



VISSONIC ELECTRONICS LTD.



Building No.9 KeJi St.,Lanyusi St.,Kaifa Rd.,Economic development Zone,Huangpu district,Guangzhou,China

☎ 020-82515140 ✉ info@vissonic.com 🌐 www.vissonic.com



CATALOG

VISSONIC

PROFESSIONAL AUDIO/VISUAL
MANUFACTURER

Pro AV Equipments Manufacturer

About us

VISSONIC Electronics, is a company mainly design, develop and manufacture professional audio visual products for global market.

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.

Complete AV Solution

Full digital networked DSP wired conference system, 5G Wi-Fi wireless conference system, digital array microphone, HD camera tracking system, AV conference recorder, 4K HDMI matrix switcher, Modular matrix switcher and central control system

Our competency

Over 10 years experienced Sales/R&D people in Audio/visual industry, know well about what is most needed products in this field.

Deeply combine traditional audio/visual products with network communication, AV/IT become the core technology into our creative solutions

We are proud of turning your constructive ideas into reality by our strong design/research/production ability, developing new methods for users is our goal.

We keep your solution easy to manage

- By providing our clients the simple/flexible products to use
- By providing our clients the prompt technical support
- By providing our clients the gateway of latest technology in trend

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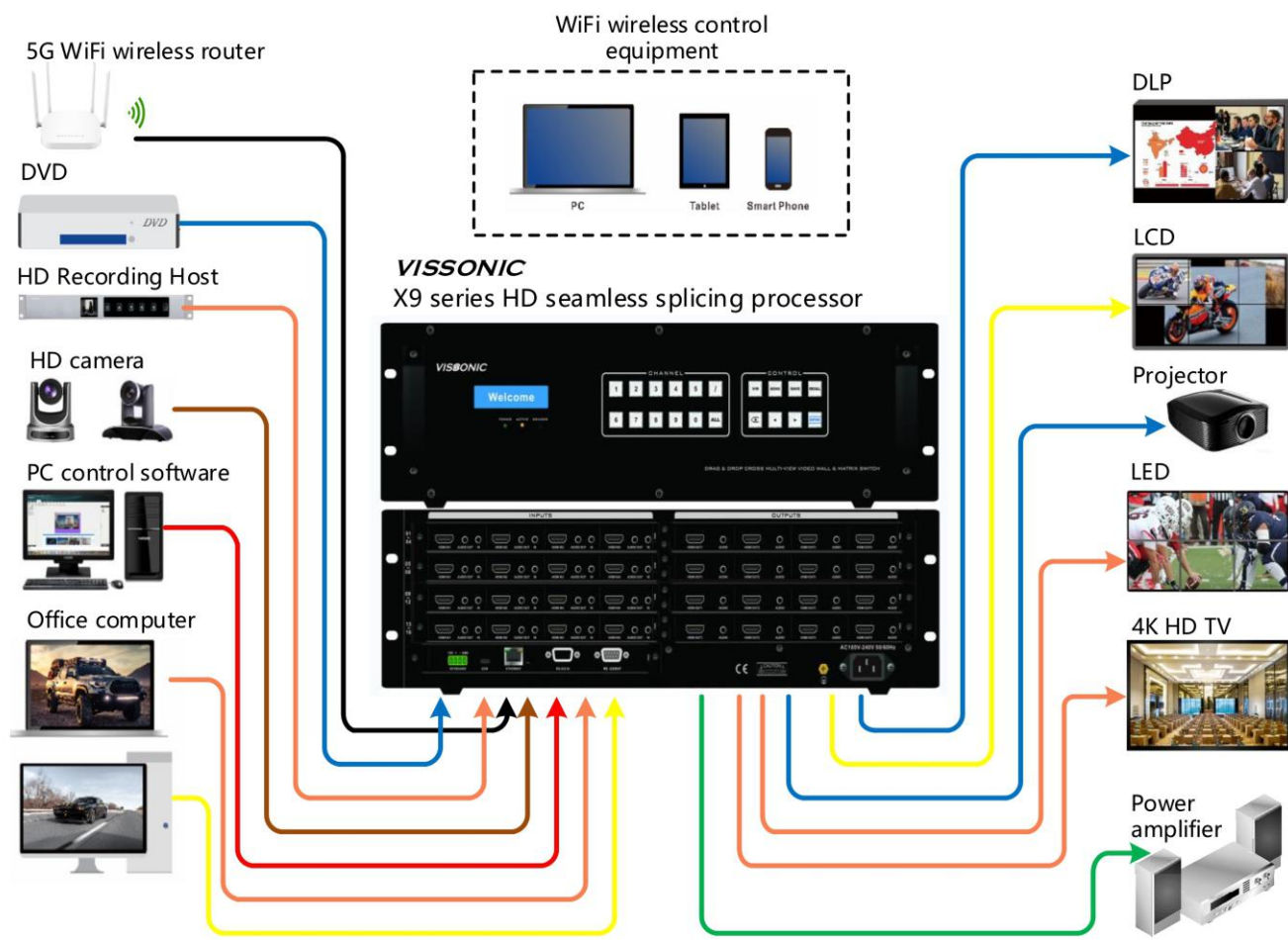
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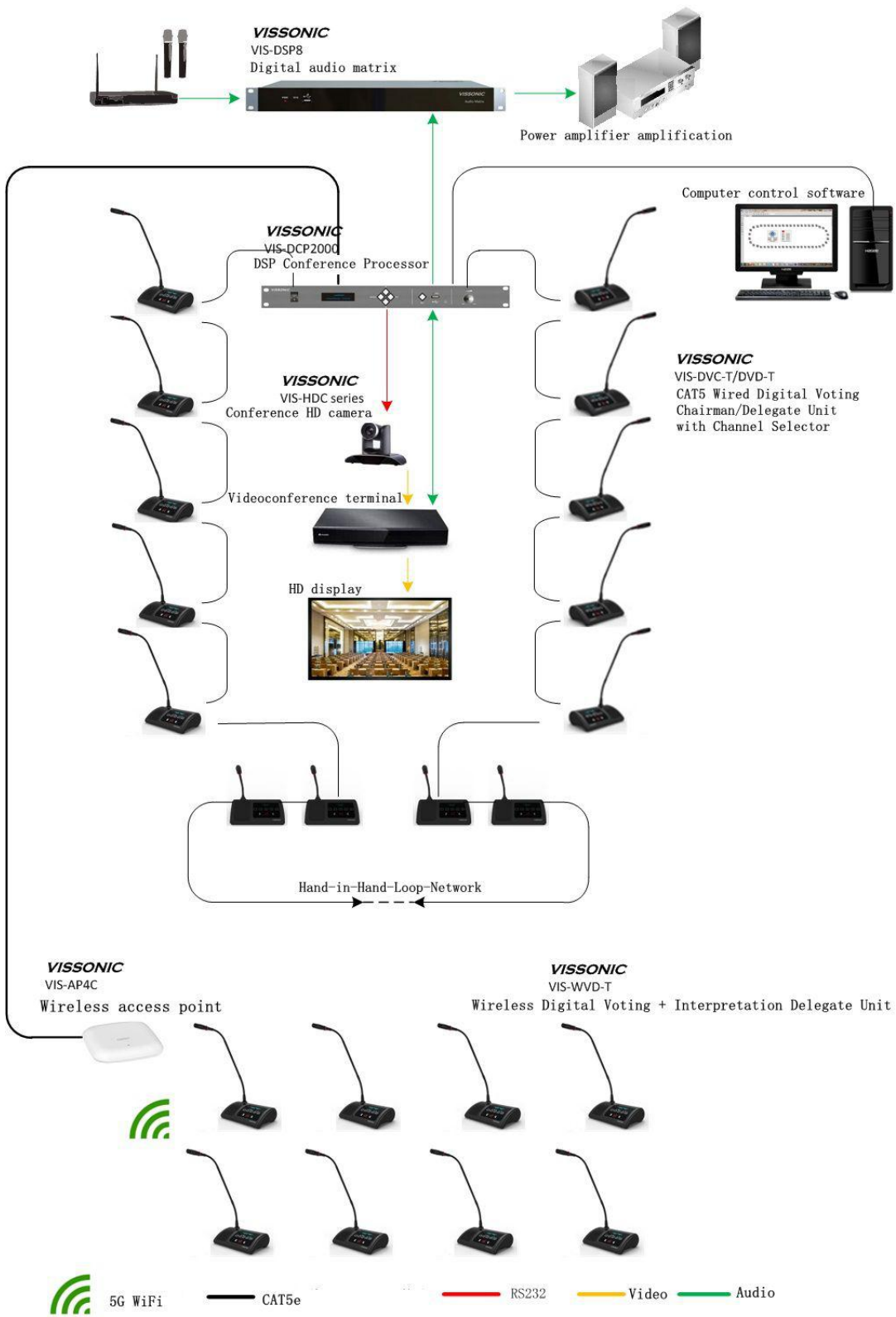
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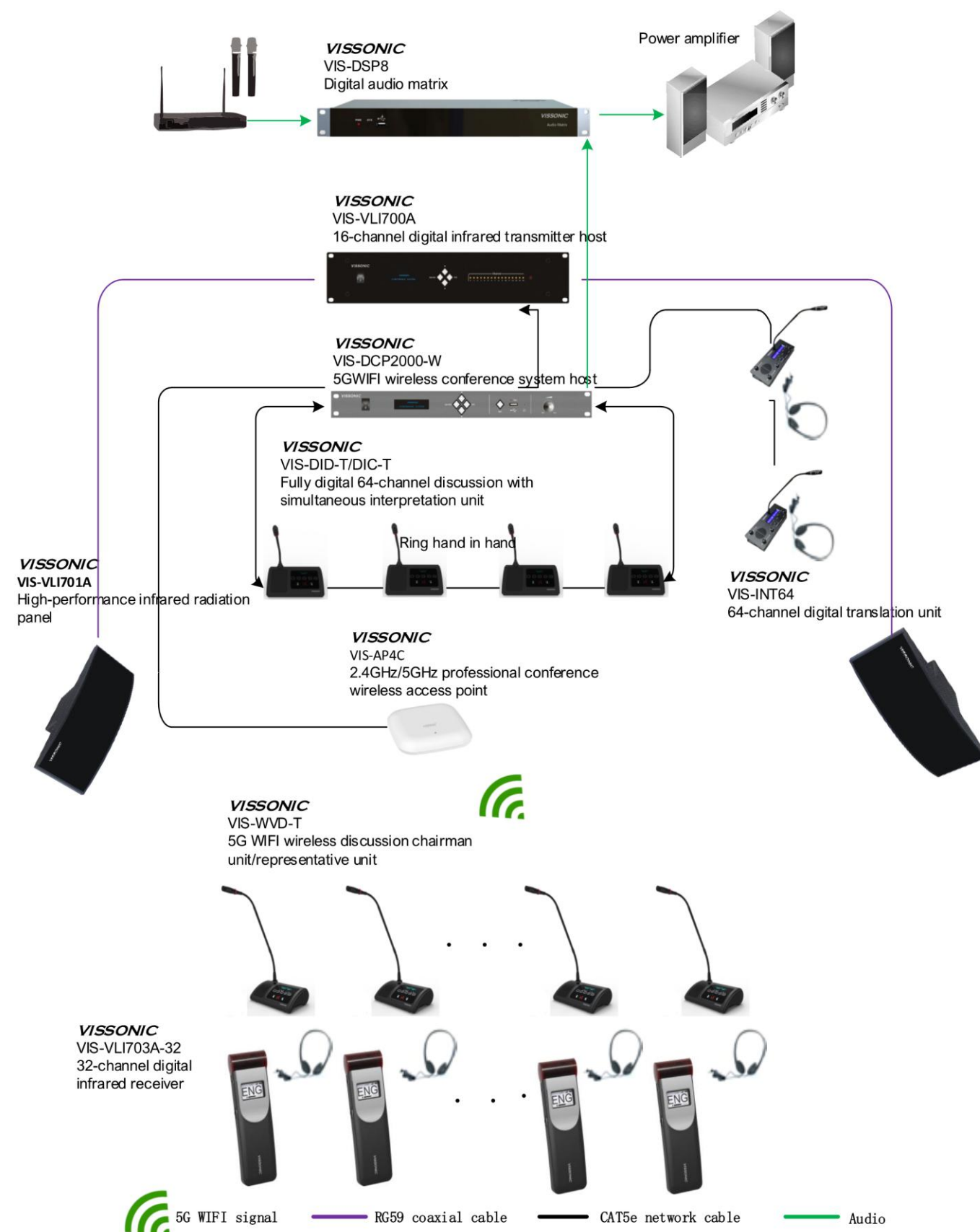
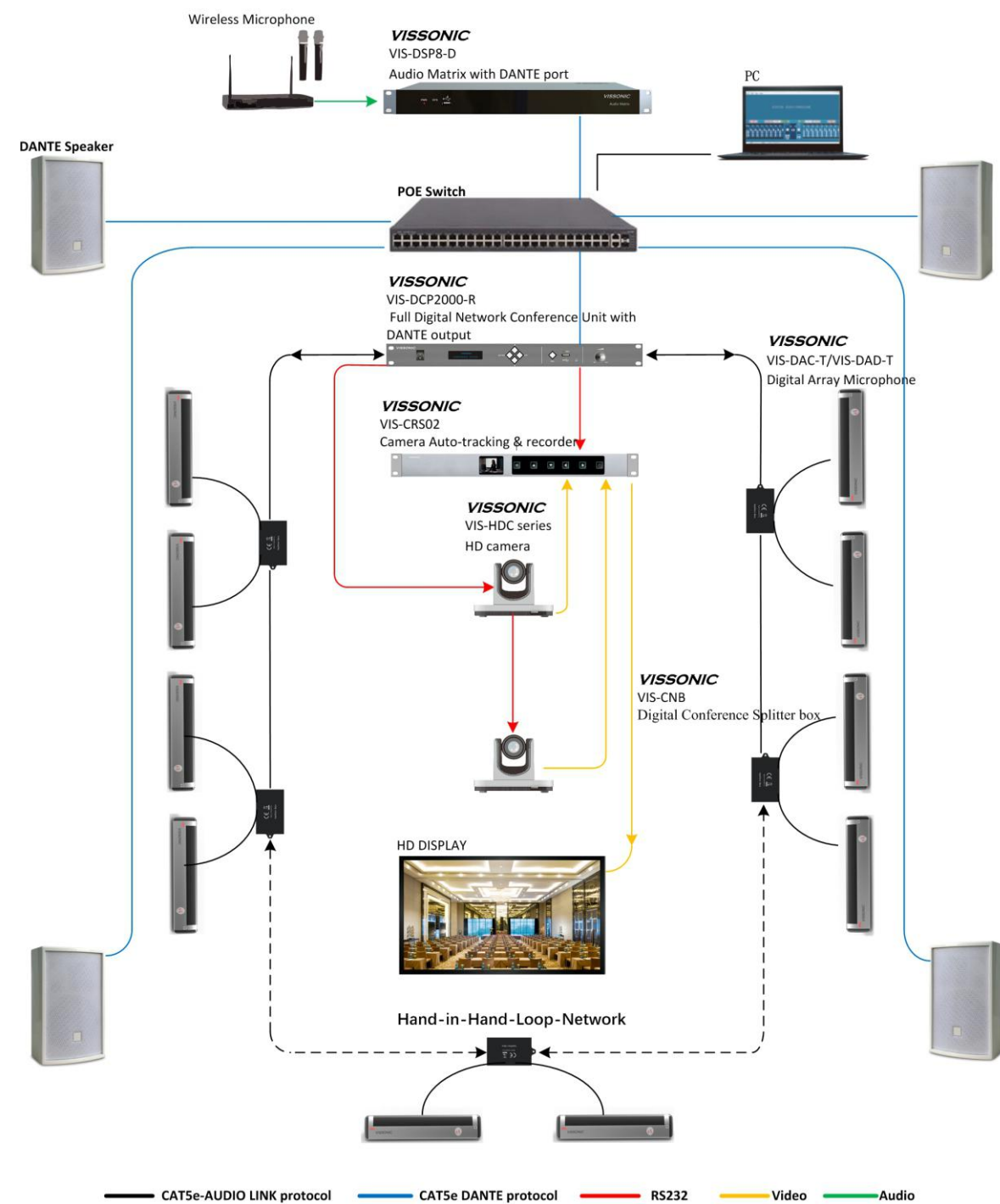
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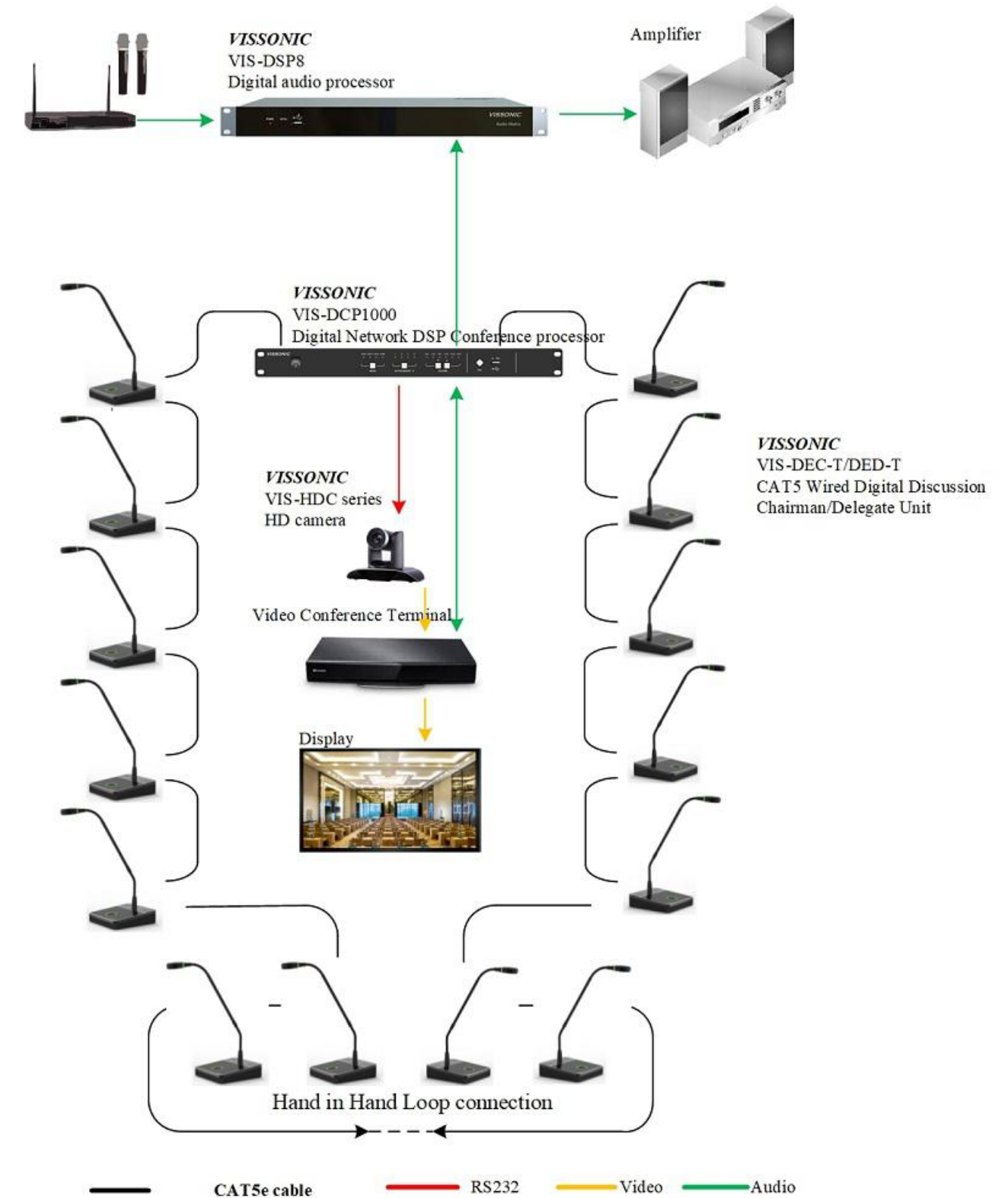
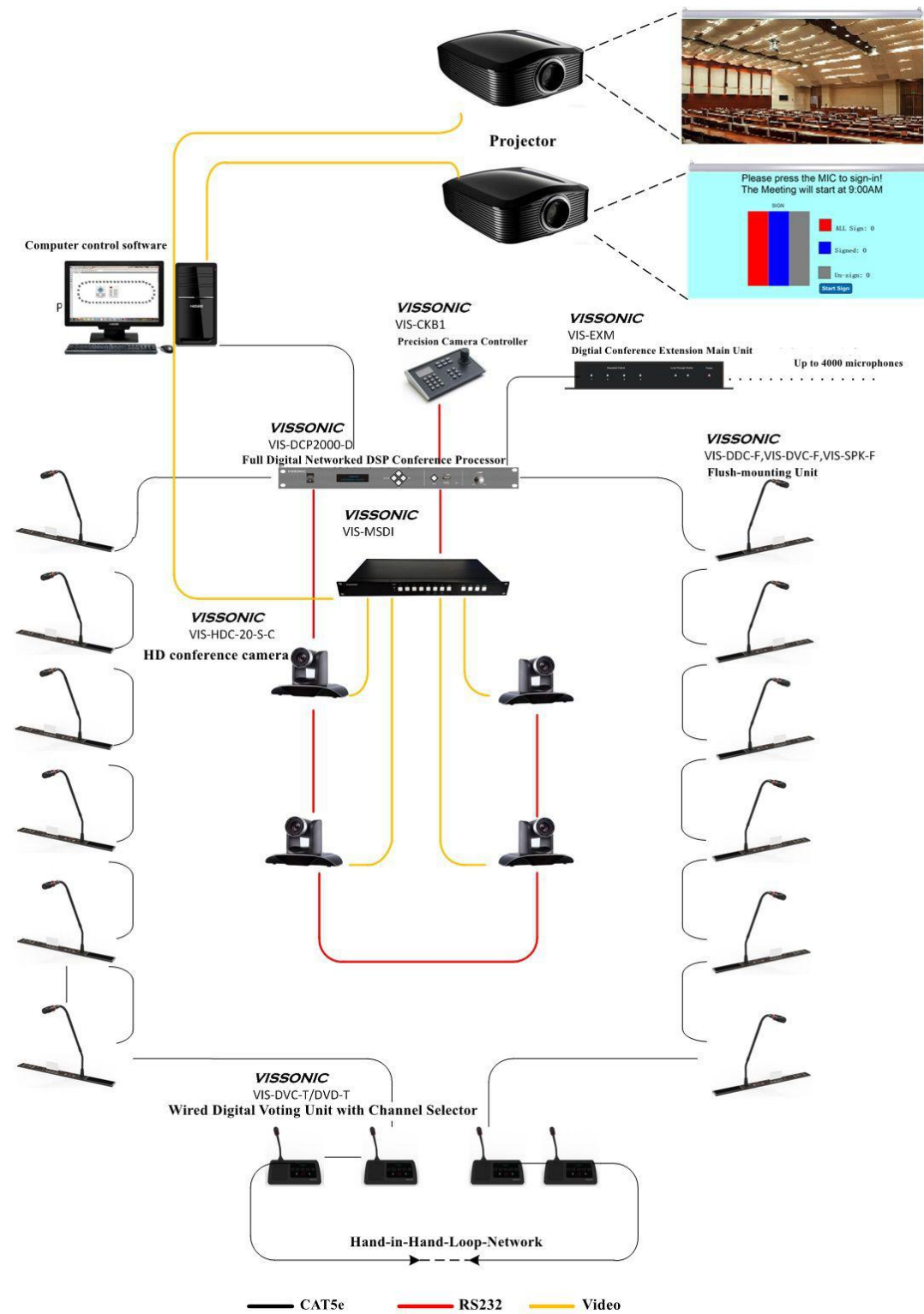
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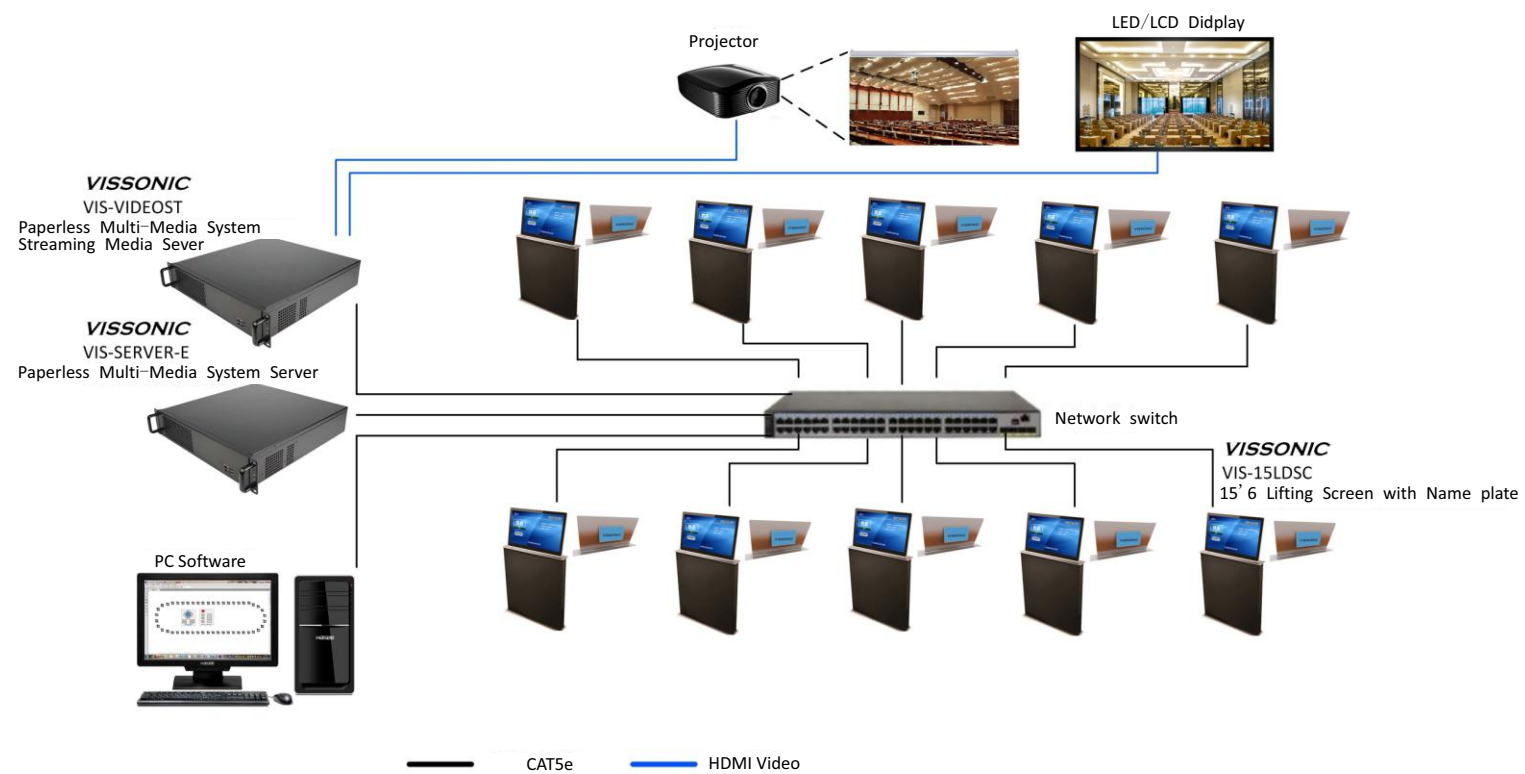


