hand-in-Hand-Loop-Network" connection method.
- 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 modelDSC-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.
- 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
- Support 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 directional microphone head with anti-wind microphone foam cover, with two-color LED indicator
  - Support 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, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "APPLY" To apply then to speak
- Chairman unit has priority to close all other units or mute them temporarily
  - Chairman unit can answer the application for speaking from delegate
  - Support simultaneous language interpretation
- Work with our HD camera and video matrix switcher, it applies 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 on microphone, red for speaking, green means need acceptance from chairman to speak

128x32 OLED display with volume bar, clock, time span of microphone activating, interpretation channels and language, MIC ON/OFF etc 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 microphone base

2x 3.5mm stereo headphone jack

1x 3.5mm stereo input jack

2x RJ45 connectors

### Technical Parameters

Button: Touchable interface, no physical buttons

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: 185W × 130 D × 50H mm (without microphone)

Operating temperature: 0 °C to + 55 °C

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

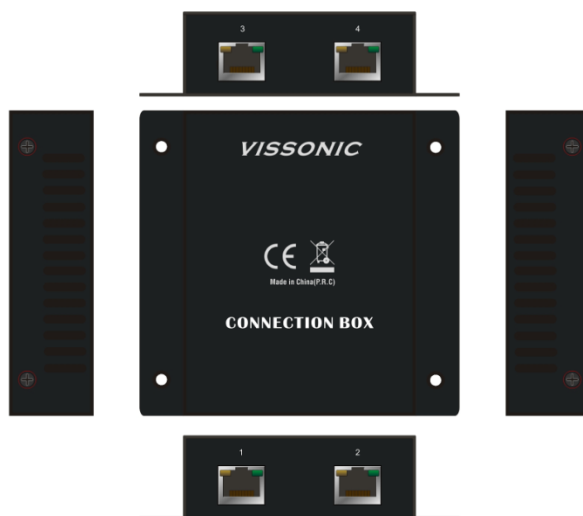
VIS-M330.....330mm Microphone, with anti-wind foam cover

VIS-M410.....410mm Microphone, with anti-wind foam cover

VIS-M600.....600mm Microphone, with anti-wind foam cover

## CLEACON VIS-CNB

Connection box



### Features

- No fan and noiseless design
- Self-locking DC connector
- Compact profile

### Item Model for Order

- VIS-CNB.....connection box

### Functions

- To achieve loop wired architecture with star wired benefits.
- Repeat 3 CU/DU channels.
- Work with professional adaptor to achieve "No fan, Noiseless" power enhancing.
- The distance between VIS-CNB extension main unit up to 100m

### Control & Indicators

ON/OFF Switch to connect or disconnect the power input from upper system.

### Interfaces

4 x RJ45 loop ports or Microphone ports

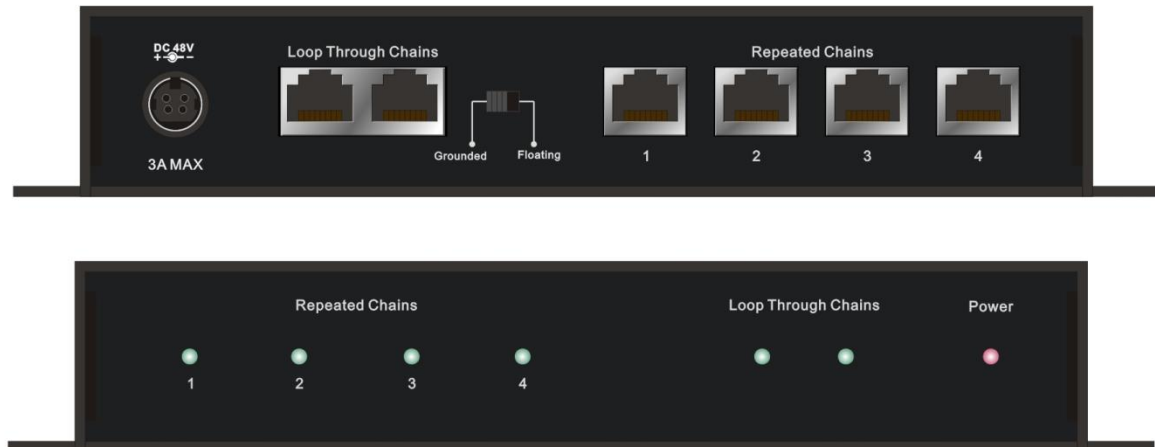
### Technical Parameters

Dimension: 110x29x103mm (WxHxD)

Weight: 0.4KG

## CLEACONVIS-EXM

Extension Main Unit



### Features

- No fan and noiseless design
- Self-locking DC connector
- Compact profile

### Functions

- To achieve loop wired architecture with star wired benefits.
- Get 4 CU/DU channels.
- Work with professional adaptor 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 (WxHxD)

Weight: 0.5KG

### Item Model for Order

VIS-EXM.....Extension main unit

# New Generation 2.4G/5GHz Wi-Fi Conference System, with High Tech in DSP unique Sound Processing

## CLEACON 2.4G/5GHz Wi-Fi Conference System

### **Standard Wi-Fi Communication**

innovative system based on standard Wi-Fi technology and self-adjustment technology. The system work in the 2.4Hz and 5GHz band and get the 44 channels for communication to coexist with other Wi-Fi network . The unique self-adaptive technology is strong anti-interference ability ensure the system interference-free and highly flexible for different application. The standard Wi-Fi Technology make the system can work in around the world and no ISM limit.

### **Ease of Use**

The system is no additional cabling and testing and run under the 25-meter radius of Wi-Fi signal which is full 360-degree coverage. All microphone units automatically identify the access point and communicate with WPA2 secure connection to ensure the conferencing safety.

### **Compact yet versatile design**

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

Our CLEACON wireless conference system is an 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 speaking 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 is one of them.

## CLEACON VIS-WDC-T/VIS-WDD-T

Wireless Digital **Discussion** Chairman/Delegate Unit



### Features

- Stylish, low profile design with touchable interface
- Wireless communication, setting up all system in few minutes to be ready for using, and put them away in short time as well
- Detachable battery pack is easy to replace and charge
- 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
- Full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- Support pluggable microphone and different length of microphone with strong audio collecting ability.
- 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 WDC-T.
- on all channels.
- All-digital transmission and processing technology in uncompressed audio, professional microphone to achieve perfect sound quality at 20Hz ~ 20KHz;
- 128 bits digital encryption technology, with WAP2 secure connection, MAC address filtering, SSID-hiding to prevent wiretapping and unauthorized access from delegate unit
- 8 units of delegates can open at the same time
- Support more AP working together to increasing the Wi-Fi coverage range for wireless MIC units working in a large conference room or multi-rooms
- With our HD PTZ camera and video matrix switcher, using RS485 or RS232 protocol to send the PELCO/VISCA protocol to realize camera auto-tracking 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 adjustment.
- Support AGC(Automatic Gain Control)/AFC(Adaptive Feedback Cancellation)/ANC(Active Noise Control )/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Without using PC software, our conference

### Functions

- Compliance with IEC 60914, GBT 15381-94
- Standard Wi-Fi technology is compatible with other Wi-Fi networks, support 2.4GHz and 5GHz

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, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "APPLY" To apply then to speak

- The unit showing real time on the screen, and count-down timer for speaking person.
- Detachable battery pack is easy to replace and charge, power-saving technology to enable 24 hours continuous use and 48 hours for standby.