	Audio cable		RS-232		HDMI
	DVI		CAT5e cable		
	VGA		SDI		









United Nations Lebanese Conference Hall



Russian Duma Conference Hall



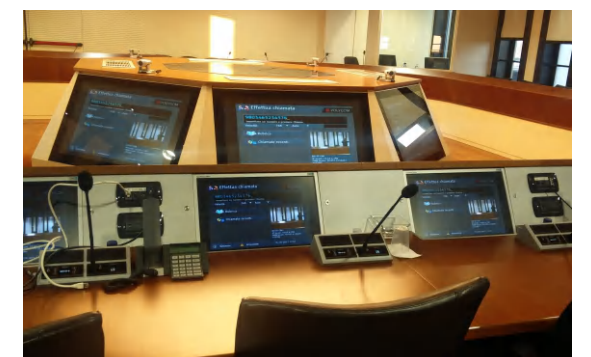
Spanish City Hall



Sri Lanka Conference Hall



Kazakhstan court



Italian European Insurance Center



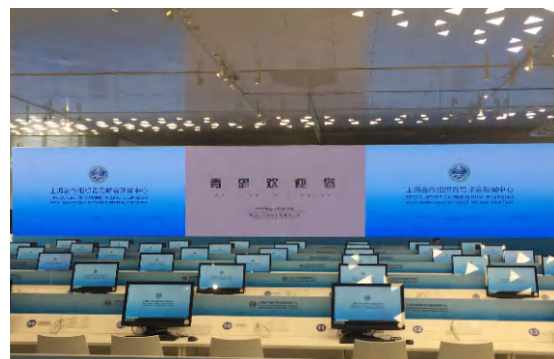
Dubai University



Korean army



2018 China-Africa Cooperation Beijing Forum



2018 Shanghai Cooperation Organization (SCO) Summit



Customs project



Public security project



Top 500 enterprise projects



Bank project



Command center project



Army Project



French exhibition



Italy Exhibition



2018 Prolight+Sound Exhibition



2019 Europe ISE Exhibition



2019 India infocomm exhibition



2020 Prolight+Sound Exhibition



2020 Beijing Infocomm China



2020 Europe ISE Exhibition

New Generation Full Digital Wi-Fi Wireless Conference System Instantly Setup, leave more time for inspiring minds

VISSONIC CLEACON, make wireless come true

The major pain point on traditional meeting room is to connect all devices by cable, which is complex and wasting of time. VISSONIC Wireless conference system, start the meeting in anytime, anywhere, increase the efficiency on planning.

Standard Wi-Fi technology to co-work perfectly with existing networks

CLEACON wireless unit, choose the frequency point from dozens of available ones on our access point, working in zero interference with all other networks in the area.

Amazing arc-shaped surface design

Arc-shaped glass operation area is dust/water-proof, and there is no noise/damage risk compare with common physical buttons, anti-scratch cover technology, it remains smooth glass surface even after thousands times of touch.

The system is aiming to increase productivity during the meeting course, it pass crystal clear voice to all participants any first-time users can use it without training



330mm Goose neck mic

410mm Goose neck mic

600mm Goose neck mic

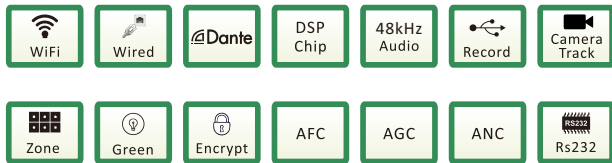


VIS-DCP2000-W

Full Digital Networked DSP Conference Processor



VIS-DCP2000-W



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.

- 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.
- Both wired/wireless discussion units can connect to the controller, fast and easily to adding delegate of meetings.
- Up to 8 wireless microphones to be turned on at the same time, adaptive avoiding interference technology to achieve stronger anti-interference ability, compliance with IEEE 802.11n standard Wi-Fi both for 2.4GHz and 5GHz.
- 2 channel audio input, XLR or RCA type, for local audio input or remote video-conferencing input.
- Maximum 8-channel audio output, XLR, RCA or Phoenix type, can be connected to simultaneous interpretation output or partitioned output.
- Add the audio input box, the system can be connected to other condenser microphones or dynamic microphones, more choices for users.
- Built-in multi-way internal communication function.
- TCP/IP connection between controller and PC
- RS232 central control, realize microphone switch, priority, volume and other controls.
- RS232 or RS485 to send the PELCO/VISCA protocol to realize camera auto-tracking function.
- Hot plug-and-play, and auto-recovery function.
- Wide range of voltage from 100V~240VAC
- Without using PC software, our conference controller still owns following settings:
 - Limit on the number of speaking persons: By Setting the number of active units at the same time (Number is 1/2/4/6/ units), supports up to open 32 wired microphones in full-on mode.
 - Discussion modes: "OPEN" Free for all, limited by the active units setting by controller, "VOICE" Can activate MIC by detecting sound without press button, "OVERRIDE" First in First out, "APPLY" To apply then to speak, "PTT" Press to speak(Optional),"ALL" Full open mode(Optional).
 - Voting function: Approve/Abstain/Object
 - Chairman unit has priority to close all other units or mute them temporarily
 - Chairman unit can 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.

Technical Parameters:

Power	100V / 240V 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
Color	Black

CLEACON Series VIS-WDC-T/VIS-WDD-T

Wireless Digital Discussion Chairman/ Delegate Unit



VIS-WDC-T/VIS-WDD-T



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
- Built-in DC connector for power supply without battery
- Detachable battery pack is easy to replace and charge, 4 hours to fully charged. Can use 24 hours continuously
- Internal high-fidelity loudspeaker
- Pluggable microphone and long range sound pickup ability, support different length of microphone.
- 2.23-inch OLED display with backlight, with status of signal and battery indication icon
- 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.
- 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-WDC-T.

Functions:

- Compliance with IEC 60914, GBT 15381-94
- Standard Wi-Fi technology is compatible with other Wi-Fi networks, support 2.4GHz and 5GHz on all channels.
- Full-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 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 adjustment.
- 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 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
- The unit showing real time on the screen, and count-down timer for speaking person.
- Detachable battery pack is easy to replace and charge, 4 hours to fully charged. Can use 24 hours continuously, power-saving technology to enable 24 hours continuous use and 48 hours for standby.
- Combined with camera and camera tracking controller, it has an automatic camera tracking function.
- With 2.5mm adapter power supply interface, used for emergency power supply.
- Built-in MCU, support wireless upgrade of all units.
- With voice control function, you can adjust the sensitivity of voice control, intelligently turn on the microphone and set the off time.

Technical Parameters:

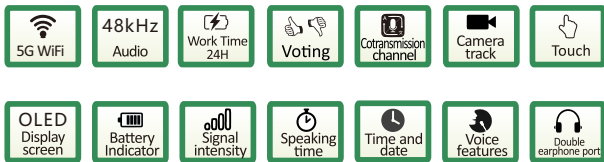
Button.....	Touchable interface
Sound Pickup.....	heart type capacitance
Display.....	OLED display 128 × 32
Sensitivity.....	-46 dBV / Pa
Maximum power consumption.....	2.0W
Directivity.....	0 ° / 180 °> 20 dB (1 kHz)
Headphone load.....	16Ω
Headphone volume.....	10mW
Headphone jack.....	3.5mm stereo
Input impedance.....	2kΩ
SNR.....	70dB
Frequency response.....	20 ~ 20000Hz
Equivalent noise.....	20dBA (SPL)
Main material.....	ABS
Operating temperature.....	0 °C to + 55
Color.....	Black
The maximum sound pressure.....	125dB (THD <3%)
Weight.....	1.1kg (with microphone)
Dimension.....	185L × 130W × 50Hmm (without microphone)

VIS-WVC-T/VIS-WVD-T

Wireless Digital Discussion +Voting Chairman /Delegate Unit



VIS-WVC-T/VIS-WVD-T



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
- 5 buttons for voting and ranking.
- Detachable battery pack is easy to replace and charge, 4 hours to fully charged. Can use 24 hours continuously, working time is 24 hours, 40 hours for standby
- Built-in DC connector for power supply without battery
- Internal high-fidelity loudspeaker
- Built-in up 3 channels interpretation (optional on another model)
- Pluggable microphone and long-range sound pickup ability, support different length of microphone.
- 2.23-inch OLED display with backlight, with status of signal and battery indication icon
- 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.
- 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-WVC-T.

Functions:

- Compliance with IEC 60914, GBT 15381-94
- Standard Wi-Fi technology is compatible with other Wi-Fi networks, support 5GHz on all channels.
- Full-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 cardioid directional microphone capsule with anti-wind microphone foam, 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
- 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 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

- More voting functions available by 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, 4 hours to fully charged. Can use 24 hours continuously, power-saving technology to enable 24 hours continuous use and 48 hours for standby
- Combined with camera and camera tracking controller, it has an automatic camera tracking function.
- With 2.5mm adapter power supply interface, used for emergency power supply.
- Built-in MCU, support wireless upgrade of all units.
- With voice control function, you can adjust the sensitivity of voice control, intelligently turn on the microphone and set the off time.

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
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.....	185L × 130W × 50Hmm (without microphone)

VIS-AP4C

2.4GHz/5GHz Conference Access Point



VIS-AP4C

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

Functions:

- LED indicator for signal/power
- 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.....	220Lx220Wx45H(mm)
Weight.....	0.3KG
Color.....	White

VIS-WCH1

Charger for battery



VIS-WCH1

Features:

- Three hours needed to fully charge
- MAX 8 pcs battery charging at one time
- Wide range power input: 100V~240V AC
- Buckle housing to prevent poor contact or dropping, light in weight for easy moving

Functions:

- Contactor by pop-up pins
- Buckle housing to prevent poor contact or dropping

Technical Parameters:

Input.....	100 ~ 240VAC 50 ~ 60HZ
Output.....	7.2V/1000mA
Power consumption.....	20W
Size.....	320Lx200Wx50H(mm)
Weight.....	2KG

VIS-WBTY1

Rechargeable Battery pack for wireless unit



VIS-WBTY1

Features:

- Long life and lasting stability of charging performance
- After fully charged it can use 24 hours
- Four hours needed to fully charge
- Efficient lithium batteries

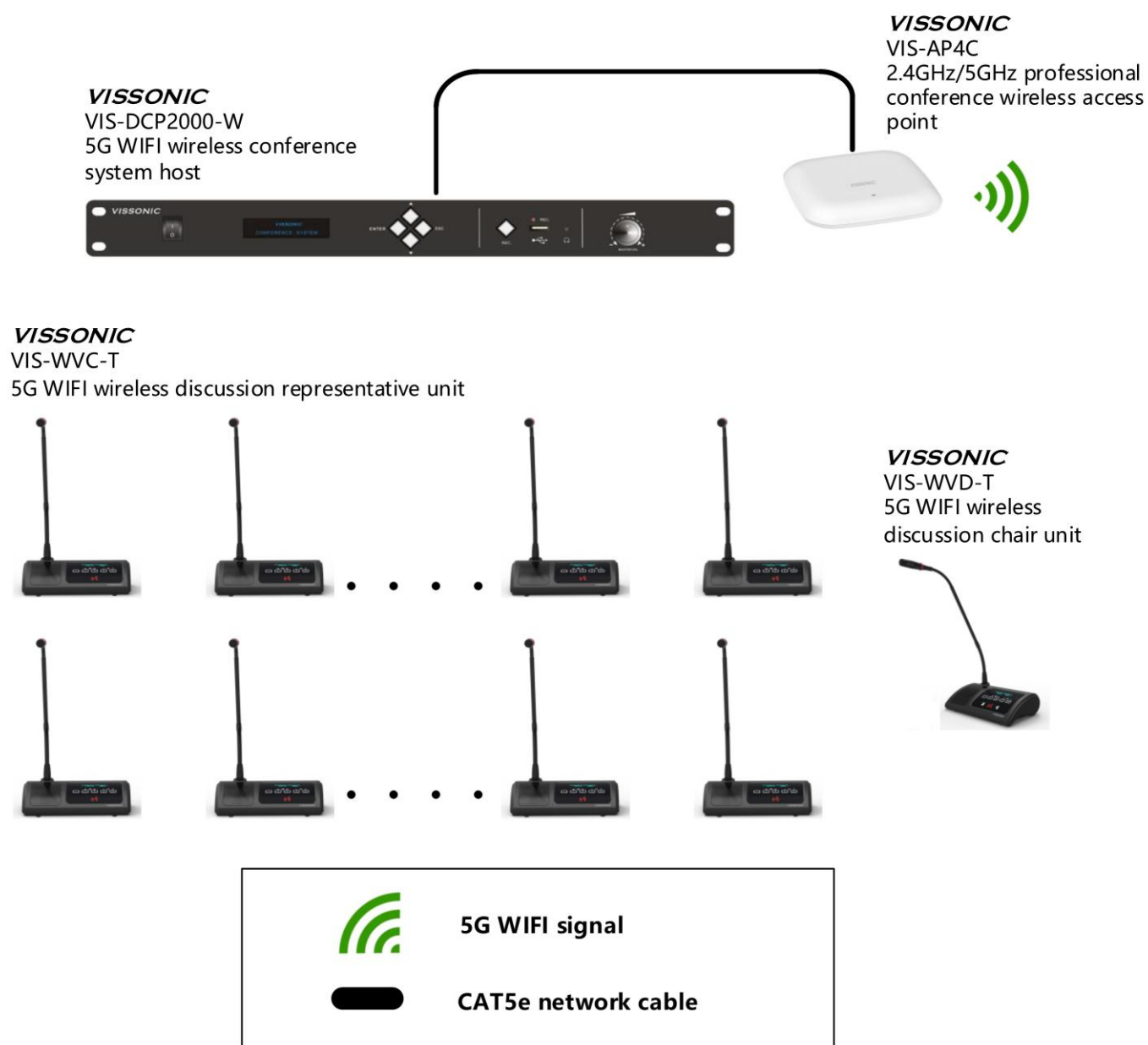
Functions:

- Contactor by pop-up pins
- Buckle housing to prevent poor contact or dropping

Technical Parameters:

Battery capacity.....	4900mA
Output voltage.....	7.2VDC
Weight.....	285g
Operation temperature.....	-20°C~60°C

System Diagram



A New Generation of Full-Digital Network Conference systemUnique DSP sound processing technology

CLEACON Full Digital Network DSP Conference system

As a solution provider focused on digital audio, VISSONIC has launched a well-designed CLEACON series of all-digital networked DSP conference systems.

COMPACT YET VERSATILE DESIGN

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

NO NOISE IN EQUIPMENT

For the reduction of meeting the original intention of creating a good meeting environment, design of CLEACON conference system is taken into account to avoid the traditional conference equipment noise, the host and the power expansion without fan adopts the design of the device, make sure that the meeting room no fan noise; meeting microphone unit using the touch button design, when opening or closing the microphone when no longer noise.

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.



Small design does not take up too much space, super-sound distance allows you to have a comfortable position to speak.

Desktop, embedded, array conference units
always have one suit for you

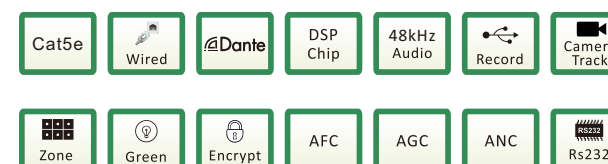


VIS-DCP2000-D

Full Digital Networked DSP Conference Processor for wired units



VIS-DCP2000-D



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.

Technical Parameters:

Power	100V / 240V AC
Static power consumption.....	12W
Maximum power consumption	150W
Frequency Response	20Hz ~ 20KHz
Noise ratio (S / N).....	> 80dB
Total harmonic distortion	<0.05%
Channel Crosstalk	> 80dB
Dimensions (mm).....	483L x 260W x 43.6H
Color	Black

VIS-DMD-T

Multimedia digital conference unit with touch screen



VIS-DMD-T

The VIS-DMD-T is a multimedia conference unit based on the VISSONIC AUDIOLINK multimedia IP network technology. It is equipped with a 4.3-inch touch screen, which improves the flexibility of the conference and the interactivity of the meeting content.

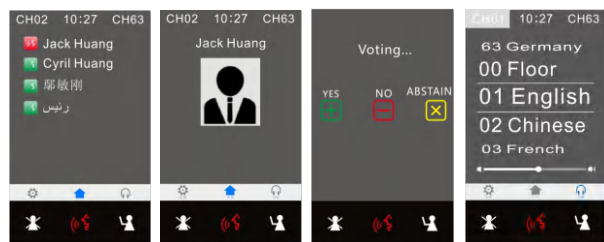
This unit can set as chairman, delegate, VIP or dual-user unit according to the requirements of the conference. As the various requirements of meeting, it can upgrade the software to achieve more functions without changing unit or hardware.