### Control & Indicators

Each unit with two-color LED indicator on microphone, red for speaking, 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

Power ON/OFF button is hiding on the left side

### Interfaces

Pluggable microphone base

2x 3.5mm stereo headphone jack

1x 3.5mm stereo input jack

Contact for battery pack

### Technical Parameters

Button: Touchable interface, no physical buttons

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

Equivalent noise: 20dBA (SPL)

Main material: ABS

Operating temperature: 0 °C to + 55 °C

Color: Black

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

Weight: 1.1kg (with microphone)

Dimension: 185 × 130 × 50mm (width × depth × height) (without microphone)

### Item Model for Order

VIS-WLC-T1.....Wireless Discussion Chairman unit, battery and microphone are not included

VIS-WLD-T1.....Wireless Discussion Delegate unit, battery and microphone are not included

VIS-WBTY1.....Battery pack for each unit, 8.4VDC, 6600mA

VIS-WCH1.....Charger for battery

VIS-M330.....330mm Microphone, with anti-wind foam cover

VIS-M410.....410mm Microphone, with anti-wind foam cover

VIS-M600.....600mm Microphone, with anti-wind foam cover



## CLEACON VIS-WVC-T/VIS-WVD-T

Wireless Digital Voting Chairman/Delegate Unit



### Features

- Stylish, low profile design with touchable interface
- Wireless communication, setting up all system in few minutes to be ready for using, and put them away in short time as well
- Detachable battery pack is easy to replace and charge
- 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
- Full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- Support pluggable microphone and different length of microphone with strong audio collecting ability.
- 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 WVC-T.
- on all channels.
- All-digital transmission and processing technology in uncompressed audio, professional microphone to achieve perfect sound quality at 20Hz ~ 20KHz;
- 128 bits digital encryption technology, with WAP2 secure connection, MAC address filtering, SSID-hiding to prevent wiretapping and unauthorized access from delegate unit
- 8 units of delegates can open at the same time
- Support more AP working together to increasing the Wi-Fi coverage range for wireless MIC units working in a large conference room or multi-rooms
- With our HD camera and video matrix switcher, using RS485 or RS232 protocol to send the PELCO/VISCA protocol to realize camera auto-tracking function
- Precise directional microphone head with anti-wind microphone foam cover, with two-color LED indicator.
- 5 voting buttons and 1 MIC ON/OFF button, 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
- Support AGC(Automatic Gain Control)/AFC(Adaptive Feedback Cancellation)/ANC(Active Noise Control )/Mix (Auto-Mix) technology

### Functions

- Compliance with IEC 60914, GBT 15381-94
- Standard Wi-Fi technology is compatible with other Wi-Fi networks, support 2.4GHz and 5GHz

- Build-in functions for intercom
  - 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, "FIFO" First in First out, "PTT" Keep pressing button when speaking, "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
- Support more voting functions by the PC software
  - The unit showing real time on the screen, and count-down timer for speaking person.
  - Detachable battery pack is easy to replace and charge, power-saving technology to enable 24 hours continuous use and 48 hours for standby

## Control & Indicators

Each unit with two-color LED indicator on microphone, red for speaking, 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

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.

Indicator for MIC ON/OFF

Chairman unit with priority button and consent button for the delegates

Power ON/OFF button is hiding on the left side

## Interfaces

Pluggable microphone base

2x 3.5mm stereo headphone jack

1x 3.5mm stereo input jack

Contact for battery pack

## Technical Parameters

Button: Touchable interface, no physical buttons

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

Equivalent noise: 20dBA (SPL)

Main material: ABS

Operating temperature: 0 °C to + 55 °C

Color: Black

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

Weight: 1.1kg (with microphone)

Dimension: 185 × 130 × 50mm (width × depth × height) (without microphone)

## Item Model for Order

VIS-WVC-T.....Wireless Voting Chairman unit, battery and microphone are not included

VIS-WVD-T.....Wireless Voting Delegate unit, battery and microphone are not included

VIS-WBTY1.....Battery pack for each unit, 8.4VDC, 6600mA

VIS-WCH1.....Charger for battery

VIS-M330.....330mm Microphone, with anti-wind foam cover

VIS-M410.....410mm Microphone, with anti-wind foam cover

VIS-M600.....600mm Microphone, with anti-wind foam cover

## CLEACON VIS-AP4C

2.4GHz/5GHz Conference Access Point



### Features

- Connect with the conference processor DCP2000, or with the switch to extend more conference AP in the same system.
- Typical coverage range 30m
- Install on ceiling, wall or with stand rack mount
- 128 bits digital encryption technology, with WAP2 secure connection, MAC address filtering, SSID-hiding to prevent wiretapping and unauthorized access from delegate unit

Access Point (White)

### Functions

- LED indicator for signal/power
- 2.4G/5GHz dual band communication
- LAN support POE power supply
- RJ45 for LAN connection

### Technical Parameters

Power Consumption Operational: 11 Watt

Power Over Ethernet(POE)supported: POE

Installation: Ceiling, Wall or Stand Rack

Dimension: 17\*17\*2.8cm(WxDxH)

Weight: 316g

Color: White

### Item Model for Order

VIS-AP4C..... 2.4GHz/5GHz Conference

## CLEACON VIS-WBTY1

Battery pack for wireless chairman/delegate unit



### Features

- Long life and lasting stability of charging performance
- After fully charged it can use 26 hours
- Four hours needed to fully charge
- Efficient lithium batteries

VIS-WCH1..... Charger for battery, 8 pcs  
VIS-WBTY1 at one time

### Functions

Contacting by pop-up pins

Buckle housing to prevent poor contact or dropping

### Certifications

CE certification

### Technical Parameters

Battery capacity: 6600mA

Output voltage: 8.4VDC

Weight: 285g

Operation temperature: -20℃~60℃

### Item Model for Order

VIS-WBTY1..... Battery pack for wireless  
units,6600mA8.4VDC

## CLEACON VIS-WCH1

Charger for battery

### *Features*

- Four hours needed to fully charge units, 6600mA 8.4VDC
- MAX 8 pcs battery charging at one time VIS-WCH1..... Charger for battery, 4 pcs
- Wide range power input: 100V~240V AC VIS-WBTY1 at one time
- Buckle housing to prevent poor contact or dropping, light in weight for easy moving

### *Functions*

Contacting by pop-up pins

Buckle housing to prevent poor contact or dropping

### *Certifications*

CE certification

### *Technical Parameters*

Input: 100 ~ 240VAC 47 ~ 63HZ

Output: 8.4V/1000mA

Power consumption: 20W

Size: 190\*86\*127mm(LxWxH)

Weight: 1100g

### *Item Model for Order*

VIS-WBTY1..... Battery pack for wireless

## Camera Auto-tracking System

### VIS-MSDI

Camera Auto-tracking 4-Windows Processor



### Features

- OSD menu is available to set the parameter
- 1-window,2-windows,3-windows,4-windows,zoom up, zoom down display mode
- Support VGA,HDMI output

### Functions

- Turn on/off the channel number indicators
- Output 720P or 1080P resolution
- Support front panel,IR,RS-232 control
- Setting saving protection against power off
- VGA output for monitoring in the control room and HDMI output to the main screen

### Control & Indicators

Power indicators

Run indicator

IR receiving window

W2 for 2 windows mode, W3 for 3 windows mode, W4 for 4 windows mode indicators and buttons

SD/HD resolution switching button and indicator

Menu indicators and buttons

up/dn/left/right buttons and indicators

Power supply switcher on rear panel

### Interface

1x Power socket

4x SDI input channels

1xVGA mirror output

1xHDMI output

1xRS232 input

1xRS232 loop output

### Technical Parameters

#### VGA Input

Input Interface: HD15

Synchronous mode: HV separate sync, composite sync, sync on green

Pixel Clock:165MHz

Resolution:640x480 / 85HZ to 1920x1200 / 60HZ

Color depth:24bit, 1677 million colors

#### HDMI / DVI Input

Input Interface: HDMI (DVI-compatible signals)

Resolution: Support 480I ~ 1080P input, 480i, 576i, 480P, 576P, 720P, 1080i, 1080P

Color depth:24bit, 1677 million colors

#### SDI video Input

Input format: SMPTE 259M, 292M, 344M, 424M,

Identification Information: Automatic Identification

Rate:143Mbps ~ 2.97Gbps

Interface Type: BNC

#### Outputs

Output Interface: HDMI connector, VGA connector

Output Format: HDMI 1.3B digital signal output

Output resolution:720P, 1080P

Output Refresh Rate:60Hz

Color depth:24bit, 1677 million colors

#### Others:

Control port:RS232

power supply: AC 90-240V / 50-60HZ

The display unit: Single chassis can support up to 24 input signals by cascaded connection.