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.
- 4.3-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.
- 4.3-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
4.3-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 Parameters:

Screen size	109.22 mm (4.3 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

Environmental parameters

Operating temperature5 °C to +55 °C
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-M480	480mm microphone (black) with anti-wind foam cover
VIS-M600	600mm microphone (black) with anti-wind foam cover

Optional function license

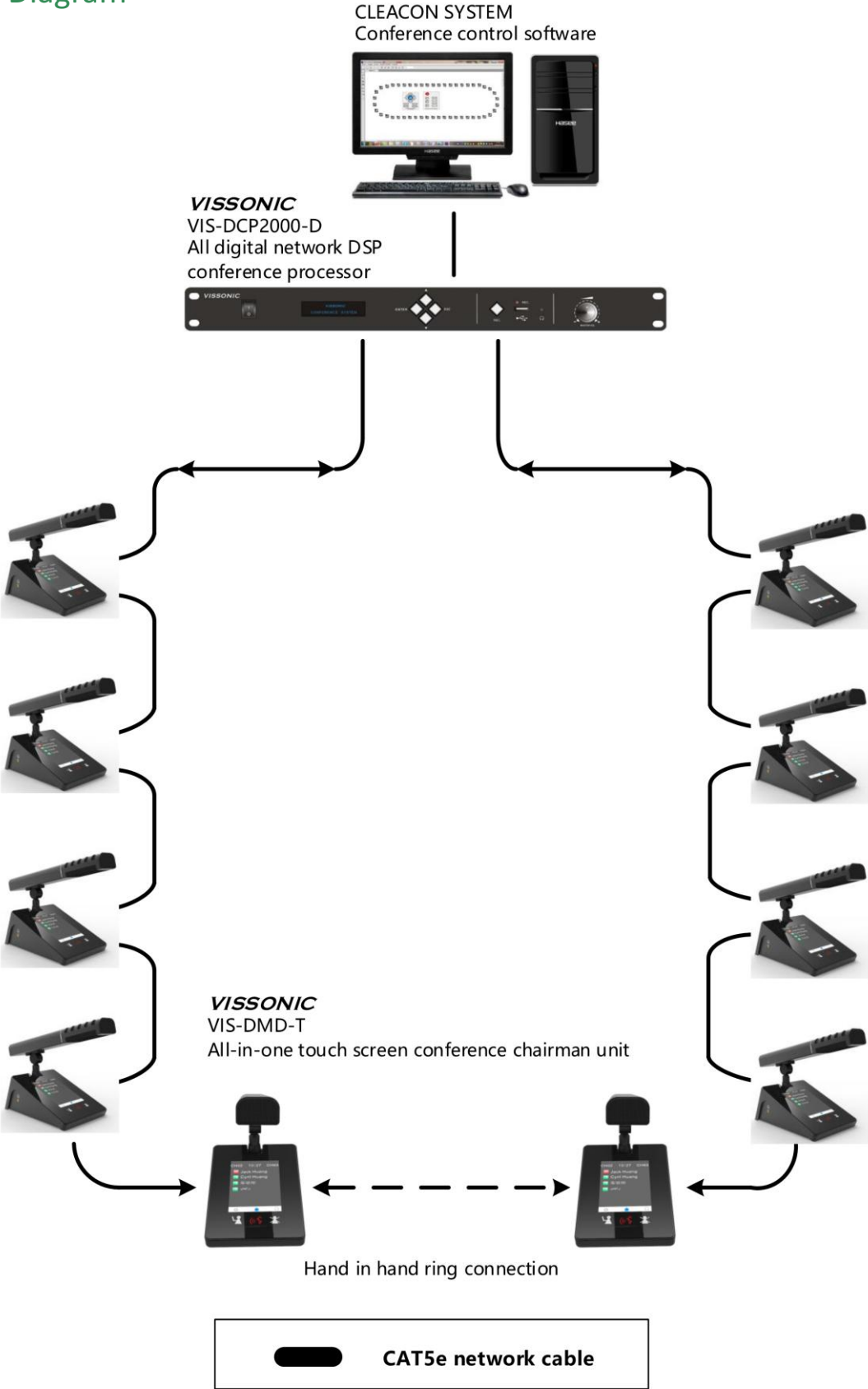
VIS-LLGE	Dual 64-channel selector software module
VIS-LVOTE	Vote software module
VIS-LIDEN	NFC identification software module
VIS-LDUAL	Dual user software module
VIS-HLBTH	Bluetooth Hearing Software Module

In order to fully configure, manage and use the device, CLEACON SYSTEM management software is required. Provides the following standard authorizations:

- VIS-CLEACON SETUP Conference Basic Setup Software Module
- VIS-CLEACON MIC Microphone Control Software Module
- VIS-CLEACON VOTE conference voting management software module
- VIS-CLEACON INTERP Simultaneous Interpretation Management Software Module

	VIS-DMD-T
Chairman unit configuration	✓
Delegate Unit Configuration	✓
Speaking	✓
Speaking timing	✓
Speech list	✓
Speaker information	✓
Service application	✓
Sign-in	✓
Sensitivity	✓
8-band equalization	✓
Bilingual switching	✓
Chairman unit initiates recording	✓
Issue display	✓
Customize	✓
Double simultaneous interpretation (optional)	✓
NFC recognition (optional)	✓
Three key voting (optional)	✓
Double representative (optional)	✓
Bluetooth function (optional)	✓

System Diagram



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

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 °C to + 55 °C
Color.....	Black

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

CAT5 Wired Digital Interpretation Chairman/Delegate Unit



VIS-DIC-T/VIS-DID-T



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.

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 °C to + 55 °C
Color.....	Black

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

CAT5 Wired Digital Voting Chairman/ Delegate Unit with Channel Selector



VIS-DVC-T/VIS-DVD-T



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:

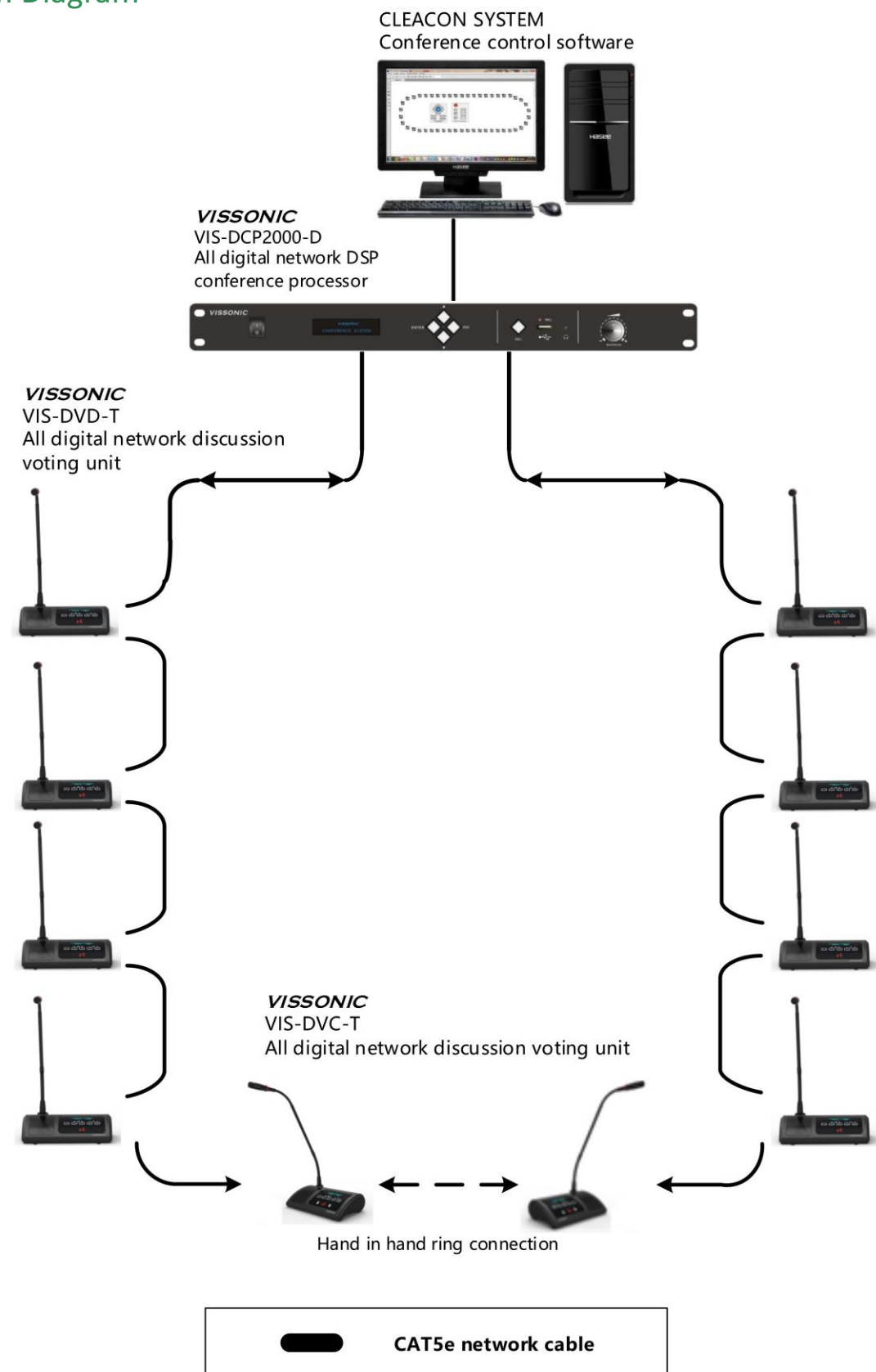
- Compliance with IEC 60914, GBT 15381-94
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- Single CAT5e cable transmits 64 channels of audio and various information.

- 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.

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 °C to + 55 °C
Color.....	Black

System Diagram



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

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°C to + 55°C
Color.....	Black

CLEACON Series VIS-CSU-F Digital Flush-mounting 64 Channel Selector



VIS-CSU-F



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.

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°C to + 55°C
Color.....	Black

CLEACON Series VIS-SPK-F Flush-mounting Speaker Unit



VIS-SPK-F

Features:

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

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°C to + 55°C
Color.....	Black

CLEACON Series VIS-DVU-FS1 Digital Voting Unit with IC-Card Reader



VIS-DVU-FS1

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:

- 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
- Built-in contactless IC card reader
- Key-press sign-in
- Automatic detection

Technical Parameters:

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

CLEACON Series VIS-DVU-FS2 Digital Voting Unit



VIS-DVU-FS2

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

Technical Parameters:

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

CLEACON Series VIS-FFC-F1/VIS-FFD-F1 Flush-mounting all-in-one discussion Unit with Voting and Channel Selector



VIS-FFC-F1/VIS-FFD-F1

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
- 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

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°C to + 55°C
Color.....	Black

CLEACON Series VIS-FFC-F2/VIS-FFD-F2 Flush-mounting Chairman/Delegate Unit with Voting and Channel Selector



VIS-FFC-F2/VIS-FFD-F2

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:

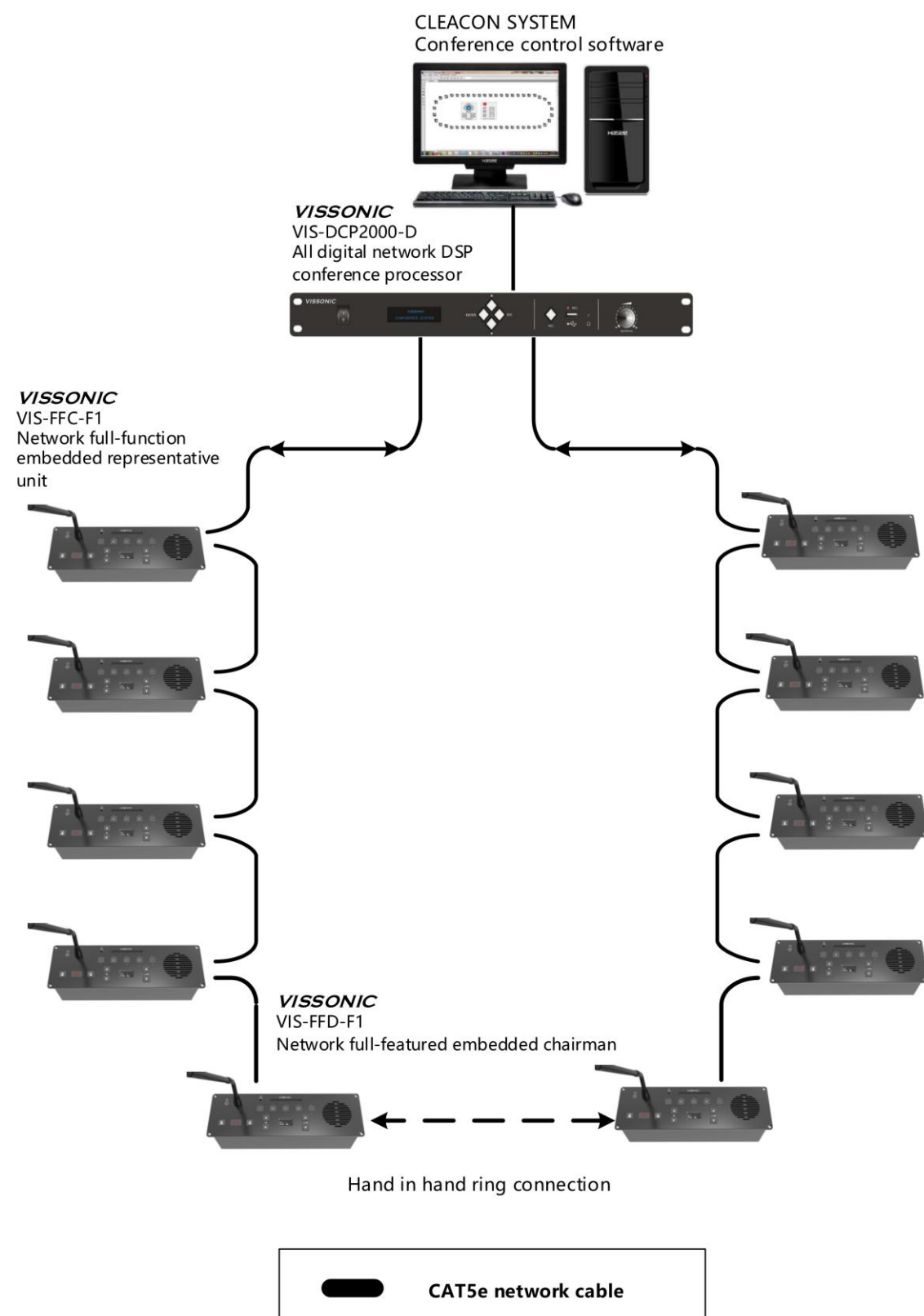
- Compliance with IEC 60914, GBT 15381-94
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
- Single CAT5e cable transmits 64 channels of audio and various information.
- 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

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°C to + 55°C
Color.....	Black

System Diagram



CLEACON Series VIS-DCP2000-R Full Digital Networked DSP Conference Processor for Array mic



VIS-DCP2000-R



Features:

- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing.
- Single CAT5e cable transmits 64 channels of audio and various information.
- All microphone units support audio, ID independent output. Working with voice recognition system to achieve voice role separation.
- High-fidelity sound quality, lossless audio transmission technology, 48K audio sampling frequency, 20Hz ~ 20KHz response frequency.
- A single conference controller can realize the independent control and merging of 4 conference rooms, can handle the cascade of multiple conference controllers to realize the merging and separation of larger conference rooms (including conference management, etc.).
- "Hand-in-Hand-Loop-Network" connection makes the system always working perfectly no matter changing discussion unit or having any malfunctioned units.
- The sensitivity of the unit microphone and 8 segment equalizer EQ adjusted independently.
- The main controller comes with self-learning AFC automatic feedback algorithm, combined with array microphones, short-stem microphones to achieve ultra-long pickup distance.
- Support AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Acoustics Noise Cancellation) Sound output by separated zones function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle.
- Echo cancellation, remote two-way real-time call with another conference controller or another third-party video conferencing terminal.
- USB recording, controller monitor, advanced noise cancellation technology to realize clearer recording.
- Display with date, time management, and support speech time, countdown speech.
- Optional DANTE output module with other DANTE equipment used.
- Can drive 2*120W POE speaker through extension main unit, support up to 16 POE speakers.

Functions:

- Compliance with IEC 60914, GBT 15381-94.
- Connect with VIS-EXM extension main unit, it can expand to 5200 discussion units.
- "Hand-in-Hand-Loop-Network" connection and the system assigned to each unit independently ID to avoid ID conflict.
- Both wired/wireless discussion units can connect to the controller, fast and easily to adding delegate of meetings.
- Supports up to 8 wireless microphones to be turned on at the same time, adaptive avoiding interference technology to achieve stronger anti-interference ability, compliance with IEEE 802.11n standard Wi-Fi both for 2.4GHz and 5GHz.
- 2 channel audio input, XLR or RCA type, for local audio input or remote video-conferencing input.
- Maximum 8-channel audio output, XLR, RCA or Phoenix type, can be connected to simultaneous interpretation output or partitioned output.
- Add the audio input box, the system can be connected to other condenser microphones or dynamic microphones, more choices for users.
- Built-in multi-way internal communication function.
- TCP/IP connection between controller and PC
- RS232 central control, realize microphone switch, priority, volume and other controls.
- RS232 or RS485 to send the PELCO/VISCA protocol to realize camera auto-tracking function.
- Hot plug-and-play, and auto-recovery function.
- Wide range of voltage from 100V~240VAC
- Without using PC software, our conference controller still owns following settings:
 - Limit on the number of speaking persons: By Setting the number of active units at the same time (Number is 1/2/4/6/ units), supports up to open 32 wired microphones in full-on mode.
 - Discussion modes:
 - "OPEN" Free for all, limited by the active units setting by controller,
 - "VOICE" Can activate MIC by detecting sound without press button,
 - "OVERRIDE" First in First out, "APPLY" To apply then to speak, "PTT" Press to speak (Optional), "ALL" Full open mode (Optional).
 - Voting function: Approve/Abstain/Object
 - Chairman unit has priority to close all other units or mute them temporarily
 - Chairman unit can approval the application for speaking from delegate
 - Simultaneous language interpretation
- With PC software to add more ways of voting:
 - Approve/Object
 - Approve/Abstain/Object
 - Level: 1/2/3/4/5
 - Ranking: --/0/+/>
- By using RFID card to identify, can realize voting with names

Technical Parameters:

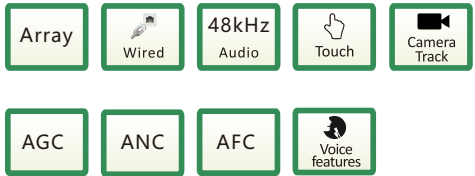
Power.....	100V / 240V AC
Static power consumption	12W
Maximum power consumption	150W
Frequency Response	20Hz ~ 20KHz
Noise ratio (S / N).....	> 80dB
Total harmonic distortion	<0.05%
Channel Crosstalk.....	> 80dB
Dimensions (mm)	483L x 260W x43.6H
Color.....	Dark black

CLEACON Series VIS-DAC-T/VIS-DAD-T

Digital Array Microphone Chairman/Delegate Unit



VIS-DAC-T/ VIS-DAD-T



Features:

- Stylish and modern design with touchable button
- ARRA-TechTM Microphone array technology and the voice pick-up distance more than 80CM
- Priority button and approval button for chairman unit
- Standard CAT5e and RJ45 connectors are used in microphone to provide more convenient on project and maintenance.
- One 1.5m cable out to connect the splitter box and keep the table clear
- 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 technology
- Support plug and play

Functions:

- Compliance with IEC 60914, GBT 15381-94
- ARRA-TechTM Microphone array technology improve sound up to 120CM.Using the built-in AGC technology, the acoustic transmission gain is increased. Using internal microphone capsules, the conference room looks tidy and clean.
- 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

- 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.
- Hot plug-and-play, and auto-recovery function.
- Chairman unit has the MIC switch button, priority and approval the application for speaking.
- Headphone port is available.
- 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
- Hot-swap for any system unit, and the controller has auto-recovery function
- Button for MIC ON/OFF, Priority & Apply Answer button for chairman unit
- Head-set interface is available
- 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.

Technical Parameters:

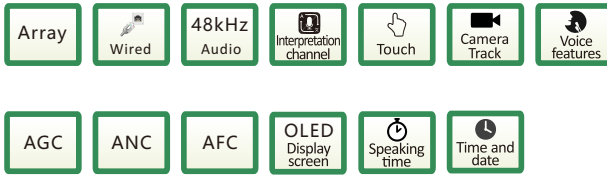
Button.....	Touchable interface
Sound Pickup.....	up to 120CM
Maximum power consumption.....	1.0W
Headphone load.....	16Ω
Headphone volume.....	10mW
Headphone jack.....	3.5mm stereo
Input impedance.....	2kΩ
SNR.....	70dB
Frequency response.....	20 ~ 20000Hz
Connection.....	CAT5 / CAT6 cable + RJ45
Equivalent noise.....	20dBA (SPL)
Main material.....	Aluminum
Weight.....	0.7kg
Dimension.....	305L × 45W × 42H mm
Operating temperature.....	0°C to + 55°C
Color.....	Silver or Black

SONICON Series VIS-DAC-F/VIS-DAD-F

Digital Array Microphone with lifting device



VIS-DAC-F/VIS-DAD-F



Features:

- Stylish and modern design with touchable button, flush mount on the desk with electrical lifting.
- ARRA-TechTM Microphone array technology and the voice pick-up distance up to 120CM.
- Chairman unit has priority button and approve to speak button.
- Standard CAT5e with RJ45 connector as the connection cable, which is convenient for standardized engineering wiring installation and maintenance.
- One 1.5m cable out to connect the splitter box and keep the table clear.
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, anti the RF interference from cell phone or similar devices.
- "Hand-in-Hand-Loop-Network" connection, the system is more reliable.
- Hot plug-and-play.

Functions:

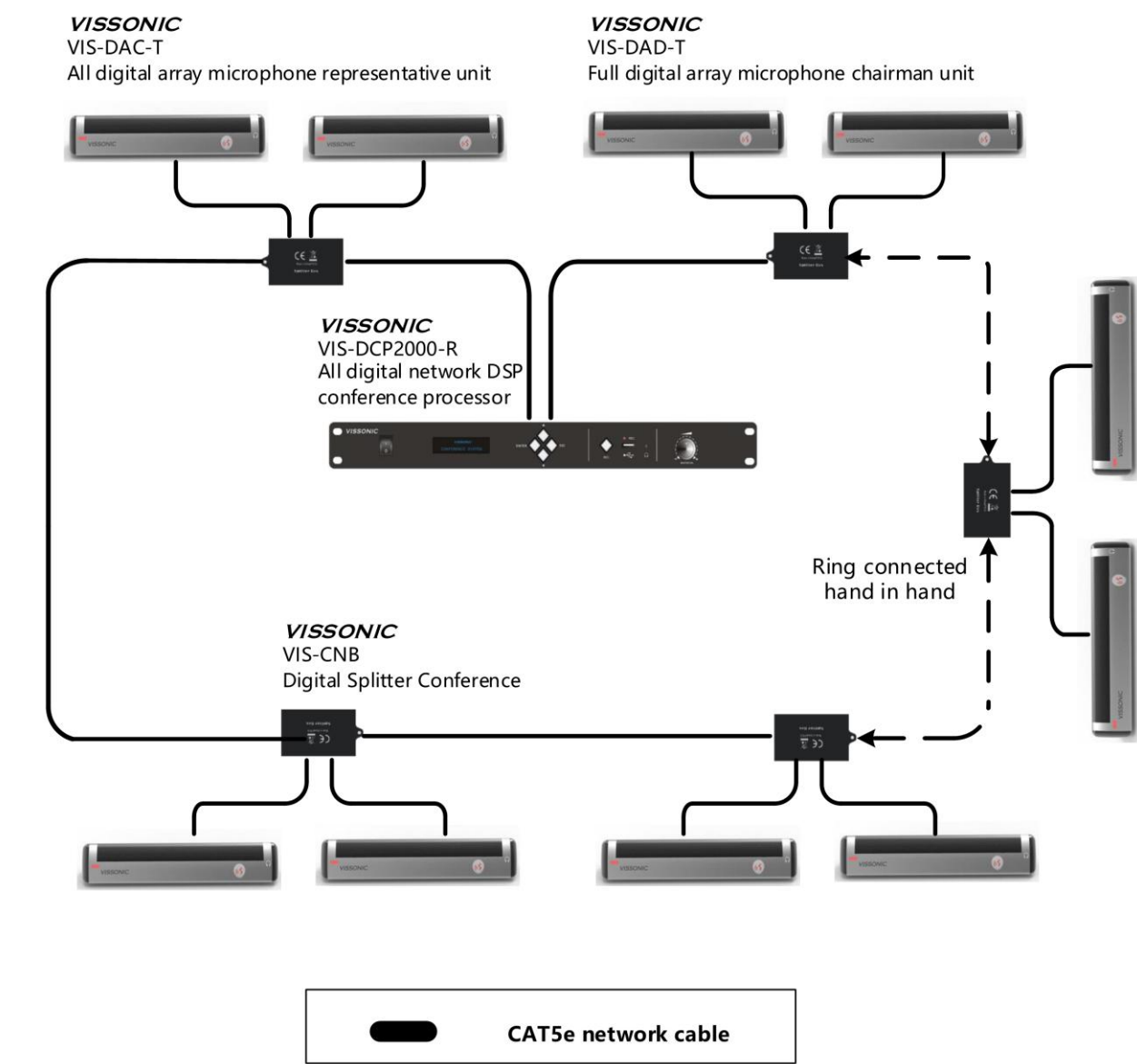
- Compliance with IEC 60914, GBT 15381-94
- ARRA-TechTM Microphone array technology improve sound pick-up distance up to 120CM.Using the built-in AGC technology, the acoustic transmission gain is increased. By hiding the mic capsule inside without gooseneck mic, the conference room looks tidy and clean. Even if the orator is moving in a larger area, the microphone can maintain a clear and stable pickup.
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, anti the RF interference from cell phone or similar devices.