Power Consumption:8W / Road

Chassis Specifications:1U

Size:482 (L) x 200 (W) x45 (H) mm

Weight:2Kg

### Item Model for Order

VIS-MSDI..... Camera Auto-tracking  
4-Windows Processor  
VIS-HDC-12-S-C.....HD PTZ CAMERA(12x  
optical zoom, 3G-SDI, DVI(HDMI), LAN, Ceiling  
mount bracket)  
VIS-HDC-12-S-W..... HD PTZ CAMERA  
(12x optical zoom, 3G-SDI, DVI(HDMI), LAN, Wall  
mount bracket)  
VIS-HDC-20-S-C..... HD PTZ CAMERA (20x  
optical zoom, 3G-SDI, DVI(HDMI), LAN, Ceiling  
mount bracket)  
VIS-HDC-20-S-W..... HD PTZ CAMERA  
(20x optical zoom, 3G-SDI, DVI (HDMI), LAN, Wall  
mount bracket)  
VIS-CKB1..... Camera Control Keyboard  
(Metal housing, Grey,3D)

## **VIS-CKB1**

Camera Control Keyboard





## Features

- Metal Housing , computer keyboard design
- Support PELCO-D , PELCO-P , VISCA Protocols
- Chinese/English LCD , Key-pressing prompting voice available
- With three dimensional joystick, can control the variable speed of the camera or Pan/Tilt
- Two dimensional keyboard control , can be accurate to every speed level

## Functions

- Can control the camera or pan/tilt rotation , zoom , iris , focus and camera parameter setting
- Can control the camera or pan/tilt preset tour , pattern , absolute position , zoom operation , AUX operation and so on
- The common special function can be selectable
- Real time display the decoder and matrix's working status
- Short circuit protection , automatic recovery program design for communication port
- Multi interface control signals: RS485, RS422 , RS232 , can control max 256 unit of camera
- Max. communication distance : 1200 M (0.5mm twisted pairs )

## Control & Indicators

LCD display

Three dimensional joystick

Channels selecting buttons

Function shortcut buttons

## Interface

1x RJ45 port

1xRS232 DP9 connector

1x 3 pins phoenix connector

## Technical Parameters

Communication Mode: RS-485 semi-duplex,RS-422 full-duplex,RS232 full-duplex

Baud Rate:1200/2400/4800/9600 bit/s

Interface: RJ45 network interface,RS232 standard jack, terminal

Voltage:DC12V

Power:5W

Display: LCD

Working Temperature:-10~+50℃

Working Humidity:10~90%(no-condensation)

Weight:1.5kg

Dimension:271(L)x181(W)x54(H)mm

## Item Model for Order

VIS-CKB1..... Camera Control Keyboard  
(Metal housing, Grey, 3D)

VIS-MSDI..... Camera Auto-tracking  
4-Windows Processor

VIS-HDC-12-S-C.....HD PTZ CAMERA(12x  
optical zoom, 3G-SDI, DVI(HDMI), LAN, Ceiling  
mount bracket)

VIS-HDC-12-S-W..... HD PTZ CAMERA

(12x optical zoom, 3G-SDI, DVI(HDMI), LAN, Wall mount bracket)

VIS-HDC-20-S-C..... HD PTZ CAMERA (20x optical zoom, 3G-SDI, DVI(HDMI), LAN, Ceiling mount bracket)

VIS-HDC-20-S-W..... HD PTZ CAMERA (20x optical zoom, 3G-SDI, DVI (HDMI), LAN, Wall mount bracket)

**VIS-HDC series**

[www.vissonic.com](http://www.vissonic.com)



## Features

- Full HD 1080P
- 20x Optical Zoom
- Support USB3.0, IP stream

## Functions

**Good Image Performance---**1/2.8-Type, 2.2 Megapixel High Speed MOS Image Sensor and resolution is up to 1920x1080 with frame rate up to 60 fps.

**Great Zoom Range---**20x Optical Zoom with 2.9-degree tele end and 55.4-degree wide field of view or 12x Optical Zoom with 6.3-degree tele end and 72.5-degree wide field of view

**Multiple video interface---**Simultaneous HD-SDI, DVI(HDMI/YPbPr), IP Stream(H.264, H.265) Video Outputs

**Easy and Flexible Control---**Built-in web-server for configuration and control; IR remote Controller; rich command resource.

**Multiple Network Protocol---**ONVIF, RTSP, RTMP protocols and RTMP push mode, easy to link streaming media server (Wowza, FMS)

**Three Installation Options---**Desktop, Wall mount, Ceiling mount

## Technical Parameters

| Model                   | VIS-HDC-12                                                                                                                                                                                                                                                                                                                                       | VIS-HDC-20              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>Camera Parameter</b> |                                                                                                                                                                                                                                                                                                                                                  |                         |
| Optical Zoom            | <b>12X</b> f=3.9~46.1mm                                                                                                                                                                                                                                                                                                                          | <b>20X</b> f=4.7~94mm   |
| Sensor                  | 1/2.8 inch high quality HD CMOS sensor                                                                                                                                                                                                                                                                                                           |                         |
| Effective Pixels        | 16: 9 2.07 megapixel                                                                                                                                                                                                                                                                                                                             |                         |
| Video Format            | <b>VIS-HDC-12-S, VIS-HDC-20-S interface video format</b><br>1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/30/25/59.94/29.97<br><br><b>VIS-HDC-12-U, VIS-HDC-20-U interface video format</b><br>1920X1080P60/50/30/25; 1280X720P60/50/30/25; 960X540P30; 640X360P30<br>960X540P30; 640X360P30; 1280X720P10/15; 720X576P50; 720X480P60 |                         |
| View Angle              | 6.3°(tele)--72.5°(wide)                                                                                                                                                                                                                                                                                                                          | 2.9°(tele)--55.4°(wide) |
| Aperture                | F1.8 ~ F2.4                                                                                                                                                                                                                                                                                                                                      | F1.6 ~ F3.5             |
| Digital Zoom            | 10×                                                                                                                                                                                                                                                                                                                                              |                         |
| Minimum Illumination    | 0.5Lux (F1.8, AGC ON)                                                                                                                                                                                                                                                                                                                            |                         |