- 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
- "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
- 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.
- Hot plug-and-play, and auto-recovery function.
- Chairman unit has the MIC switch button, priority and approval the application for speaking.
- Headphone port is available
- 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 approval the application for speaking from delegate
- Combined with camera and camera tracking controller, it has an automatic camera tracking function.

Technical Parameters:

Button.....	Touchable
Sound Pickup.....	up to 120CM
Maximum power consumption.....	1.0W
Headphone load.....	16Ω
headphone volume.....	10mW
Headphone jack.....	3.5mm stereo
Input impedance.....	2kΩ
SNR.....	60dB
Frequency response.....	100 ~ 17000Hz
Connection.....	CAT5 / CAT6 cable + RJ45
Equivalent noise.....	20dBA (SPL)
Main material.....	Aluminum
Weight.....	6KG
Panel Dimension	
Dimension including chassis.....	415L × 60W × 562H mm
Operating temperature.....	0°C to + 55°C
Color.....	Silver or Black

System Diagram



SONICON Series VIS-EXM
Extension Main Unit



VIS-EXM

Features:

- Maximum support extends 120 conference units
- The annular cascade system structure, and the star structure to extend the host as the center of the connecting unit.
- Get 4 CU/DU channels.
- No fan and noiseless design
- The distance between VIS-EXM extension main unit up to 100m

Technical Parameters:

Electric Spec	
Power	48VDC
Rated Current	3.34A
Current Range	0 ~ 3.34A
Power Rating	150W

MECHANICAL	
Working Temperature	-30 ~ 70 °C
Operation humidity	20 ~ 90% RH
Color	Black
Weight	1. 6kg
Size(mm)	265Lx36Wx165D

SONICON Series VIS-CNB
Splitter box



VIS-CNB

Features:

- No fan and noiseless design
- No power supply design
- Packaged design

Functions:

- Repeat 2 CU/DU channels for reducing the cables and different project requirements.
- To achieve loop wired architecture with star wired benefits

Technical Parameters:

Electric Spec	
Static Power	0. 2W
Maximum Power Dissipation	0. 9W

MECHANICAL	
Color	Black
Weight	0. 05kg
Size(mm)	80Lx50Wx23D

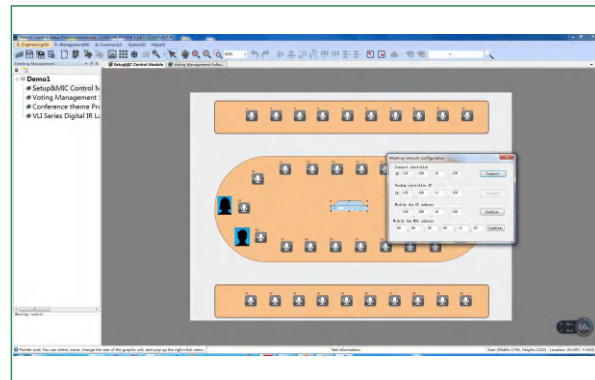
CLEACON SYSTEM

Control Software for Series Conference System

CLEACON SYSTEM series conference control software is modular configuration software based on conference site equipment. It is characterized by rich functions, flexibility, high efficiency, safety, stability and easy maintenance. After running the software, the computer equipment is connected to the equipment in the meeting place, and the operator can monitor and control all the equipment in the meeting place in an all-round way, thus improving the efficiency.

CLEACON SYSTEM series conference control software can be divided into the following modules according to functions:

VIS-CLEACON SETUP conference basic management software module
VIS-CLEACON MIC microphone control software module
VIS-CLEACON VOTE conference voting management software module
VIS-CLEACON INTERP simultaneous interpretation management software module
VIS-CLEACON IC IC card management software module
VIS-CLEACON SERVICE conference service software module
VIS-CLEACON Backup system host computer hot backup software module



VIS-CLEACON SET UP

Conference Basic Management Software Module

Including venue design, conference management, controller settings, unit settings, system testing, user management and other functions.

Venue Design-Design the color of the venue background and support the setting of any background picture, number of microphones, arrangement, location, etc.

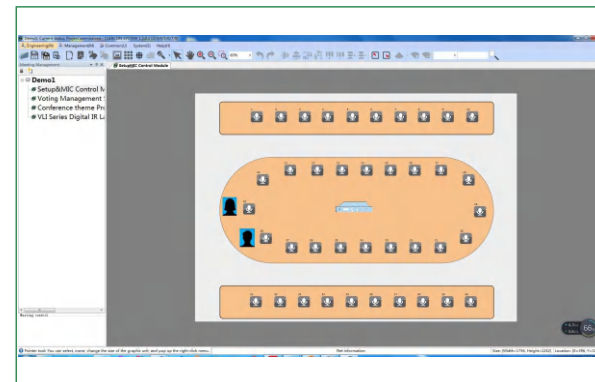
Meeting management-setting of meeting agenda, management of meeting agenda projection, editing of meeting projection content

Host settings-include input volume, output volume, DSP parameters, meeting mode, number of speaking units, global sign-in, voting initiation rights, IC card usage settings, etc.

Unit Settings-Set the permissions of the unit in the meeting, such as VIP, voting, signing in, speaking, etc.

System Detection-The system automatically detects the status of all units, including units online, offline, chairman, representative, wireless units will also display signal strength and power.

User management-the system is divided into different user rights, including project rights, system rights and user rights.



VIS-CLEACON MIC

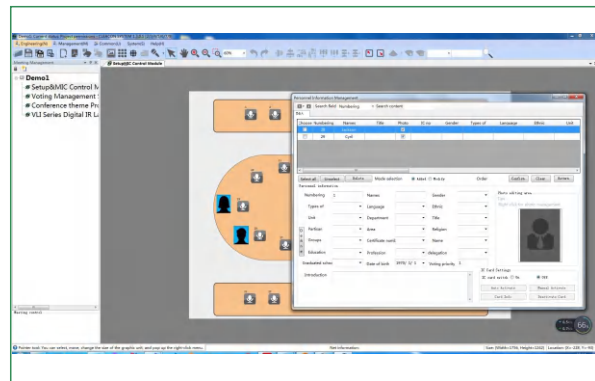
Microphone control software module

Including ranking management, personnel management and microphone control functions.

Ranking management-according to the actual location of the venue staff, set the name of the staff, arrange the corresponding microphone ID, and set the number of the microphone and the seat number.

Personnel management-includes the establishment of personnel information database, which can be imported and exported by EXCEL, and the modification of personnel information on software. Personnel information includes number, name, gender, party affiliation, automatic photos, etc. Customizable information columns include voting rights of personnel, proportion setting, and personnel search function.

Microphone control-online real-time control of microphone switch to disable/start microphone.



VIS-CLEACON VOTE

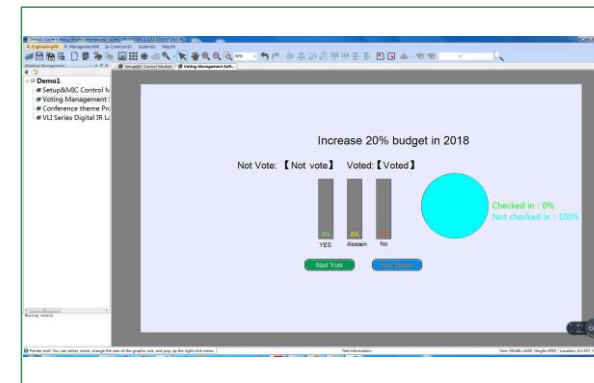
Meeting voting management module

Including voting management, ranking management, personnel management and other functions.

Voting and voting management-perfect topic editing function, supporting a variety of voting methods, including approval/objection, voting method: approval/ objection/abstention, election method: 1/2/3/4/5, rating:voting contents such as grade 1/2/grade 3/grade 4/grade 5 can be edited. Support to display results in a variety of displays: text, pie, columnar, the results can be directly projected to the large screen. You can choose to sign in before voting, and the voting results can be exported by topic.

Ranking management-according to the actual location of the venue staff, set the name of the staff, arrange the corresponding microphone ID, and set the number of the microphone and the seat number.

Personnel management-includes the establishment of personnel information database, which can be imported and exported by EXCEL, and the modification of personnel information on software. Personnel information includes number, name, gender, party affiliation, automatic photos, etc. Customizable information columns include voting rights of personnel, proportion setting, and personnel search function.



VIS-CLEACON IC

IC card management software module

This function is used for IC card check-in.

This module supports IC card issuance, entry, reading, loss reporting/clearing and personnel management.

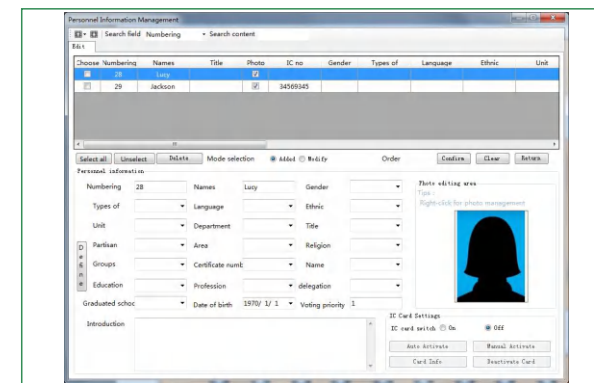
IC card issuing-the IC card contains information such as meeting number, personnel number, identity, etc.

Input-input information to IC card

Read-read IC card information

Loss Reporting/Clearing-Clears IC card information for card recycling or card loss processing.

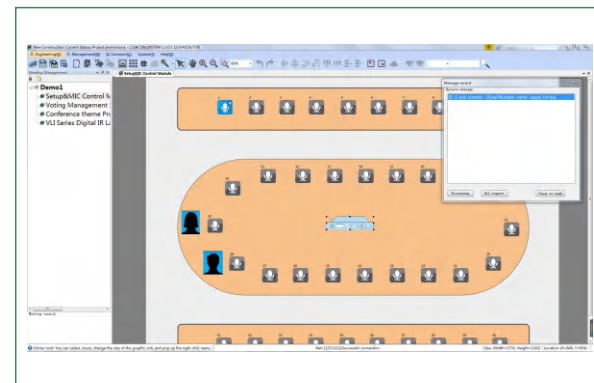
Staff management-includes the establishment of a staff information base, which can be imported and exported by EXCEL, and the modification of staff information on software. Staff information includes number, name, gender, party affiliation, automatic photos, etc. Customizable information columns include voting rights, proportion setting and staff search functions.



VIS-CLEACON SERVICE

Conference service software module

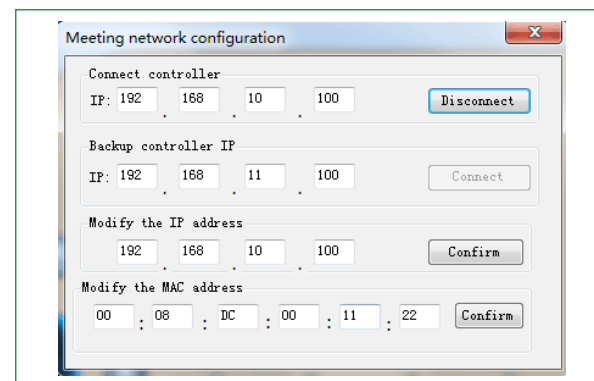
Meeting service software refers to the service requests sent by the participants, such as tea, etc. can be viewed through the meeting service software during the meeting, and the corresponding model, seat, request and content of the participants on the software are now available.



VIS-CLEACON BACKUP

Hot Backup Software Module

In a conference system, two conference system controller can be configured, one seat master host and the other seat backup host. Under normal circumstances, the sealed host works in slave mode. When the master controller fails, the backup host will automatically take over the conference as the master controller seamlessly. The conference software will automatically connect the backup host to ensure the normal progress of the conference.



The New Generation Full-Digital Networked Conference System

Classic Conference units

CLASSIC-D full-digital network conference system

Based on full-digital network technology, CLASSIC-D is designed with light conference, fast and simple start and classic appearance design requirements.

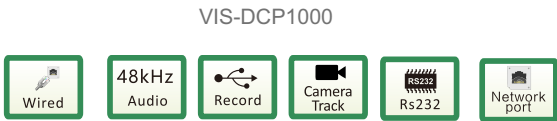
The conference system makes full use of the advantages of all-digital network system and fully simplifies the functions of the system, making it easy for customers to operate and use, so as to meet the requirements of most customers for the conference system and fully consider the economy and practicability of the system.

Named after CLASSIC-D system series, it gives this unit a perfect market position.



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, "OVERRIDE" First in First out.
 - Controlling through RS232 to realize MIC ON/OFF, Priority, Volume adjustment.
 - 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

Technical Parameters:

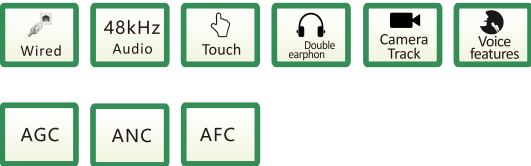
Power	100V / 240V AC@50/60Hz
Static power consumption	12W
Maximum power consumption.....	150W
Unit power supply	POE48VDC
RS-232 control	1x9 pin sub female socket 1x9 pin sub-D male socket
Ethernet control	RJ45 connect computer control
Frequency Response	20Hz ~ 20KHz
THD.....	<0.05%
Channel Crosstalk	> 85dB
Noise ratio (S / N).....	> 96KG
Dynamic Range.....	> 94dB

VIS-DEC-T/VIS-DED-T

CAT5 Wired Digital Basic Discussion Chairman/Delegate Unit



VIS-DEC-T/VIS-DED-T



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:

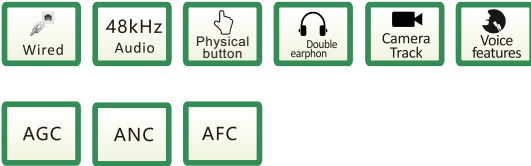
Button.....	Touchable interface
Sound Pickup.....	heart type capacitance
Sensitivity.....	-46 dBV / Pa
Maximum power consumption.....	2.0W
Directivity.....	0 ° / 180 °> 20 dB (1 kHz)
Headphone load.....	16Ω
headphone volume.....	10mW
Headphone jack.....	3.5mm stereo
Input impedance.....	2kΩ
SNR.....	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× 22H mm (without microphone)
Operating temperature.....	0°C to + 55°C
Color.....	Black

VIS-DOC-T/VIS-DOD-T

CAT5 Wired Digital Discussion Unit with physical button



VIS-DOC-T/VIS-DOD-T



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:

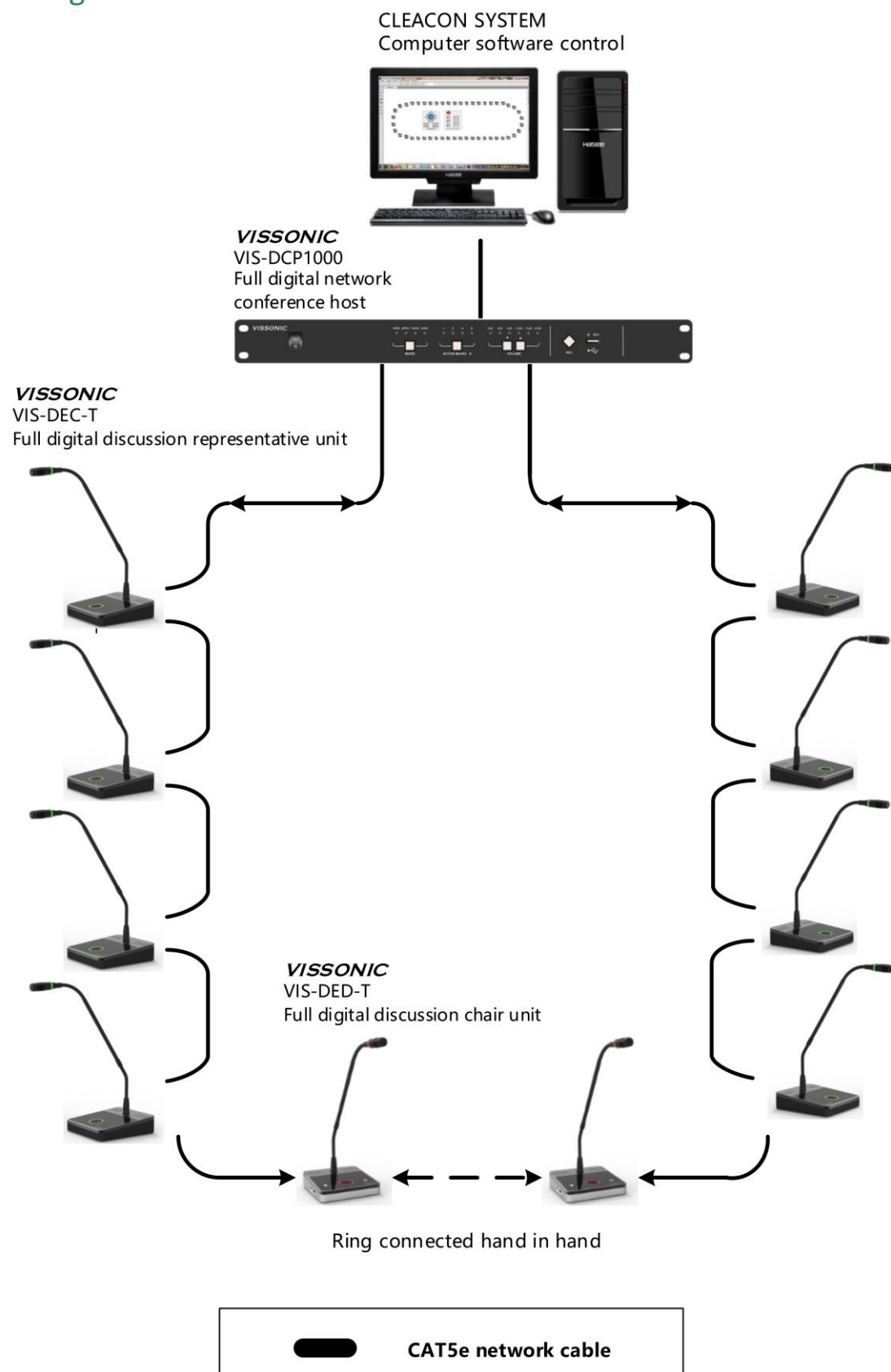
- Compliance with IEC 60914, GBT 15381-94
- The unique AUDIO-LINK digital ring network technology achieve full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.

- 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

Technical Parameters:

Connection method	CAT5 / CAT6 cable + snap
Buttons	Stroke button
Main material	Aluminum alloy, ABS
Color.....	Black
Weight	0.9kg
Dimensions (mm)	140 width × 120 depth × 33 height

System Diagram



New Generation Digital Infrared Language Distribution System



Digital infrared language distribution system, also known as infrared simultaneous interpretation system, is a system used in multilingual meetings. In order to help participants understand the contents of the meeting, the system transmits the voice of the mother tongue to the receivers and earphones in the hands of the participants. As infrared is used as the transmission medium, the principle of direct and diffuse reflection of light is used to realize signal coverage of the venue, and the participants can move freely without affecting listening, it is widely used in large, medium and small press conference halls, academic report halls, school halls, various international conference site etc.

As infrared ray is a kind of light, it has no penetration and has a high degree of security. It is also used in format desktop meetings that have security and require translation of language.

VISSONIC VLI series new generation digital infrared language distribution system has fully utilized our years of research and development experience and combined with the latest networking requirements to develop VLI series products with the following Features:

- Comply with international IEC61603-IEC60914 standards
- Compatible with other infrared simultaneous transmission systems conforming to IEC61603-7
- Standard and can used in cross-use
- Full-digital DQPSK digital modulation/demodulation technology ensures sound quality and gives excellent hearing experience
- Transmission of audio data in 2-8MHZ band eliminates interference from high-frequency lighting system
- Provide up to 32 voice channel options
- Beautiful ergonomic receiver design
- The friendly LCD interface displays the current language name, current channel, signal strength, battery power and other information
- The industry's original art-sharped large-angle and ultra-long distance radiation panel, covering a distance of 76 meters, is a sharp weapon for signal coverage of thousands of square meters of large venues
- Seamless integration between AUDIO-LINK network interface and VISSONIC conference system
- Open DANTE network interface to connect DANTE audio network

VIS-VLI703A

Digital Infrared Receivers 4/8/16/32 channels



VIS-VLI703A

These ergonomically designed pocket receivers incorporate the latest electronics technology. VIS-VLI703A series of IR receivers, which can receive up to 32 language channels and is equipped with channel selector, volume control, power switch, Ø 3.5 mm stereo earphone jack. A LCD displays channel number with language name, received signal intensity, battery capacity and volume. The pocket receivers can be used for both language and music distribution.

Features:

- Compliant to IEC 61603-7 and IEC 60914
- Compatible with any other IR simultaneous interpretation system compliant to IEC 61603-7
- Digital infrared processor with DQPSK digital modulation/demodulation technology
- Transmitting in 2~8 MHz frequency band eliminates disturbance from high frequency lighting systems
- Channel selection via up/down button, at most 4,8,16 or 32 channels available
- LCD display with channel number, language name, battery and signal status indication
- Number of available channels is always the same as the number of channels in use by the system, eliminating the need to scroll through unused channels
- Adjustable volume
- Unique 270° super wide reception angle, ensuring perfect sound quality even when casually placed
- Audio signal automatically muted when signal is too low, ensuring that the user receives only high quality audio.
- Ergonomically compact and elegant design
- Lightweight and handy receiver in conjunction with single earphone or headphone for easy and comfortable use
- Can be hung over the neck via a nice strap or fit into pocket
- Free movement within the range of IR power radiator
- No limit to the receiver number within the IR power radiation range
- Works without errors, even in bright sunlight
- Built-in high precision rechargeable circuitry to prolong battery life

- Environmentally-friendly lithium rechargeable battery pack
- No power consumption and auto-off when headphone is disconnected after 5 minutes

Technical Parameters:

Modulation.....	DQPSK, according to IEC 61603-7
Modulation frequency	
Carriers 0 to 5.....	2 to 6 MHz, according to IEC 61603-7
Frequency response.....	20 Hz to 10 kHz (-3dB) at standard quality; 20 Hz to 20 kHz (-3dB) at perfect quality
THD at 1 kHz	<0.05%
Isolation.....	>80 dB
Dynamic range.....	>80 dB
Weighted SNR.....	>80 dBA
Input range.....	-12 dBV ~ +12 dBV (adjustable)
Electrical	
IR irradiance level.....	4 mW/m2 per carrier
Angle of sensitivity.....	270°Headphone output level at 2.4 V 450 mVrms (speech at maximum volume, 32 Ohm headphone)
Headphone output freq. range.....	20 Hz to 20 kHz
Headphone output impedance.....	32 Ohm to 2 kOhm
Max. SNR.....	>80 dBA
Supply voltage.....	3V to 4.2V, nominal 3.7 V
Headphone jack unplugged after 5 minutes.....	0 mA Battery life
Rechargeable battery pack	24 hours

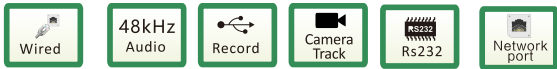
Mechanical	
Dimensions (H x W x D)	159 x 49 x 23 mm
Weight.....	excluding battery 85 g, including battery 128g (0.27 lb)
Color.....	black with silver

VIS-VLI700A-4/-8/16/-32

Digital Infrared Transmitter



VIS-VLI700A-4/-8/16/-32



The transmitter is the central device in the language distribution system. It accepts analogue or digital input, modulates these signals onto carrier waves and transmits these carrier waves to radiators located in the room.

Features:

- Compliant to IEC 61603-7 and IEC 60914 and the latest national standard GB 50524-2010
- Compatible with any other IR simultaneous interpretation system compliant to IEC 61603-7
- DQPSK digital modulation/demodulation technology
- Transmitting in 2~8 MHz frequency band eliminates disturbance from high frequency lighting systems
- Capable of distributing of 4,8 or 16 audio channels
- Auxiliary mode for distribution of music to all channels during a break
- Slave mode for distribution of signals from another transmitter allows multiple rooms to be used
- Radiator and system status indication via display and indicators
- Each transmitter can be assigned a unique name by the installer for easy identification in a multi-transmitter system
- Automatic distribution of emergency messages to all channels
- Automatic synchronization to the number of channels in use by the CLEACON system
- Each audio channel can be assigned a language name for easy identification
- The sensitivity of each input is adjustable, the audio level can be fine-tuned, and the audio input level indication is supported
- Flexible configuration of channels and channel quality modes: Mono, standard quality, maximum 16 channels Mono, perfect quality, maximum 8 channels Stereo, standard quality, maximum 8 channels Stereo, perfect quality, maximum 4 channel
- With 16 interpretation output channels for recording
- Universal power facility allows worldwide use
- Conference hall privacy; the congress venue itself acts as a barrier to infrared signals escaping and being overheard, as infrared is unable to pass through opaque objects such as walls

- Suitable for various kinds (small/medium/large international) of conference halls and outdoor venues
- Can directly connect with interpreter desk VIS-INT64
- With 16 channel analogue audio input and 16 channels analogue audio output.
- 2 transmitters can work as master and slaver mode for 32 channel language distribution
- Connecting to Dante network by optional Dante port

Control and Indicators:

- Graphic LCD with back-lighting displays status and menu of the system configuration, supporting multi language menu
- Four buttons for configuration
- Channel active indicators

Technical Parameters:

System Specifications	
Modulation.....	DQPSK, according to IEC 61603-7
Modulation frequency.....	2 to 8 MHz Carriers 0 to 5:2 to 6 MHz, according to IEC 61603-7
Frequency response.....	20 Hz to 10 kHz (-3dB) at standard quality; 20 Hz to 20 kHz (-3dB) at perfect quality
THD at 1 kHz.....	<0.05%
Isolation.....	>80 dB
Dynamic range.....	>90 dB
Weighted SNR.....	>85 dBA

Electrical	
Unbalanced audio inputs.....	-12 dBV to +12 dBV nominal
Balanced audio inputs.....	-6 dBV to +18 dBV nominal
Emergency switch connector	2-PIN 3.81 mm Phoenix connector, alarm signal control input
Headphone output.....	32 Ohm to 2 kOhm
HF input/output.....	75 Ohm
Power supply.....	AC 100 V - 240 V, 50 Hz / 60 Hz
Power consumption.....	Maximum 25 W

Mechanical	
Mounting.....	Brackets for 19" rack mounting or fixing to a table top; detachable feet for free-standing use on a table top
Dimensions (mm)	88H × 483L × 266W
Weight.....	7.5 kg
Color.....	Black

VIS-VLI701A

Digital Infrared Radiator



VIS-VLI701A

Features:

- Compliant to IEC 61603-7 and IEC 60914
- Compatible with any other IR system compliant to IEC 61603-7
- Maximum radiation range up to 76 meters.
- Cable delay compensation for differences in cable lengths between transmitter and radiators
- Half-power / full-power the operating mode can be selected with a switch
- Synchronization on/off with transmitter
- Connect further radiators in a daisy chain
- Radiation angle $\pm 25^\circ$
- When the temperature of the radiator is too high, the system will automatically switch from full power to half power.
- For the use in conference rooms, even in daylight

Technical Parameters:

Electrical and optical	
Modulation.....	DQPSK, according to IEC61603-7
Modulation frequency	
Carriers 0 to 5.....	2 to 6 MHz, according to IEC 61603-7
Carriers 6 to 7.....	Up to 8 MHz
Angle of half intensity.....	$\pm 25^\circ$
HF input.....	Nominal 1 Vpp,75 Ohm
HF output.....	1 Vpp,6V DC,75Ohm
Power Supply.....	100V-240V AC 50/60Hz
Max. Power.....	36W
Static Power.....	3W
Automatic switching-on voltage level.....	100mV Radiating signal
Radiation distance.....	76m
Mechanical	
Mounting.....	Wall mounting bracket VIS-RAM1, ceiling mounting, mounting plates for floor stands.
Dimension (mm).....	208Hx453Lx230W
Weight.....	7KG
Color.....	Deep Grey

VIS-TC50A

Charger and Storage box for Infrared Receiver



VIS-TC50A

Features:

- Can accommodate VIS-VLI703A series receivers
- Universal mains power facility allows use worldwide
- Rapid recharging: within 2 hours
- Capable of charging 50 receivers.
- The charging box also has the function of storing receiver

Control and Indicators:

Charging status indicators for every receiver

Interconnection:

- Main input with loop-through facility;
- Male and female socket
- 50 charging slots and compatible with VIS-VLI703A series pocket receivers

Technical Parameters:

Electrical	
Power.....	100V-240V AC
Max. Power.....	150W
Static Power.....	17W (no charging)
Mechanical	
Dimension (mm).....	600Lx380Wx230H
Weight.....	5kg
Color.....	Black

VIS-INT64

64 Channels Interpreter Desk



VIS-INT64

VIS-INT64 is 64 channels interpreter desk that enables direct and relay interpretation available in 63+1 languages to provide an easy and relax time during interpretation work.

Features:

- Accommodates up to 64 interpretation channels (incl. floor channel)
- Digital audio technology, built-in high-speed DSP processing.
- Supporting 48 kHz audio sampling rate, 30 Hz to 20 kHz frequency response on all 64 channels
- Anti-interference by any RF signal with metal housing design.
- Hot plug and play, Removable microphone design
- The volume of Loudspeaker and earphone jack support separated adjustment.
- Direct and relay interpretation available
- Hearing protection direct and relay interpretation available
- Interpreter unit can be set as operation unit and all interpreter units support Internal communication with operator unit
- Language and system configuration from the interpreter desk's configuration menu
- Short message and tea service function
- COUGH key to mute the MIC to avoid the unnecessary sound to the output
- Two Interpreter dual user
- The speaker and the headset's volume should be regulated alone. If all microphones in the same booth are off, the loudspeaker will play floor language or interpretation channel
- Support the headset microphone and Pluggable gooseneck microphone.
- Channel interlock function permits only one microphone on a channel to be activated at any time, ensuring the uniqueness of language channels
- Two necessary modes within one interpreter booth: Interlock and Override
- A-B pre-select input key to quickly select Input channel
- The timing function for indicating the interpretation time.

Control and Indicators:

- Microphone mounted on a flexible stem, complete with a light ring
- Headphone volume controls knob
- Speaker volume controls knob
- A-B channel selector key for the quickly select the Input (interpreter hearing) language
- IN Select Knob with LCD indicating channel for fast switching between the original floor language and the channel set on the channel selector
- OUT Select Knob with LCD indicating channel for fast switching between the output channels
- Microphone activating key with LED status indicator
- Microphone 'COUGH' key to mute the MIC while pressing
- FLOOR-RELAY key to fast switch between floor language and relay language
- Call key (voice) to provide two-way communication between interpreter and operator

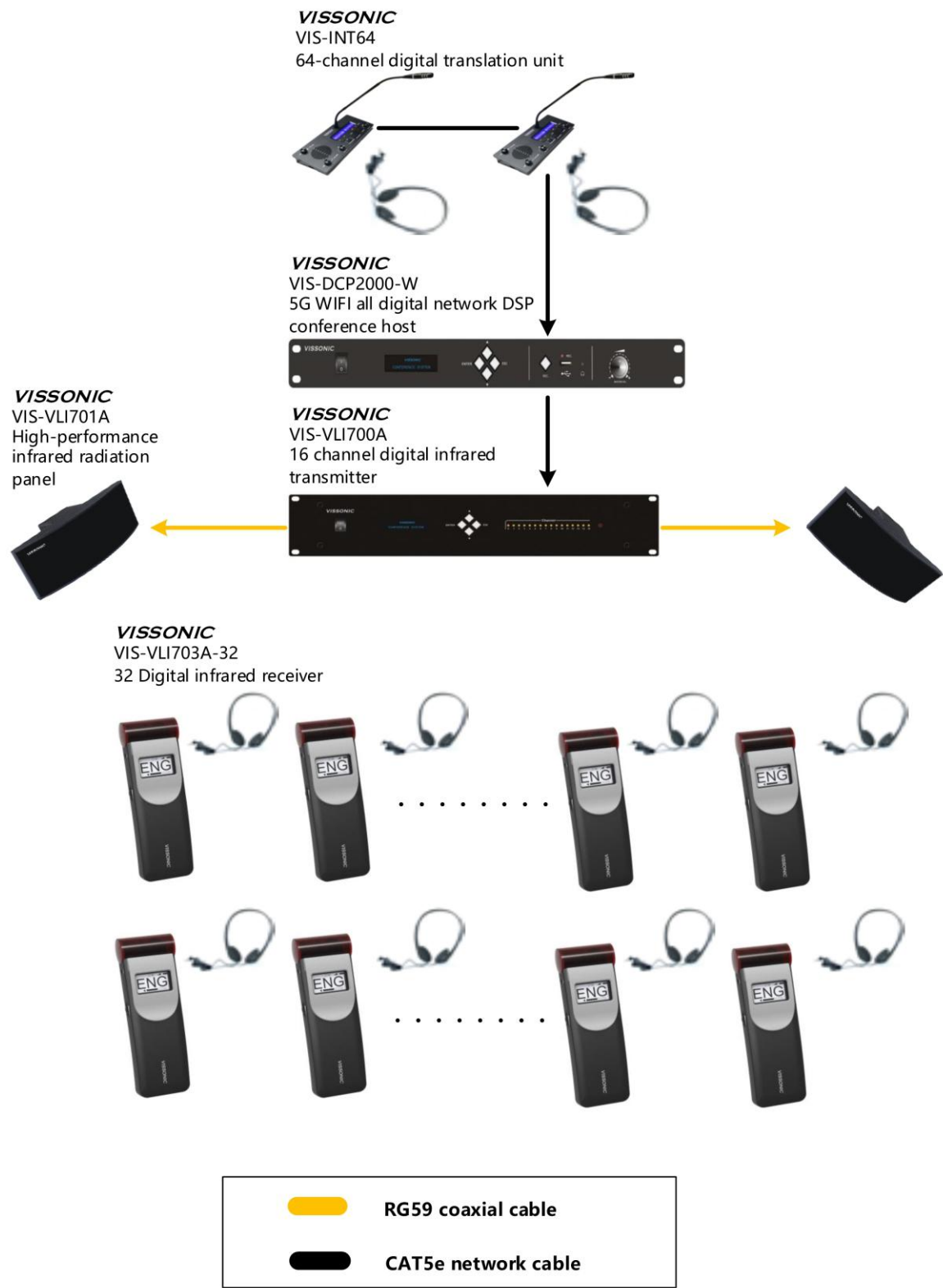
Interconnection:

- 2 x \varnothing 3.5 mm earphone jack, 2 x \varnothing 3.5 mm Microphone jack
- 2xRJ45 port
- 1x2.5mm adapter port
- Connector for Pluggable gooseneck microphone

Technical Parameters:

Electrical	
Power.....	DC48V from main unit or adaptor
Power consumption.....	3W
Microphone	
Transducer	Electret-condenser
Polar pattern.....	Uni-directional
Sensitivity.....	-46dBV/pa
Frequency response.....	20Hz~20KHz
Input impedance.....	2.2kOhm
Earphone	
Frequency Response.....	30~20KHZ
Earphone load.....	>8ohm
Earphone volume.....	10mW
Directivity 0°/180°	> 20 dB (1 kHz)
Equivalent noise	20 dBA (SPL)
Maximum sound pressure level.....	125 dB (THD<3%)
Interface	
Display.....	320x64 dot (blue white)
Connector.....	2 x \varnothing 3.5 mm earphone jack, 2 x \varnothing 3.5 mm Microphone jack,2xRJ45 port,1x2.5mm adapter port
Mechanical	
Dimension h x w x d (mm).....	280x128x55
Weight.....	1.5kg

System Diagram



VIS-AIB
Microphone interface box



VIS-AIB

The VIS-AIB microphone interface box is designed to support VISONIC conference microphone remotely installed under the table or armrest solution. With the phoenix connectors on both sides of the box, it can connect Dynamic mic/Boundary Condenser mic input, buttons and speakers on plate to control the conference unit etc. By the RJ45 port it can easily connect into existing VISONIC conference microphone family to integrated into one part seamlessly.

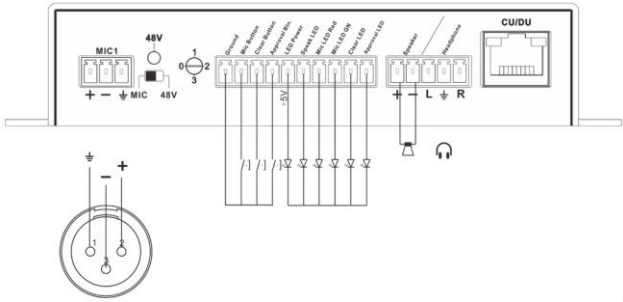
It's an ideal solution for customized operation plate on the table and hide the main part of microphone, or any analog microphone like wired handheld type into the same system.

- Features:
- Compact metal cover design to mount under table or armrest of chair.
 - VIS-AIB Microphone interface box is suitable for customized installation solutions. It allows to add a variety of functions to meet meeting needs. In addition, two separate audio inputs are provided, each with or without phantom power microphone, such as capacitor type or dynamic type.
 - It also provides microphone switch button, priority button, approval button and corresponding LED light Phoenix interface, which is used to customize embedded button panel for gooseneck microphone.
 - Adjustable sensitivity, compatible with different inputs
 - RJ45 port to connect into VISONIC networked system seamlessly
 - It provides two phoenix stereo jacks for connecting to headphones, and two speaker outputs for connecting to speaker panels (VIS-SPK-F) or custom speakers.

Technical specs:

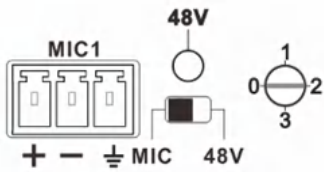
Voltage supply	48V DC
Static power consumption	1W
Frequency Response	20Hz ~ 20KHz
Noise ratio (S / N)	> 80dB
Total harmonic distortion	<0.05%
Channel Crosstalk	> 80dB
Dimensions (mm)	120L x 100W x30H with two ears for screw fix
Color	Black
Weight	0.5KG

Wiring Connections:

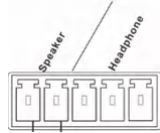
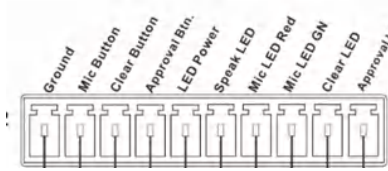


- 2x Group phoenix connectors including:
- Ground
 - Mic button for microphone ON/OFF
 - Clear button for chairman priority operation
 - Approval Button for chairman priority operation
 - LED Power: +5 V, max. 40 mA
 - Speak LED indicate the gooseneck light color
 - Mic LED red indicate the microphone is ON of the conference unit
 - Mic LED green indicate the microphone is in request-to-speak mode of the conference unit
 - Clear LED shows the chairman is in priory mode to mute or close the delegate
 - Approval LED shows the chairman operating approval to speak

Connectors:



- 2xRJ45 port
- 2xBoundary condenser mic phoenix connector
- 2xSwitch for MIC/48V option
- 2xGain adjust knob



- 2x 5 pin phoenix connector for speaker and headphone
- Headphone Output inductance: 16 Ω
- Speaker output inductance: 8Ω
- Frequency response: 20~15000hz

VIS-PTA-T

Analog Array Microphone Unit



VIS-PTA-T

The SONICON series array microphones designed by VISSONIC adopt the ARRA-Tech™ array microphone technology independently developed. The sound pickup distance is not less than 80CM. The corridor-type directional characteristics increase the acoustic transmission gain. The use of hidden microphones makes the conference room cleaner. The array microphone maintains a clear and stable pickup function, increasing the speaker's range of activity.

Features:

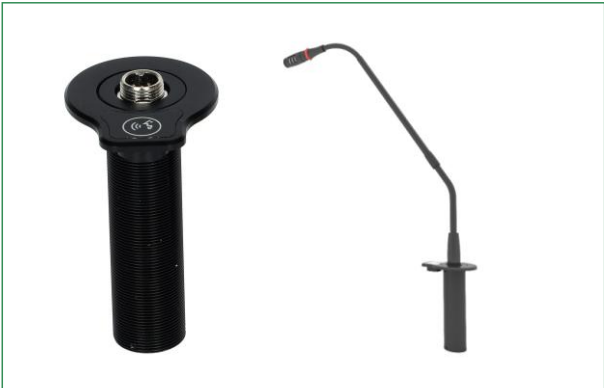
- Unique modern design with touch button.
- Using the self-developed ARRA-Tech™ array microphone technology,
- The pickup distance is 60-80CM. The establishment of a personal pick-up sound area, whether the speaker is standing, backward or sideways, provide freely speaking experience.
- With no goose neck design, speakers and attendees can communicate without blocking the view.
- The hidden adjustable gain knob can quickly set up the whole system according to the field sound amplification conditions.
- 2m audio cable with XLR male connector for extending to the VISSONIC dB-NET series DSP audio matrix or any mixer system.

Technical Parameters:

Microphone	Microphone Array
Polar pattern	Corridor
Control	Touch button for on/off
Frequency response	30 - 18,000 Hz
Optimal distance of the speaker	60 - 80 cm
Open circuit voltage at 1 kHz	approx. 200 mV/Pa
Output level with selector	0dB,-5dB,-10dB or -20dB
Nominal impedance	200 Ω
Load impedance	> 1 kΩ
S/N ratio rel. to 1 Pa	60 dB
T.H.D	< 0.1%
Voltage supply	Phantom powering 48 V ±4 V to 6.8 kΩ
Supply impedance	24 V ±4 V to 1.2 kΩ supply impedance
Power consumption	11 mA*
Connection	3 pins XLR

VIS-GSK-F

Flush Mount Microphone Base



VIS-GSK-F

Features:

- Built-in microphone socket, suitable for VIS-M series 6-pin gooseneck microphone
- It is used for inconspicuous installation on the desktop with compact design.
- Capacitive touch switch button can be optionally installed to easily set the microphone off or on for sound pickup. The built-in switch can be used for control from remote equipment.
- Touch button comes with LED status light, operates with phantom power, provides white / red two colors
- Operation with 24-48V phantom power
- Output with 3-pin XLR or 3.5 Phoenix connector
- After inserting the microphone in place, the microphone comes with fasten lock, and the microphone can only be removed after unlock it
- Built-in RF filter
- Equipped with rubber isolators to reduce vibration noise on the installation surface

Specification:

Output impedance	360 Ω
control	
High level when in down position	(DC + 5V)
Low level when in up position	(DC 0V)
LED indicator	
High electric level DC + 5V)	red
Low electric level (DC 0V)	white
Phantom power	
DC	24-48V
Power Consumption	4 mA typical
Switch	
Touch control	
Weight	65 g
Dimensions	length 128.2 mm, maximum width 55.3 mm
Accessories	
One set of metal fixing ring for standard installation, one pair of shockproof isolators	

CLEACON VIS-BDY-F

Flush mount boundary Microphone



CLEACON VIS-BDY-F

VIS-BDY-F is a built-in microphone that makes the microphone hide on the desktop when not in use. This is achieved by simply pressing down on the top of the microphone until it locks. Then press the microphone again, and the microphone will rise back to its original position. This microphone can be used in the CLEACON Full-digital network conference system through the VIS-AIB analog connection box, or it can be used in the analog system, such as VIS-FS100-A automatic feedback suppressor, mixer, audio processor, etc.