|                                |                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| DNR                            | 2D & 3D DNR                                                                                                             |
| White Balance                  | Auto/Manual/ One Push/ 3000K/ 4000K/5000K/6500K                                                                         |
| Focus                          | Auto/Manual                                                                                                             |
| Aperture                       | Auto/Manual                                                                                                             |
| Electronic Shutter             | Auto/Manual                                                                                                             |
| BLC                            | ON/OFF                                                                                                                  |
| WDR                            | OFF/ Dynamic level adjustment                                                                                           |
| Video Adjustment               | brightness, color, saturation, contrast, sharpness, B/W mode and gamma curve                                            |
| SNR                            | >55dB                                                                                                                   |
| <b>Input/ Output Interface</b> |                                                                                                                         |
| Video Interfaces               | VIS-HDC-12-S, VIS-HDC-20-S Model: 3G-SDI, DVI (HDMI), LAN,<br>VIS-HDC-12-U, VIS-HDC-20-U Model: USB3.0, DVI (HDMI), LAN |
| Image Code Stream              | Dual streams output                                                                                                     |
| Video Compression Format       | H.264, H.264+                                                                                                           |
| Control Signal Interface       | RS-232, Ring through RS232 output                                                                                       |
| Control Protocol               | VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps                                                              |
| Audio Input Interface          | Dual track 3.5mm linear input;                                                                                          |
| Audio Compression Format       | AAC/MP3/PCM Audio compression                                                                                           |
| HD IP Interface                | 100M IP port (10 / 100BASE-TX) Support VISCA protocol control through IP port                                           |
| Network Protocol               | RTSP/RTMP,ONVIF                                                                                                         |
| Power Interface                | HEC3800 outlet (DC12V)                                                                                                  |
| <b>PTZ Parameter</b>           |                                                                                                                         |
| Pan Rotation                   | ±170°                                                                                                                   |
| Tilt Rotation                  | -30° ~ +90°                                                                                                             |
| Pan Control Speed              | 0.1 ~100°/sec                                                                                                           |
| Tilt Control Speed             | 0.1~ 45°/sec                                                                                                            |
| Preset Speed                   | Pan: 100°/sec, Tilt: 45°/sec                                                                                            |
| Preset Number                  | 255 presets (10 presets by remote controller)                                                                           |
| <b>Other Parameter</b>         |                                                                                                                         |
| Supply Adapter                 | AC110V-AC220V to DC12V/1.5A                                                                                             |
| Input Voltage                  | DC12V±10%                                                                                                               |
| Input Current                  | 1A (max)                                                                                                                |
| Consumption                    | 12W (max)                                                                                                               |
| Store Temperature              | -10℃ to +60℃                                                                                                            |
| Store Humidity                 | 20% --95%                                                                                                               |
| Working Temperature            | -10℃ to +50℃                                                                                                            |
| Working Humidity               | 20%--80%                                                                                                                |
| Dimension                      | 258mmX172mmX169mm                                                                                                       |
| Weight                         | 1.54KG                                                                                                                  |
| Environment                    | Indoor                                                                                                                  |
| Remote Operation (IP port)     | remote upgrade, remote reboot and remote reset                                                                          |
| Accessory                      | power supply,RS232 control cable, USB cable, remoter, user manual, warranty card                                        |

## *Item Model for Order*

VIS-CKB1..... Camera Control Keyboard  
(Metal housing, Grey, 3D)

VIS-HDC-12-S-C ..... Model-12x optical zoom,  
3G-SDI, DVI (HDMI), LAN, Ceiling mount bracket

VIS-HDC-12-S-W ..... Model-12x optical  
zoom, 3G-SDI, DVI (HDMI), LAN, Wall mount  
bracket

VIS-HDC-20-S-C ..... Model-20x optical zoom,  
3G-SDI, DVI (HDMI), LAN, Ceiling mount bracket

VIS-HDC-20-S-W ..... Model-20x optical  
zoom, 3G-SDI, DVI (HDMI), LAN, Wall mount  
bracket

VIS-HDC-12-U-C ..... Model-12x optical  
zoom, USB3.0, DVI (HDMI), LAN, Ceiling mount  
bracket

VIS-HDC-12-U-W..... Model-12x optical  
zoom, USB3.0, DVI (HDMI), LAN, Wall mount  
bracket

VIS-HDC-20-U-C ..... Model-20x optical  
zoom, USB3.0, DVI (HDMI), LAN, Ceiling mount  
bracket

VIS-HDC-20-U-W ..... Model-20x optical  
zoom, USB3.0, DVI (HDMI), LAN, Wall mount  
bracket

## Accessories

### VIS-M600/VIS-M410/VIS-330

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

#### 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-M410 410mm

Weight:

VIS-M600 120g

VIS-M410 100g

Color:

Black

#### Item Model for Order

## VIS-HL002/ 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 $\pm$ 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..... 1.5m 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

### Contact:

Tel:86-020-82515140

E-mial:info@vissonic.com

Address: Buliding No.1,Yimin Technology Park, No.232 Kezhu North Road,Huangpu Guangzhou China