Features:

- Low profile on any desktop or surface
- The microphone is equipped with a reed switch, which is designed to switch at the beginning and end of each session when the microphone is no longer used. When the microphone is in the up position, the switch contact is closed (ON), and when it is retracted, the switch will be OFF.

- Capacitive touch button can be optionally installed to easily set the microphone off or on for sound pickup.
- Cardioid pattern.
- Built-in microphone preamp power supply module, no need to use external power supply module
- The sturdy all-metal structure design provides two layers of steel mesh cover protection
- The microphone works from DC 11V to 52V phantom power.
- Output with 3-pin XLR or 3.5 Phoenix connector
- Built-in ring-shaped LED status indicator
- Built-in RF filter
- Equipped with shock-proof isolators to reduce vibration noise on the installation surface

Technical Parameters:

Mic capsule	electrostatic capacitive type
Directivity Pattern	Cardioid
Frequency response	40-19,000 Hz
Turn-on sensitivity	-40 dB (10 mV) at 1V at 1 Pa
Impedance	200 ohm
High maximum	SPL 142 dB SPL, 1 kHz at 3% T.H.D.
Dynamic range	(typical) 113 dB, 1 kHz at highest sound pressure level
S / N	65 dB, 1 kHz at 1 Pa
Phantom power	DC 11-52V, power consumption 5.7 mA typical
Switch Touch control	On / Mute
Weight	65 g
Overall	length 84.8 mm, diameter 38.0 mm, maximum width 48.0 mm
Output terminal	Built-in 3-pin XLR
Standard configuration	1 pair of shock-proof isolator



CLEACON VIS-CIB

Full digital interface box



CLEACON VIS-CIB

Features:

- The full-digital interface box is a conference product specially designed to meet the special needs of the conference. The exterior is mini and lightweight, and the all-metal thin shell design can cope with any environment and can be easily installed under the table and table. Indirect seams or armrests can be connected to the VISONIC hand microphone for conference environments without a conference table. Or when there is a need to customize a dedicated conference panel or a panel with special features, VIS-CIB can meet the diverse needs of customers.
- Built-in DSP digital sound processor,48kHz High-quality sound sampling frequency for AGC function of the picked-up audio for devices such as gooseneck microphones on connected panels or handheld microphones. At the same time, it also has ANC function to filter out the noisy background audio in the conference space. Through the AFC function, the feedback problem can be processed effectively and quickly, avoiding the whistling of the microphone and affecting the quality of the conference. And can transmit high-definition lossless digital audio through digital audio processing technology
- All-in-one interface box with chairman and delegate switching function, only need to connect with the conference controller, and quickly and easily switch the device function settings directly from the controller menu, without using the computer, through the web program or It is a software setting.
- Ability to use the Cat5e cable with all VIS-DCP2000 full-digital conference controller and conference device are connected to each other and support hot-swap function. Users can join or remove the conference device at any time during the conference according to the needs of the conference, and will not affect any microphone in the conference.
- With digital ID configuration function, users can customize the representative ID address of the conference device before the conference by extending the external customized panel according to the needs of the conference, which can be used for sound group distribution and external output, or the conference microphone is used for the automatic tracking of the speaker

- image.
- When using an extended external custom panel, the VIS-CIB provides the following features:
 - The plug-in gooseneck microphone dual-color display function can display the speech or wait for the speech status.
 - For the panel of the chairman function: Provide the chairman function switch to turn off the delegate function.
 - When it is a panel of the function: Provide speaking switch.
 - Provides speaker output function, which can be used to selectively set the conference system loudspeakers on the panel.
 - Supports the speaking timing function, which automatically turns off the microphone when the speaking time is cut off.
 - The conference microphone function can be activated by voice control through the voice of the speaker.

Specification:

Maximum power consumption.....	2.0W
Frequency response.....	20~20kHz
Total Harmonic Distortion (THD).....	<0.1%
Dynamic range.....	>94dB
Signal to noise ratio (S/N)	>96dB
Rated microphone input.....	>70dB SPL
Maximum microphone input.....	>100dB SPL
Speaker rated output.....	>70dB SPL at 0.5m
Sensitivity.....	-46 dBV/Pa

Connect:	
RJ-45 female seat.....	2
D-Sub 15 Pin.....	1
Color.....	Black
Weight.....	300g
size (mm).....	100L x 60W x 24 H

CLEACON VIS-HM100

Handheld Microphone



CLEACON VIS-HM100

Features:

The VIS-HM100 is a handheld conference microphone for the CLEACON system. The microphone is designed for the CLEACON series of conference units VIS-CIB. Applications for this microphone include a pressroom where the speaker needs to stand up, an auditorium, etc., or where the microphone must be hidden when not in use. The microphone features a low-noise condenser core design for clear speech and reduced feedback through a cardioid directional mode. The mic core is acoustically and mechanically isolated to prevent the microphone from picking up mechanical noise from the table. There is a large illuminated ring on the microphone that indicates when the microphone is turned on. The switch is used to turn the microphone on/off or to add a unit to the request queue. The microphone is supplied with a professional 6-pin XLR plug for use with spiral or straight cable.

VIS-FS100-A

Automatic feedback suppressor



VIS-FS100-A

VIS-FS100-A feedback suppressor uses a powerful signal processor and a fully automatic adaptive algorithm, which is easy to use. In addition to supporting 4-line / microphone input, it is also equipped with an AUDIOLINK digital audio cascade interface and supports 5 channel automatic mixer.

Features:

- Fully automatic high-speed howling suppression algorithm, no need to debug, ready to use
- Eliminate feedback
- Automatically adapt to the acoustic environment
- Up to 12DB additional gain to effectively prevent feedback
- Equalized line or microphone input to provide phantom power
- With AUDIOLINK digital cascade input and output interface
- Four microphone inputs and digital interface AUDIOLINK inputs with automatic mixer

Functions:

- The adaptive filter can switch between "Fast" mode and "Precise" mode. Fast mode is suitable for situations where the microphone position changes frequently. Adaptive filters converge at a slower rate, suppressing more reverberation components. Depending on the acoustic environment and the selected operating mode, an additional gain of up to 12DB can be obtained before acoustic feedback occurs.
- The feedback suppressor also has a built-in automatic mixer to achieve four microphone inputs. In many cases, such as on a podium, pulpit, or conference table, the use of the above two microphones can better capture the voice of a moving speaker, which often increases the risk of acoustic feedback. In view of this problem, the automatic mixer in the feedback suppressor will automatically reduce the gain of the microphone with a weak signal input, while increasing the gain of another microphone with a strong signal input. In this way, it can track the speaker on the move, producing the best sound clarity. At the same time, since the total amount of gain remains constant, a maximum volume is maintained without generating acoustic feedback.
- When the feedback suppressor is configured with two AUDIOLINK cascade interfaces, it is connected to the CLEACON series conference controller through the AUDIOLINK interface, and the conference controller outputs audio to the feedback suppressor for mixing output, and can be cascaded to the next feedback suppressor or Other devices with AUDIOLINK interface.
- Even if the feedback suppressor is switched to the "bypass" mode, the automatic mixer function still works.

Control and Indicators:

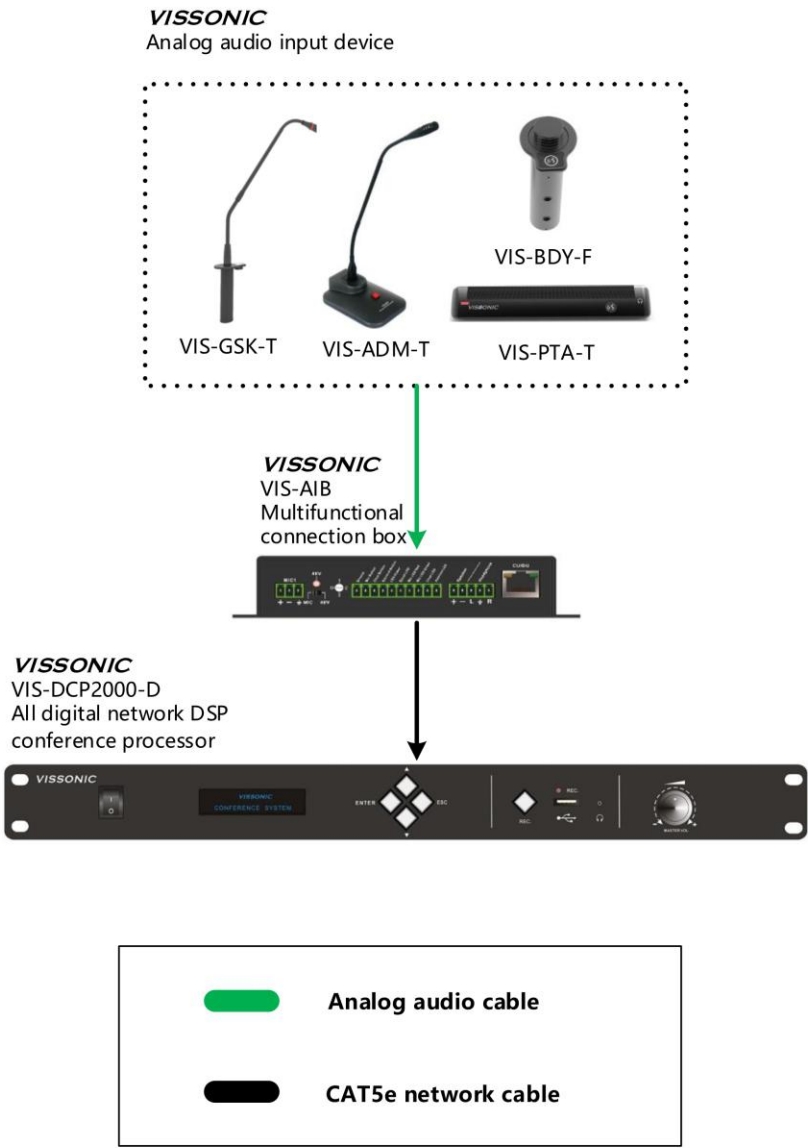
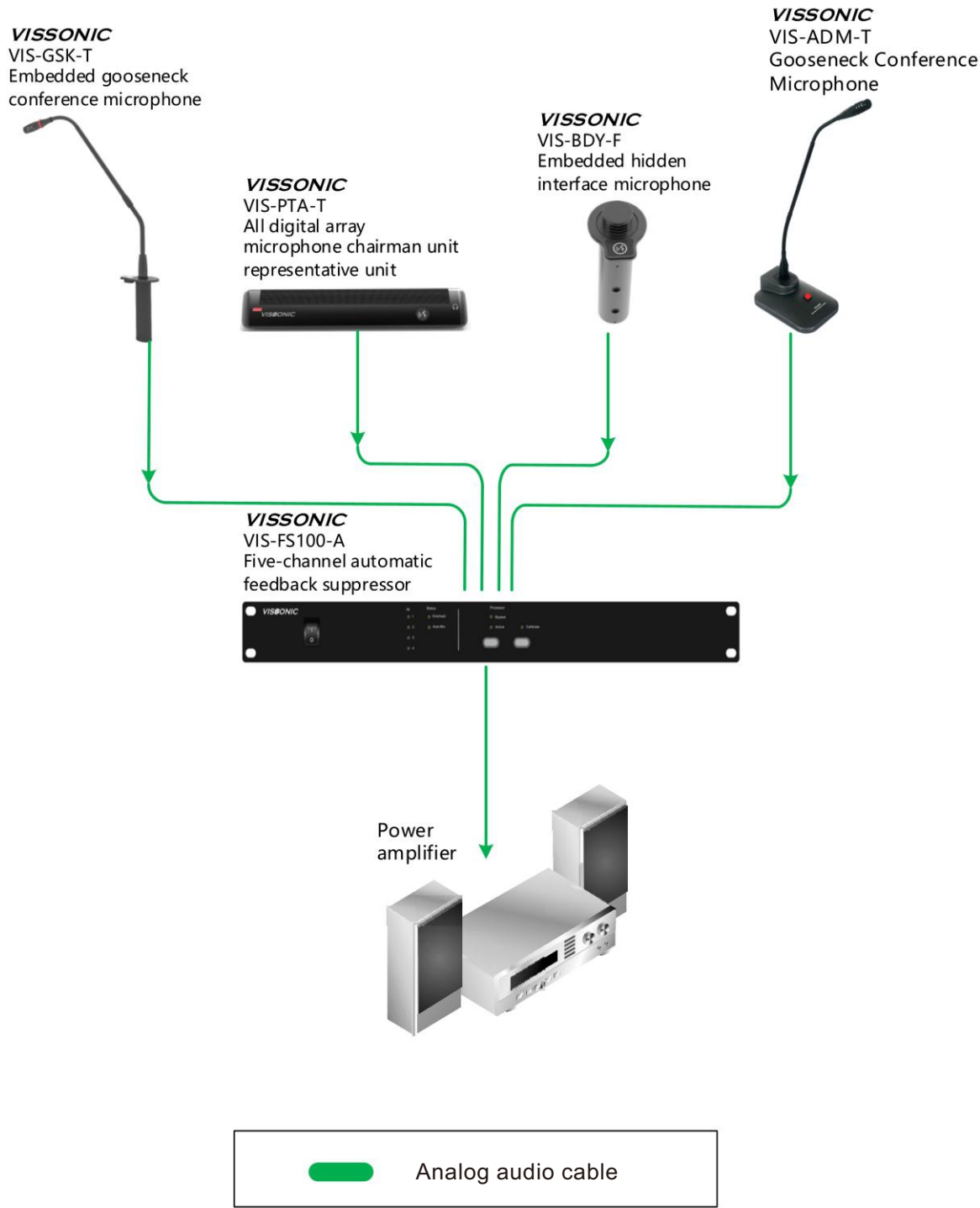
- Switch
- Bypass button with yellow LED
- Activate ACTIVE button with yellow LED
- Calibration button. Start quick calibration cycle
- 4-channel microphone / line input status indicator
- Overload (at 0DBFS), red LED
- Enable Auto Mix, yellow LED
- Calibration, yellow LED
- Relative humidity <95%

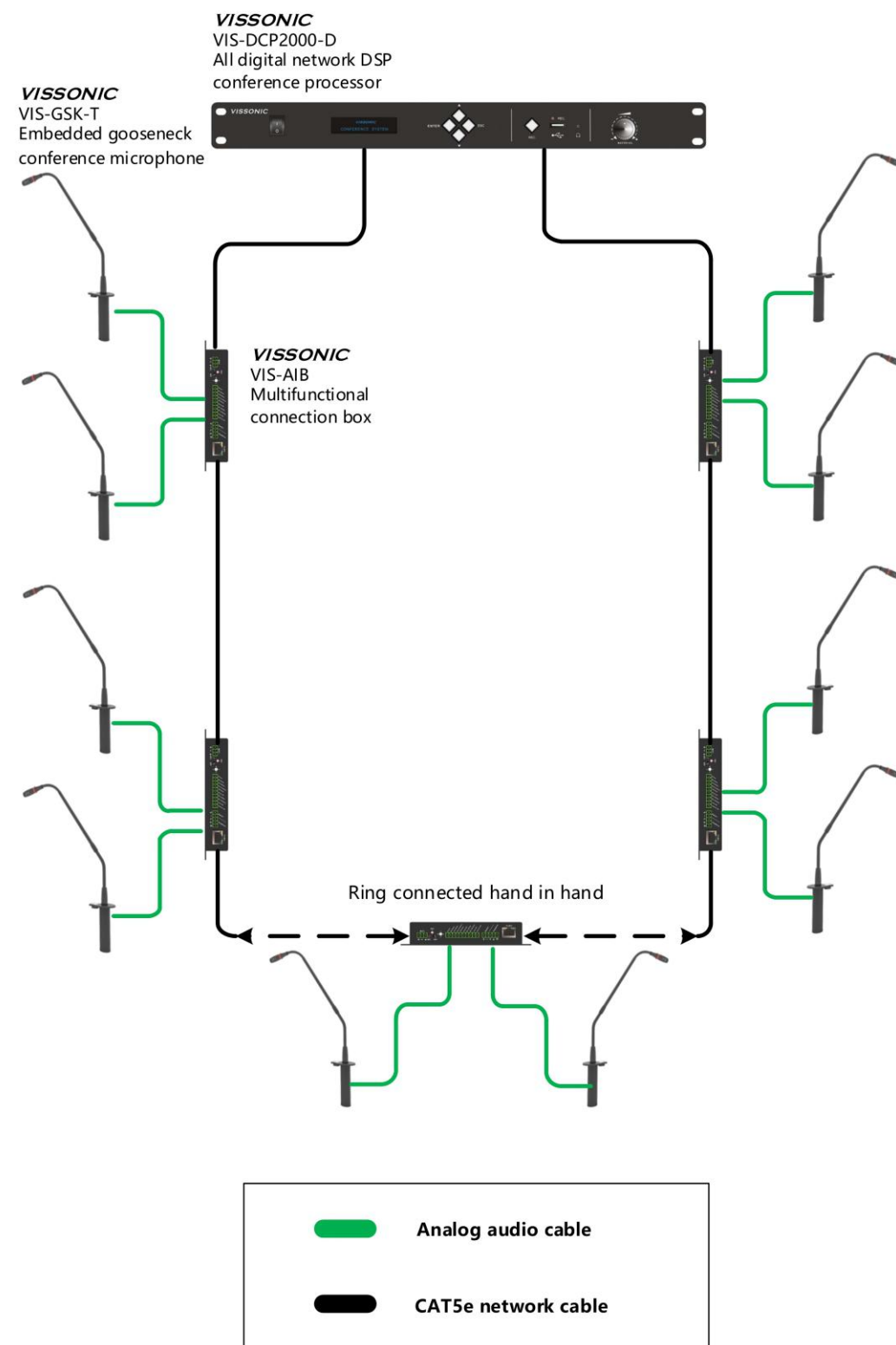
Technical Parameters:

Electrical characteristics	
Power supply voltage	230VAC / 115VAC, ± 10%, 50 / 60Hz 15W
Maximum starting power	1.5A (230VAC) / 3A (115VAC)
Sampling rate.....	32KHZ
Frequency response.....	125HZ-15KHZ <1% at 1KHZ distortion
Gain	0dB line in, 12dB / 0dB / -12dB (Low / Med / High) microphone input
Gain adjustment range.....	Mute ~ 20dB
S / N ratio.....	> 90DB
Signal delay	<11 ms
Decoupler frequency variation.....	up to 5HZ shielding noise
Line / microphone input	
Maximum input level.....	6dBv
Output resistance.....	<100 ohm
CMRR.....	> 25DB (50HZ-20KHZ)
	24V phantom power (microphone only, switchable)
	10dBv maximum output level

conventional	
Relative temperature	<95%
Weight	3 kg
Operating temperature range	from 10 ° C to 55 ° C
Storage temperature range	40 ° C to 70 ° C
Relative humidity	<95%

System Diagram



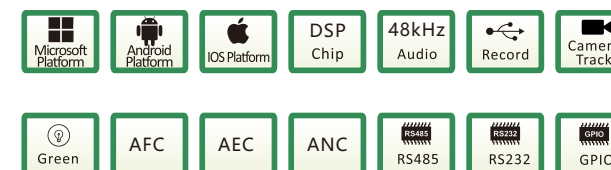


VIS-DSP8/DSP12/DSP16

Db-net Series Digital Dsp Audio Matrix



VIS-DSP8/DSP12/DSP16



- Features:**
- 8,12,16 road balanced microphone input, using the Phoenix plug interface.
 - 8,12,16 road balanced output, using the Phoenix plug interface.
 - The panel supports a variety of audio formats and can extend the USB multimedia storage and recording function.
 - Support PC, mobile phone, tablet, web, medium control platform, key panel, touch panel and so on to carry on multiple control.
 - Main algorithms, such as the built-in signal generator, automatic mixing, feedback suppressor, echo cancellation, noise elimination (optional), etc.
 - The input per channel: preamplifier, signal generator, expander, compressor, 5 parameters of equilibrium.
 - Output per channel: 31 stage graphic equalization, time delaying, frequency divider, limiter.
 - The function of full functional matrix mixing, with the built-in patented component matrix adjustment function.
 - Built-in automatic video tracking function, easy to implement video conferencing, support scene presupposition function, power automatic protection memory function, 1U all aluminum chassis.
 - Having dozens of kinds of professional audio processing module, for example; 5 segment equalizer, 31 band graphic equalizer, high precision compression and expansion and automatic gain, limiter, high sensitive divider, automatic mixer, delayer, matrix

- mixer, component matrix regulator, noise threshold, mute module, signal generator signal indication level meter.
- The built-in medium control code generator does not require the self application formula to edit the code.
- The equipment provides a universal programmable I/O port and sets fire fighting functions.
- RS-232 bidirectional serial control interface; it can control other external devices such as video matrix, video camera and other RS-232 devices, or receive third party RS-232 control.
- The phantom power supply (each input) +48 VDC10 mA.

Technical Parameters:	
The number of analog channels.....	8 road input +8 road output (DSP8), The 12 way input +12 road output (DSP12), the 16 way input +16 road output (DSP16)
Core algorithms.....	Automatic mixing, feedback elimination, echo cancellation
GPIO.....	the input and output share 8
RS232/RS485.....	1
RJ45 control interface.....	1
USB interface.....	1
Analog maximum gain.....	51dB
Sampling rate	48k
Frequency response (20~20KHz)	+ 0.2dB
Model / number dynamic range (A- power)	114dB
Number / mode dynamic range (A- power)	120dB
Input to the output dynamic range	108dB
Total harmonic distortion + noise	< 0.002% @1KHz, 4dBu
Bottom noise (A- power)	-90dBu
Delay storage	2s
Analog input to analog output system delay	3ms
Input impedance (balanced)	20KΩ
Output impedance (balanced)	100Ω
The maximum input level	+24dBu, balance
The maximum output level	+24dBu, balance
The equivalent input noise of EIN (20-20kHz, A weight)	≤-131dBu
Phantom power supply (per input).....	48V
Input common mode suppression, 60H	80dB
Channel isolation, 1kHz	100dB
Power consumption	<40W
Working power	AC110V-220V, 50Hz/60Hz
Mechanical parameters	
Installation of	19 "standard cabinet installation
Size (mm)	483 long x 260 deep x44 high
The working temperature of	-20° C ~ 60° C
Relative humidity	5% ~ 95%
The storage and transport of temperature	-40° C ~ 80° C
Weight	3kg

SPK Series

Full frequency linear POE column speaker

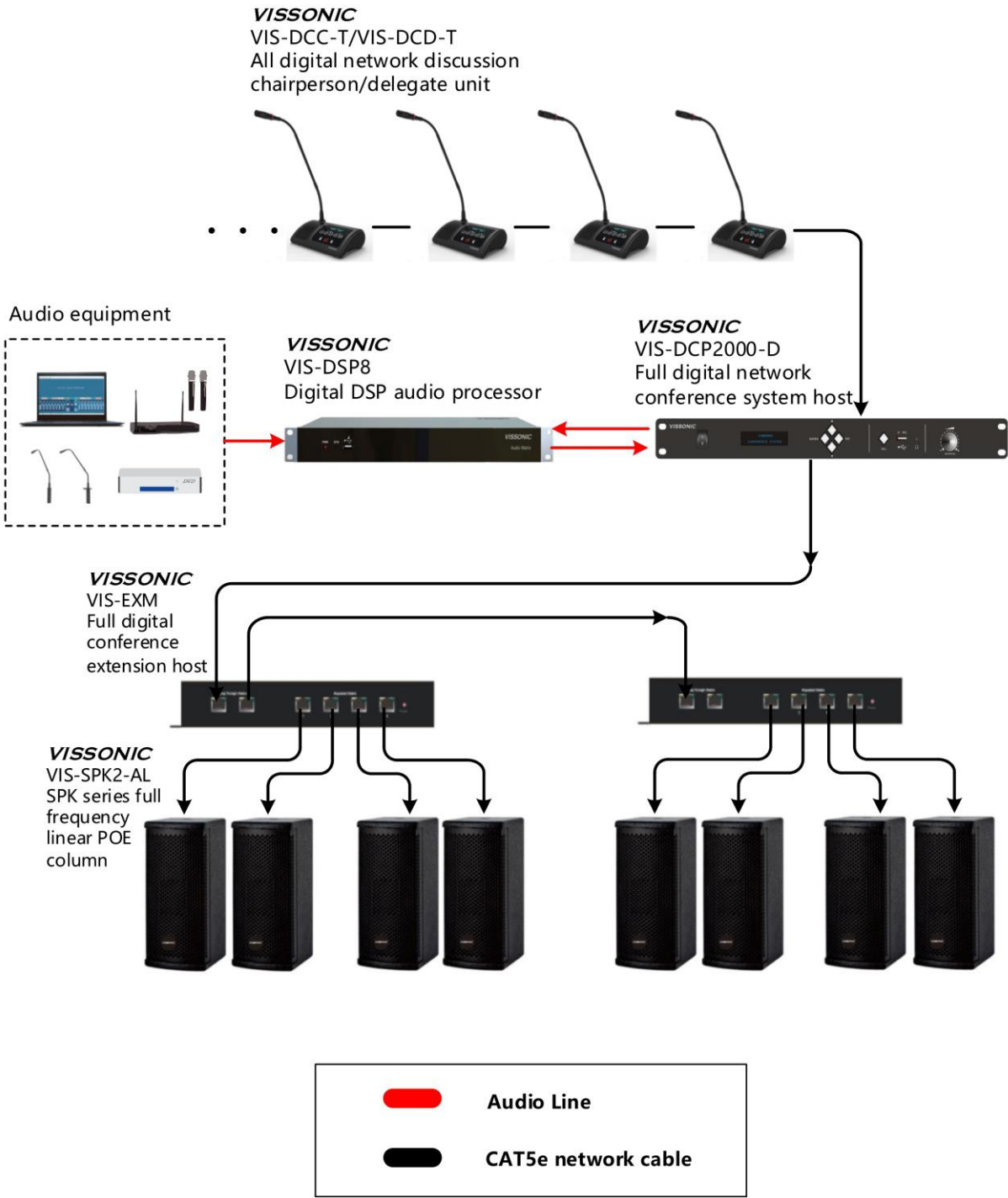
The SPK series full-frequency linear POE sound column adopts a 3-inch full-frequency unit, a wooden speaker, and a built-in POE amplifier, which has a high degree of sound reduction and DSP processing. The speaker only needs to connect a network cable to realize audio, power supply, DSP configuration and real-time signal control.



- Features:
- Built-in DSP processing, support gain, mute, equalization, pressure limit, noise gate software adjustment
 - AUDIOLINK digital transmission protocol, ultra-low latency, wireless loss and interference
 - A network cable transmits audio signals, control signals, and POE power
 - Overcurrent protection, high temperature protection, overload protection

model	VIS-SPK12-AL	VIS-SPK8-AL	VIS-SPK6-AL	VIS-SPK4-AL	VIS-SPK2-AL
System Components	12 × 3 "full frequency unit	8 × 3 "full frequency unit	8 × 3 "full frequency unit	8 × 3 "full frequency unit	8 × 3 "full frequency unit
Frequencyresponse (± 3dB)	120Hz-18kHz	120Hz-18kHz	130Hz-20kHz	135Hz-20kHz	140Hz-20kHz
Sensitivity	97dB	96dB/ w / m	95dB / w / m	93dB / w / m	91dB / w / m
Maximumsound pressure level	121dB	120dB	119dB	117dB	113dB
power	120W	120W	120W	120W	80W
Coverage angle	H100 ° × V15 °	H100 ° × V18 °	H100 ° × V20 °	H100 ° × V30 °	H100 ° × V40 °
interface	1 way RJ45	1 way RJ45	1 way RJ45	1 way RJ45	1 way RJ45
Material	Wooden	Wooden	Wooden	Wooden	Wooden
Cooling method	Natural convection cooling	Natural convection cooling	Natural convection cooling	Natural convection cooling	Natural convection cooling
size	124×155×101mm	120×150×720mm	120×150×540mm	120×150×370mm	120×150×210mm
net weight	12kg	8.5kg	6.5kg	4kg	2.5kg

System Diagram



Paperless Multimedia Conference System

NETLINK G1

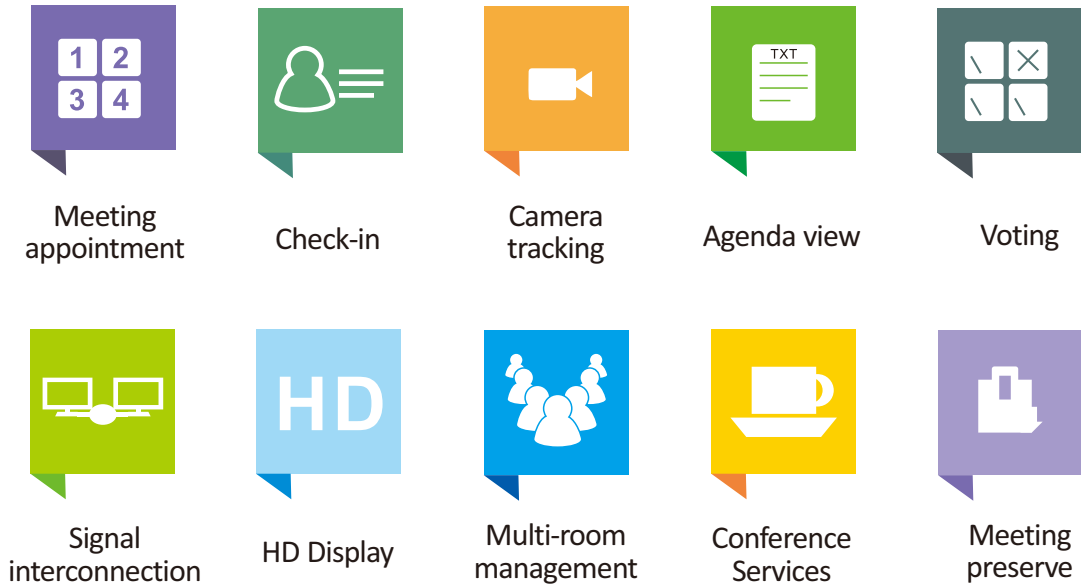
With the development of IT technology and the popularity of the concept of green, low carbon and environmental protection, paperless multimedia conference system has gradually become a trend in conference office.

NETLINK G1 series is a paperless multimedia conference system specially tailored for party and government organs, public institutions and large group enterprises to cope with the increasing number of expert meetings, executive meetings, review meetings, training meetings, summary meetings and so on.

Traditional meetings print a large amount of meeting materials and consume a large amount of paper at each meeting. At the same time, printing and other expenses are relatively high.A large amount of manpower and time before the meeting are sold more, which not only increases the financial cost, but also does not adapt to the development of the information age.

In addition, it is inconsistent with the society's active advocacy of "saving paper and being green and low carbon".

NETLINK G1 series paperless multimedia conference system uses display screen instead of traditional paper, uses network technology to get through the information of each seat, and realizes information sharing and conference interaction. G1 multimedia conference system designed with flexible, practical, efficient and energy-saving concepts has the functional Features: of < flexible reservation before the conference >, < guidance and assistance during the conference >, < summary and export after the conference >, and realizes efficient green conference.

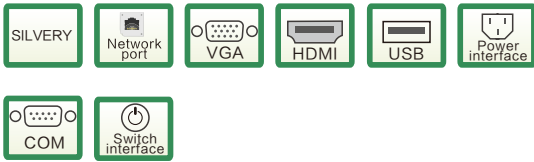


VIS-15LSSC

15'6 Lifting Screen Paperless lifting touch screen



VIS-15LSSC



Features:

- Lightweight and beautiful appearance.
- Adopting the finest materials and international standard aluminum alloy wire drawing with excellent technology.
- Convenient use, electric control, easy lifting, strong stability and good shock resistance.
- It can be used by a single machine and can be used by multiple groups to rise and fall. One host controls multiple devices.
- Lifting and lowering at the same time, which belongs to a new type of intelligent equipment for conference halls.Mechanical transmission structure of gear and rack ensures low failure rate and maintenance-free.
- Automatic 10° inclination, with optional adjustable inclination angle from 0° to 10°.
- It has automatic opening and closing decorative plates and rich interface terminals, which can be remotely controlled by a single machine or through the center.
- The controller realizes multi-set control and supports RS232 and RS485.
- With the latest USB Type-C and USB2.0 charging and communication transmission.
- Made of the finest materials and international standard aluminum alloy wire drawing, with various styles.
- Control mode: supports central control, remote control, manual control of panel keys, etc.
- Panel keys: up key (which supports elevation adjustment at the same time), down key (which supports elevation adjustment at the same time), stop key, computer on/off key, VGA / HDMI dual signal switching key, USB interface, etc. All keys are metal keys with military-grade design, elegant appearance and long service life.
- Features: Removable safety device has built-in protection functions such as limit, leakage, overload and current limit, which is safe and reliable. uto-off when headphone is disconnected after 5 minutes.

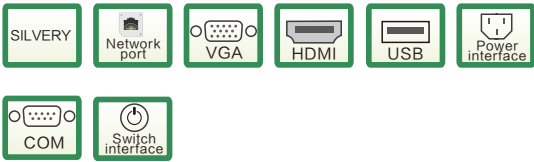
Technical Parameters				
Model Number	VIS-15LSSC	VIS-17LSSC	VIS-18LSSC	VIS-21LSSC
Panel size(mm)	430*70*3	476*70*3	510*70*3	582*70*3
Bottom Case(mm)	415*60*562	462*60*562	495*60*647	567*60*647
Screen size(inch)	15.6	17.3	18.4	21.5
Product Weight(kg)	7.5	8.5	9.5	12
Package Size(cm)	48.8x13.2x66	53.8x 13.2x66	56.5x 13.2x 74.5	63.5x13.2x 74.5
Gross Weigh(kg)	8.5	9.5	10.5	13

VIS-15LDSC

15'6 Lifting Screen with Name plate



VIS-15LDSC



Features:

- Lightweight and beautiful appearance.
- Adopting the finest materials and international standard aluminum alloy wire drawing with excellent technology.
- Convenient use, electric control, easy lifting, strong stability and good shock resistance.
- It can be used by a single machine and can be used by multiple groups to rise and fall. One host controls multiple devices.
- Lifting and lowering at the same time, which belongs to a new type of intelligent equipment for conference halls. Mechanical transmission structure of gear and rack ensures low failure rate and maintenance-free.
- Automatic 10° inclination, with optional adjustable inclination angle from 0° to 10°.
- It has automatic opening and closing decorative plates and rich interface terminals, which can be remotely controlled by a single machine or through the center.
- The controller realizes multi-set control and supports RS232 and RS485.
- With the latest USB Type-C and USB2.0 charging and communication transmission.
- Made of the finest materials and international standard aluminum alloy wire drawing, with various styles.
- Control mode: supports central control, remote control, manual control of panel keys, etc.
- Panel keys: up key (which supports elevation adjustment at the same time), down key (which supports elevation adjustment at the same time), stop key, computer on/off key, VGA / HDMI dual signal switching key, USB interface, etc. All keys are metal keys with military-grade design, elegant appearance and long service life.

Technical Parameters		
Model Number	VIS-15LDSC	VIS-17LDSC
Panel size(mm)	430*70*3	476*70*3
Bottom Case(mm)	415*60*497	461*60*519
Front screen size(inch)	15.6	17.3
Back screen size(inch)	10.1	10.1
Product Weight(kg)	12	14
Package Size(cm)	48.8x13.2x66	53.8x13.2x66
Gross Weight(kg)	13	15

VIS-SERVER-E Server

Paperless conference system server



VIS-SERVER-E



Features:

- Fashionable appearance, industrial design, aluminum alloy panel, anodic oxidation and wire drawing process, electrolytic plate integrated, resistant to contact 6KV strong electromagnetic interference
- Stable and reliable. Pure enterprise-class platform design is adopted to ensure a life cycle of more than 5 years and 100-240V wide pressure input
- Strong compatibility
- High performance, high scalability. Support Intel Core I5 full series CPU to establish the overall communication between server and client of the paperless conference system
- Provide conference room management, support simultaneous management of multiple conference room reservations in the system and set up each conference room
- Seat Management-Set up the entire conference room seat layout and personnel ID location
- Nameplate management-set the name and position of each seat participant, and synchronize to the nameplate display on each seat.
- Projection management-set the projection content corresponding to each topic, support pictures, text free editing
- Department Management-Input personnel are entered, modified and managed by departments. The one-time input system is stored for a long time to facilitate personnel search and free combination and linkage of intra-department meetings, inter-department meetings and multi-department meetings
- User Management-Set different personnel management permissions, including system administrator, meeting administrator and other permissions, to ensure system information security and system setting security

- Meeting Management-Staffing and agenda management for a meeting
- Attendee Management-You can configure, query and adjust attendees for each meeting at any time
- Document management-documents required for meeting topics can be imported into the system in advance, binding various topics, and being convenient for participants to consult
- Issue Management-Support agenda management and multi-issue meetings to ensure the completion and efficiency of the meeting process

Technical parameter:

Processor	Intel Core I5
Memory	DDR3 8G
Storage standard	128G SSD
I/O interface	1 VGA output interface, 1 HDMI output interface, 1 Audio interface
	1 Realtek network port, support 10/100/100Mbps
	5 RS-232 serial ports, 1 RS-485 serial port
	4 USB ports
Power consumption	18.5V 6.5A 120W
Voltage input	110-240V, 50/60Hz
Power Certification	CE CCC ROHS
Mean time between failure	50000 hours
Operating temperature	-10°C-60°C
Relative humidity	5%-90%, non-condensing

VIS-CLIENT

Client of paperless conference system



VIS-CLIENT



Features:

- It can be set as host and non-voting delegate according to the needs of meeting management.
- Provide meeting agenda guidance, meeting data link, speaker video tracking, screen synchronization, USB file import, electronic whiteboard, meeting record, SMS communication, browser and other functions.
- Industrial design, aluminum alloy panel, anodic oxidation and wire drawing process, electrolytic plate integrally formed, resistant to contact type 6KV strong electromagnetic interference
- Stable and reliable, using pure industrial control platform design to ensure a life cycle of more than 5 years and 100-240V wide voltage input.
- Strong compatibility.

Technical Parameters

CPU introduction	
CPU model	Intel Bay Trail-M J1900 quad-core Soc processor. (2M cache, basic frequency 2GHz and up to 2.42GHz Turo)
Core/thread	quad-core four-thread
RAM	Optional DDR3/2G maximum memory capacity is 8GB
Storage device	Optional SSD16G solid state drive, 32G/64G/128G, optional large capacity solid state drive of 256G or 2.5 notebook hard drive
Network card	Realtek RTL8105E /10/100/1000M Gigabit LAN chip
Display core	Intel HD Graphics 2000
WIFI	Built-in 300M wireless
Product interface	
CPU model	1* switch 1* power supply 1*HDMI interface 1*VGA 4*USB2.0 interfaces 1*audio output interface 1*audio input interface
Core/thread	
RAM	17W
Storage device	optional built-in type
Network card	1.52KG
Display core	12V4A
WIFI	19*19*2.5cm

VIS-VIDEOST

Streamer for paperless conference system



VIS-VIDEOST



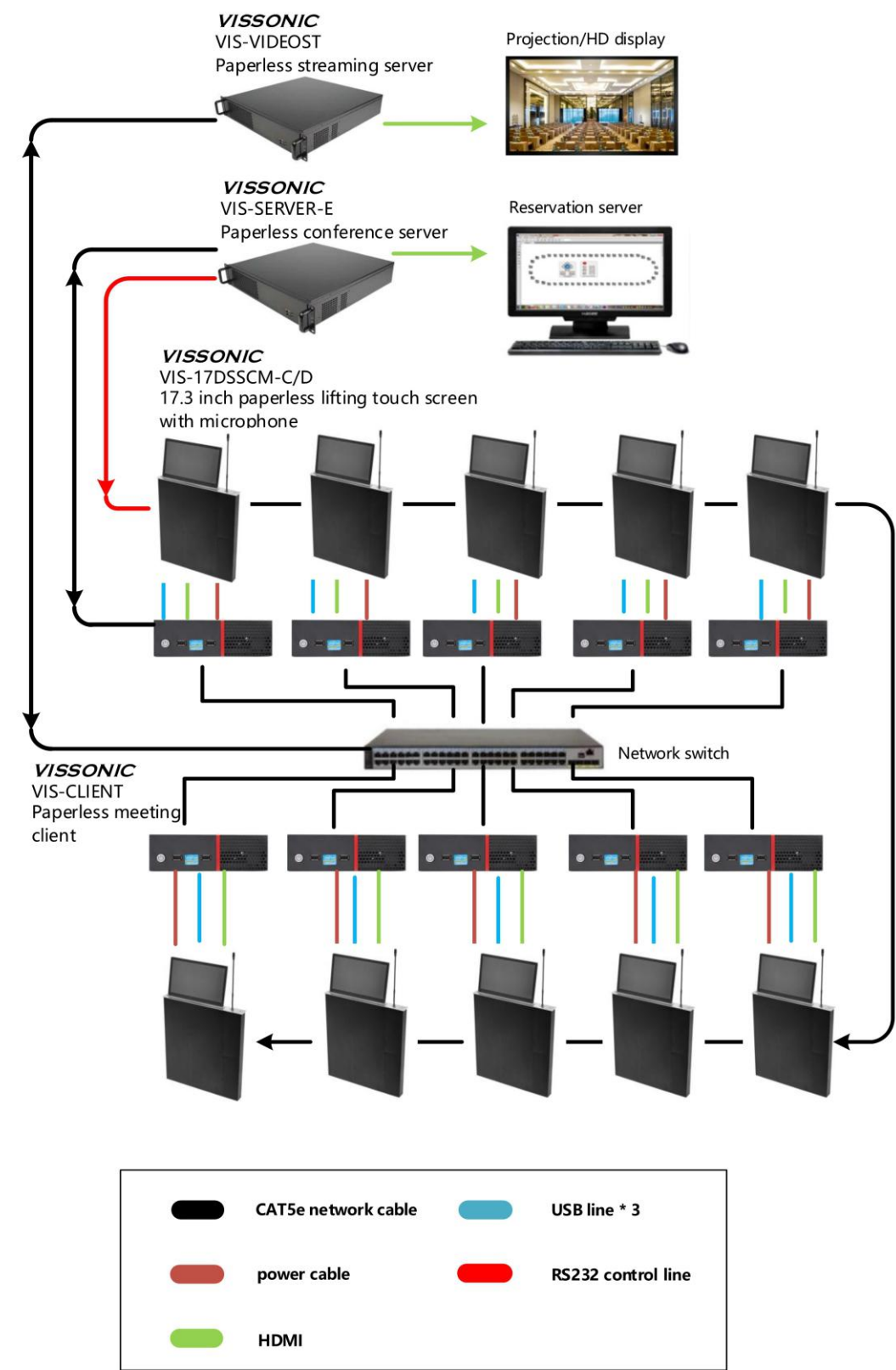
Features:

- Support HDMI or SDI video input, HDMI, VGA output
- Support live video streaming and on demand
- Support output to projection, display, matrix and other video equipment
- Stable and reliable. Pure industrial control platform design is adopted to ensure over 5 years of life cycle and 100-240V wide voltage input.
- High performance, high scalability. Supports Intel Core I5 Full Series CPU

Technical Parameters

Processor	Intel Core I5
Memory	DDR3 8G
Storage standard	128G SSD
I/O interface	1 VGA output interface, 1 HDMI output interface, 1 Audio interface
	1 Realtek network port, support 10/100/100Mbps
	5 RS-232 serial ports, 1 RS-485 serial port
Power consumption	4 USB ports
Voltage input	18.5V 6.5A 120W
Power Certification	110-240V, 50/60Hz
Mean time between failure	CE CCC ROHS
Operating temperature	50000 hours
Relative humidity	-10°C-60°C
	5%-90%, non-condensing

System Diagram



VIS-CRS02/03/05A
Professional AV Recorder and camera tracking



VIS-CRS02/03/05A

- Features:
- Compact portable equipment, integrated high-definition video, audio, VGA, USB and other input and output interfaces.
 - Support access HD and SD signals, automatic identification signal combined layout pattern of their choice, can be very convenient for video, audio and computer screen simultaneously recording signals and local preview playback.
 - Recording and generating common MP4 video files.
 - You can use PC manage and control system.
 - HDMI, VGA dual output design. HDMI output video conference screen, VGA output directed interface.
 - Working with conference controller DCP2000 to get the camera auto-tracking and recording system
 - Live broadcast under LAN or Ethernet

- Control & Indicators
- LCD display for setting and switching information
 - 4 buttons for menu setting
 - 4 video selection buttons

- Interface:
- 1x DC Power socket
 - 2/3/5x HDMI input
 - 2xHDMI output
 - 1xDVI output
 - 7xRS485 input
 - 1xRS485 for keyboard
 - 1xRS422&RS232
 - 1xDB9 female for conference system
 - 1xDB9 male for control system
 - 1xRJ45 for Ethernet

Technical Parameters:

DVI Input
Signal format/quantity.....DVI-D/2
Connector..... DVI-D
Pixel bandwidth.....165MHz
Impedance..... Differential 100Ω
Resolution.....800x600 / 60HZ to 1920x1080 / 60HZ
Transmission distance.....<35m

SDI Input
Signal format/quantity..... SDI/2
Connector..... BNC female connectors
Pixel bandwidth 165MHz
Video format.....270Mbps SDI,1.485Gbps HD-SDI and 2.97 Gbps 3G-SDI
Support resolution.....1280x720@50Hz~1920x1080@60Hz
Transmission distance:3G-SDI<100m, recommend certified SDI professional wire

DVI video Output
Signal format/quantity..... DVI-D/1
Connector..... DVI-D
Pixel bandwidth.....165MHz
Support resolution.....800x600@60Hz~1920x1080@60Hz
Transmission distance.....<7m

Control
RS-422/RS232..... 5 pins 3.8mm phoenix connector, RS-422:1=RX+,2=RX-,3=GND,4=TX+, 5=TX-RS-232:1=RX,3=GND,4=TX
Keyboard control.....5 pins 3.8mm phoenix connector, RS-485:1=TX+,2=GND, 3=TX-RJ45 connector 100m TCP/IP protocol

Others
power supply..... AC 90-240V / 50-60HZ
Chassis Specifications.....1U
Size.....482 (L) x 200 (W) x45 (H) mm
Weight.....2Kg

VIS-CATC-A

Camera Auto-tracking Controller



VIS-CATC-A

Features:

- 4 HD/3G SDI input, 1+1 HDMI output.
- 4x1+1 seamless scaler switcher, maximum supported output resolution is 1080P@60Hz
- Seamless switching, no jitter, no blank screen.
- Adjustable image freezing function

Functions:

- Turn on/off the channel number indicators
- 4x1 seamless scaler switcher, maximum supported output resolution is 1080P@60Hz,
- Seamless switching, no jitter, no blank screen.
- Adjustable image freezing function (freezing time from 1 to 6 seconds, freezing time cannot be less than 0.5 second or freezing function would be turned off).
- RS232 port to work with central controller or CLEACON series or CLASSIC-D series conference main unit for camera auto-tracking function.

Interface:

- 4x SDI input
- 2x HDMI-A
- 1x female Dp9

Technical Parameters:

Input
ISignal format/Quantity.....SDIx4
IConnector.....BNC female connectors
IPixel bandwidth.....165MHz
IVideo format270Mbps SDI, 1.485Gbps HD-SDI and 2.97Gbps 3G-SDI
ISupport resolution.....1280x720@50Hz;1280x720@60Hz; 1920x1080@25Hz; 1920x1080@30Hz; 1920x1080@50Hz;1920x1080@60Hz
ITransmission distance3G-SDI≤100m with certified SDI professional cable.

Output
ISignal format/Quantity.....HDMIx2
IConnector.....HDMI-A connectors
IPixel bandwidth.....165MHz
ISupport resolution..... 1280x720x50Hz;1280x720x60Hz; 1920x1080x50Hz;1920x1080x25Hz; 1920x1080x30Hz;1920x1080ix50Hz; 1920x1080x60Hz;1920x1080ix60Hz;
ITransmission distance.....HDMI≤7m with certified HDMI professional cable.

Control
IRS232 control
IFront panel control

Mechanical
IDimensions (mm)483L x 260W x43.6D
IWeight.....3kg
IColor.....black

VIS-CDC Series

Full HD Camera



VIS-CDC Series

Features:

- **H.265 support**
H.265 encoding supports conference cameras, and can realize full HD 1080p / 60fps video streaming through ultra-low bandwidth.
- **1080P Full HD**
Using a new generation of Panasonic's 1 / 2.8 inch high-quality high-definition CMOS sensor with 2.07 million effective pixels, it can achieve high-quality images with a maximum resolution of 1920x1080
- **Ultra high frame rate**
The output frame rate of 1080P is up to 60fps, the output frame rate of 720P is up to 120fps (only supported by the network), and 640x480P can be up to 240fps (only supported by the network, optional).
- **AAC audio coding**
supports AAC audio coding, with better sound quality and smaller bandwidth.
- **Local storage**
supports local storage module, without NVR recording directly to local USB flash drive.
- The low light and high SNR of the CMOS sensor combined with 2D and 3D noise reduction algorithms effectively reduces the noise. Even under low illumination conditions, the picture can still be kept clear and clear.
- Various interface, support HDMI output, 3G-SDI interface, effective transmission distance up to 150 meters (1080p30 or less). HDMI, SDI, and network can be output simultaneously. It also supports CVBS interface.
- 20x Optical + 32x Digital Zoom Use TAMRON high quality super telephoto lens, support 20x optical zoom, and 32x digital, 30x Optical + 16x Digital Zoom (Model VIS-CDC-30-S)
- **Remote Control**
Using RS232/485 interface, all the parameters of the camera can be remote controlled by the high-speed communications.

Specification:

VIS-CDC-S	VIS-CDC-30-S	VIS-CDC-U
Video System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/120 (supported by network only), 720p/60, 720p/50, 720p/30, 720p/25, 640x480p/240 (supported by network only, optional)SD: 480i, 576i	
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M	
Scanning Mode	Progressive	
Lens	20x, f4.42mm~88.5mm, F1.8 ~ F2.8, or30x, f4.3mm ~ 129.0mm, F1.8 ~ F2.8 (Model VIS-CDC-30-S)	
Digital Zoom	32x (optional),16x(optional Model VIS-CDC-30-S)	
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)	
Shutter	1/30s ~ 1/10000s	
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual	
Backlight Compensation	Support	
Digital Noise Reduction	2D&3D Digital Noise Reduction	
Video S/N	≥55dB	
Horizontal Angle of View	60.7° ~ 3.36°	
Vertical Angle of View	34.1° ~ 1.89°	
Horizontal Rotation Range	±170°	
Vertical Rotation Range	-30° ~ +90°	
Pan Speed Range	1.7° ~ 100°/s	
Tilt Speed Range	1.7° ~ 69.9°/s	
H & V Flip	Support	
Image Freeze	Support	
Face Detection	Support (optional)	
Local Storage	Support	
Number of Preset	255	
Preset Accuracy	0.1°	
USB Featured		
Operate System	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux	
Color System	YUV 4:2:2	
Video Format	USB3.0: 1080p/60, 1080p/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25 USB2.0: USB2.0:960x540p/30, 960x540p/25, 640x360p/60, 640x360p/50	
USB Video Communication Protocol	UVC 1.0	
UVC PTZ	Support	
IPC Features		
Video Compression	H.265/H.264/MJPEG	
Video Stream	Main Stream, Sub Stream	
Main Stream Resolution	1920x1080, 1280x720, 1024x576	
Sub Stream Resolution	720x576, 720x480, 320x240	
Video Bit Rate	128Kbps ~ 8192Kbps	
Bit Rate Type	Variable Rate, Fixed Rate	
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps, 720p120: 120fps, 640x480p240: 240fps	
Audio Compression	AAC	
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps	
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.	
Input/Output Interface		
HD Output	1xHDMI: Version 1.3 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard	1xHDMI: Version 1.3
SD Output	1xCVBS: 3.5mm mini jack, 1Vp-p, 75Ω	None
Network Interface	1xRJ45: 10M/100M Ethernet Interface	
Audio Interface	1-ch: 3.5mm Audio Interface, Line In	
USB	1xUSB2.0: Type A female jack	1xUSB3.0: Type B female jack 1xUSB2.0: Type A female jack
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P	
Power Jack	JEITA type (DC IN 12V)	
Generic Specification		
Input Voltage	DC 12V	
Current Consumption	1.0A (Max)	
Operating Temperature	-10℃ ~ 40℃ (14℉ ~ 104℉)	
Storage Temperature	-40℃ ~ 60℃ (-40℉ ~ 140℉)	

VIS-CDC-4K series
UHD Camera



VIS-CDC-4K series

Features:

- 4K Ultra HD
It adopts a new generation of SONY high-quality CMOS sensor with a maximum of 8.51 million pixels, which can achieve 4K (3840x2160) ultra-high-resolution high-quality images. And backward compatible with multiple resolutions such as 1080P and 720P.
- 71° wide-angle lens + 12x optical zoom
Exclusively customized high-quality real 8 million ultra-high-resolution 4K ultra-wide-angle lens, 12x optical zoom, horizontal field of view up to 71° .
- HDMI2.0
Support HDMI 2.0 specification, can directly output 4K uncompressed digital video.
- Low power consumption sleep function
Support low-power sleep/wake-up, the power consumption is less than 400mW in sleep state.
- Local storage
Support local storage function, can realize direct local recording on U disk without NVR.
- Low illumination
The new CMOS image sensor with ultra-high performance-to-noise ratio can effectively reduce image noise under low illumination conditions. At the same time, 2D and 3D noise reduction algorithms are applied to greatly reduce image noise. Even under ultra-low illumination conditions, the image remains clean and clear , The image signal-to-noise ratio is up to 55dB or more.
- Rich and perfect interface
Support HDMI2.0 high-definition output, and equipped with 3G-SDI interface, the effective transmission distance is up to 150 meters (1080p30). HDMI, 3G-SDI, USB3.0, LAN four channels can simultaneously output 4 channels of high-definition digital signals.
- Remote control
A variety of control methods, RS232, RS485, network and USB can be used to control the camera.
- Built-in gravity sensor
Support image automatic flip function, convenient for engineering installation and use.
- Smart Exposure
Effectively solve the impact of projectors, televisions and other equipment on shooting people.

Specification:

VIS-CDC-4K-C/VIS-CDC-4K-U	
Video System	4K@60fps, 4K@50fps,4K@30fps, 4K@25fps, 4K@59.94fps,4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps,1080I@50fp, 1080P@30fps,1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps
Sensor	1/2.5" , CMOS, Effective Pixel: 851M
Scanning Mode	Progressive
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	71° ~ 8.2°
Vertical Angle of View	42.7° ~ 4.5°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
Face Detection	Support (optional)
Local Storage	Support (optional)
Number of Preset	255
Preset Accuracy	0.1°
USB Featured	
Operate System	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System	YUV 4:2:2
Video Format	YUY2 : UP to 1080P@30fps H.264 AVC:UP to 2160P@60fps H.264 SVC: UP to 2160P@60fps MJPEG: UP to 2160P@60fps
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support
IPC Features	
Video Compression	H.265/H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	3840x2160,1920x1080, 1280x720, 1024x576,etc
Sub Stream Resolution	1920x1080,1280x720,720x576, 720x480, 320x240,etc
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC, G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Input/Output Interface	
HD Output	1xHDMI: Version 2.0
SD Output	1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	1xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line In/Mic In
USB	1xUSB3.0: Up to 4K@60fps compressed video and 1080P original video can be output
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)
Generic Specification	
Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
MTBF	≥30000 hours
Power Consumption	12W (Max)
Size	169mm x 142mm x 164mm
Net Weight	1.35Kg (3.0lb)

VIS-TCAMH
Auto-tracking Camera



VIS-TCAMH

Features:

- All-in-One Design for teacher and student
- Adjustable Viewing Angle in vertical (-25° ~ +15°)
- High Efficient Traking-by built-in image recognition and traking algorithms
- Easy Configuration to make a configuration for tracking by Ethernet
- 72.5° Wide-angle Lens + 32x Digital Zoom
- H.265 Support
- 1080P Full HD
- Apply Panasonic's HD CMOS sensor 1/2.7 inch, 2.07 million pixels
- Ultra-high Frame Rate up to 60fps in 1080P.
- AAC Audio Encoding
- Local Storage to recording to local USB flash disk without NVR.
- Low-light-High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm

Name	Auto Tracking Camera
Close-up Camera	
Video System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50,720p/30, 720p/25, 640x480p/240
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	32x (optional)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥ 55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
Local Storage	Support
Number of Preset	255
Preset Accuracy	0.1°

panorama camera	
Video System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50,720p/30, 720p/25, 640x480p/240
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens Mount	C/CS Mount
Auto Iris	DC Driver
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Day-night Mode	IR cut filter with auto switch
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Support
Image Freeze	Support
Ceiling Installation	Support
Network Features	
Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576
Second Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, Onvif, DHCP,RTSP, RTMP etc.
Input/Output Interface	
HD Output	1xHDMI: Version 1.3
Network Interface	2x3G-SD
Audio Interface	2xRJ45: 10M/100M Ethernet Interface
USB	1-ch: 3.5mm Audio Interface, Line In
Communication Interface	1xUSB2.0: Type A female jack
	1xRS232 for close-up camera
	1xRS232 Out for close-up camera
	1xRS232 for panorama camera
Communication Interface	1xRS485for close-up camera
Power Jack	JEITA type (DC IN 12V)
Generic Specification	
Input Voltage	DC 12V
Current Consumption	1.5A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W (Max)
MTBF	>30000h
Size	TBD
Net Weight	TBD

X9 Series Ultra High Bandwidth

Modular Seamless Switching Video Wall Processor



X9 Series Ultra High Bandwidth
Modular Seamless Switching Video Wall Processor

Features:

- The processor is based on hardware architecture
- The front panel has an LCD display and illuminated buttons to display and configure the device IP address.
- Modular design, flexibly configure input and output cards
- 2U / 3U / 7U / 12U / 24U / 48U Chassis size with mounting structure, from 8x8, 16x16, 36x36, 72x72, 144x144, 288x288 input / output channels respectively.
- Audio and video switching splicing processor based on FPGA architecture
- Can convert between the following signals: DVI HD, Dual-Link DVI 4K, HDMI HD, HDMI 4K, VGA, Component, Composite, YC, SD-HDI, HD-SDI, 3G-SDI, HDBaseT HD and HDBaseT 4K, Full digital switching, each seamless output card can achieve real-time seamless switching.
- Maximum resolution up to 4Kx2K @ 30Hz, backward compatible with all standard resolutions, and support non-standard resolution customization.
- Up to 288x 1080P input or 144x 4K UHD input.
- Up to 288x 1080P or 144x4K UHD seamless output.
- Redundant power supply is optional, will automatically take over without interrupting the operation of the controller
- Hot swapping of input boards and output boards without affecting the normal operation on systems.
- Real-time status monitoring of any module card temperature (input card, output card, control card), version, manufacturing information and fan speed.
- Automatic adjustment of cooling fan speed according to temperature changes.
- Automatic and manual backup configuration, export and import configuration file to control card.
- Online firmware and Micro USB upgrade
- EDID reading and EDID management
- Can simultaneously support seamless matrix pre-cutting / switching platform and LCD / LED / DLP video wall window splicing processing platform
- Each splicing output card can realize the video splicing function, and the image window can be arbitrarily zoomed, overlap, cross-screen, roaming, background picture setting, partial interception and enlargement within the full screen
- Configuration of preview card can realize video preview and switch on PC and tablet, and support real-time monitoring the content of the large screen.
- Comply with DVI 1.0 protocol, HDCP1.3 standard, HDMI 1.4a
- HDMI digital audio and analog audio selection input, HDMI digital audio and analog audio output simultaneously
- It has the characteristics of correction and compensation signals to reduce the error of video stream. DVI and HDMI input can reach 35 meters
- 200 sets of matrix pre-switching instructions and 200 sets of splicing plan instructions can be stored in the device, and can be switched with one key when called
- The system contains a variety of test images such as red, green, blue, and white to facilitate quick debugging and system maintenance
- HDBaseT input and output signals support embedded (or local) bidirectional RS-232 and bidirectional IR signals, and can choose to switch with the video signal or separate switching mode, and support POC external power supply;
- Flexible control mode, with front panel LCD screen key control, infrared control, RS-232 control and RS-232 loop-out control, computer software control, web page control, RS-422 external panel control interface and panel lock function Through the serial port control of the remote HDBaseT, it is convenient for

- users to cooperate with various remote control devices
- Using B / S architecture, the product itself supports mobile phone and tablet control, Android, IOS, Windows systems without installing any software and plug-ins without the need for external servers or central control;
 - Can adding text on input video, character color, size and position are optional
 - The splicing output supports a single display / screen with 2 or 4 windows.
 - SDI input card has a loop-out function, HDMI input card has both de-embedding output and analog input, and IP board has access of the network surveillance dome camera, and can control PTZ, and each board can connect at least 400 pcs
 - Window can be lock, the size and position of the window will be fixed, and once locked it cannot be moved
 - Manage more than 5 groups of display walls at the same time, each display wall can be a different display device, resolution or size. All display walls is real-time management.

Technical parameter:

Model	VW-VM0808	VW-VM1616	VW-VM3636	VW-VM7272	VW-VM144144	VW-VM288288
Interface						
Number of input cards	2/8	4/16	9/36	18/72	36/144	72/288
Number of output cards	2/8	4/16	9/36	18/72	36/144	72/288
Input Card Type	VW-HM4I,VW-DV4I,VW-HD4I,VW-VA4I,VW-SD4I,VW-IP2,VW-SF4I					
Seamless Output Card Type	VW-HMM4O,VW-DV4O,VW-HD4O,VW-VA4O,VW-SD4O,VW-SF4O,VW-SF4O,VW-PVW					
Splicing Output Card Type	VP-HM4O,VP-DV4O,VP-HD4O,VP-SF4O					
Bandwidth	13.5Gbps					
Serial control						
Serial control port structure	9-pin female D-type connector: 2 = TX, 3 = RX, 5 = GND; 9-pin male D-type connector: 2 = RX, 3 = TX, 5 = GND					
KEYBOARD Control interface						
Keyboard control interface	4-digit 3.8mm Phoenix interface					
Usage Mode	Used with the expansion keyboard MCP100					
Keyboard control	+5V=DC5V , + = DATA+, -=DATA-GND = Signal ground					
Ethernet control						
Ethernet control interface	RJ-45 Female interface					
Ethernet Control Protocol	TCP/IP					
Ethernet control rate	Adaptive 10M / 100M, full duplex or half duplex					
Specification						
System working power	100VAC ~ 240VAC 50/60 Hz International adaptive power supply					
Storage, working temperature	0 ~ +50°C					
Storage, working humidity	20% ~ 70%					
Chassis size	2U	3U	7U	12U	24U	
Product weight (not included board)	5KG	7KG	16KG	29KG	80KG	250KG
No-load power consumption (not included board)	18W		30W		70W	300W
Size (L x W x H) mm	483x400x89	483x400x132	483x400x310	483x400x532	483x400x1043	
Failures time period	30,000 hours					
Warranty	3 year free warranty, lifetime maintenance					

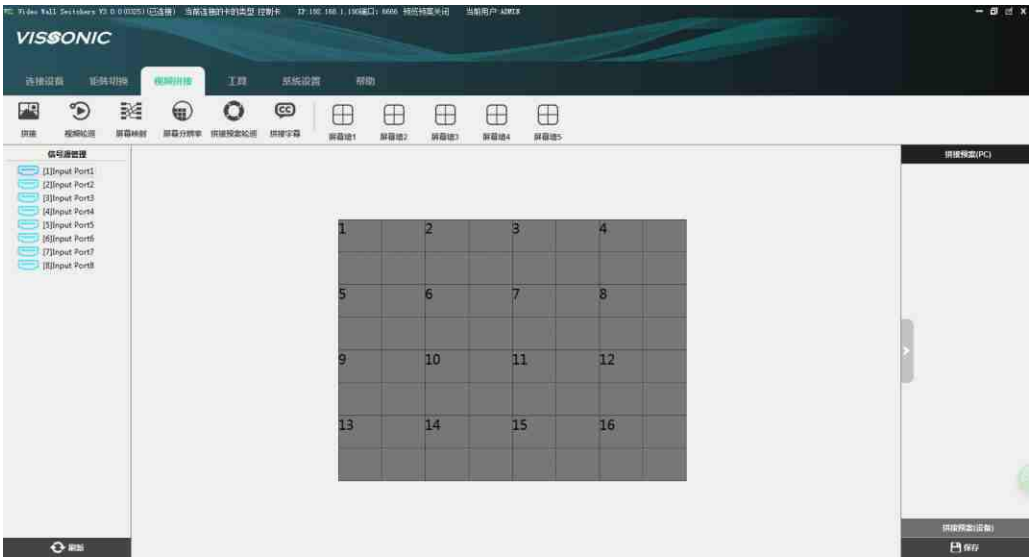
VW-PVW Video preview card



Features:

- 1 channel RJ45 interface preview output, can view 4 channels of video image information at the same time;
- Each channel video resolution:
1280x720@30fps : 800x600@30fps : 640x480@30fps : 352x288@30fps :
- H.264 & JPEG multi-stream encoding is applied, and the frame rate supports 1/16 ~ 60fps;
- Support hot plugging;
- Video switching through preview control

VIS-X9SOFT Management Software



Features:

- Matrix switching control with preview to switch function
- Video wall configuration function
- Real-time status monitoring of the temperature (input card, output card, control card), version, manufacturing information and fan speed etc.
- Maximum controlling 5 video walls simultaneously
- Support input video preview function (requires preview card)
- 200 splicing plans can be saved on the processor, 200 matrix switching plans can be recalled with one key on the software
- OSD text overlay function for subtitles and messaging
- User right management
- Drag and drop from input to output
- Open the window and draw the window size on the video wall

VW-HM4I HDMI INPUT CARD



Features:

- 4 HDMI-A interfaces, 8x3.5mm audio sockets;
- The longest distance up to 35 meters;
- Hot swap, support audio and video signal switching together
- 3.5 analog audio and HDMI embedded audio selection input;
- Digital audio de-embedding can output to 3.5 audio socket
- EDID reading function
- Compatible with HDMI1.3a standard, HDCP1.3 protocol, DVI1.0 protocol;
- Maximum supported resolution: HDPC : 1920x1200P@60 : HDTV : 1920x1080P@60

Technical parameter:

Technical parameter	Model	VW-HM4I
protocol		
		HDMI1.3a standard, HDCP1.3 protocol, DVI1.0 protocol;
video		
Gain		0dB
Pixel bandwidth		165MHz,full digital
Interface bandwidth		2.25Gbps,full digital (total 6.75Gbps, each color is 2.25Gbps))
Resolution		800×600@, 1024×768@60, 1280×720@60, 1280×768@60, 1280x800@60, 1280x960@60, 1280x960@60, 1280x1024@60, 1360x768@60, 1366x768@60, 1440x900@60, 1600x1200@60, 1920x1080@25, 1920x1080P@30, 1920x1080P@60, 1920x1200P@60,1920x1080i@50, 1920x1080i@60
Clock Jitter		<0.15 Tbit
Risetime		<0.3Tbit (20%--80%)
Bit fall time (Falltime)		<0.3Tbit (20%--80%)
Maximum transmission delay		5nS(±1nS)
interface		4 HDMI-A ports, 4 3.5mm audio jacks
Signal strength		T.M.D.S. +/- 0.4Vpp
Min / Max level		T.M.D.S.2.9V/3.3V
impedance		50 Ω
EDID	default EDID and read function (Optional	N/A
Maximum DC offset error		15mV
Recommended maximum input / output distance		Input less than 35 meters, at 1600x1200 @ 60 (recommended to use certified HDMI Special wire, such as Molex TM wire)
product weight		0.5KG
product weight		15W

VW-HM2I HDMI 4K INPUT CARD



Features:

- 2 HDMI-A interfaces, 4x3.5mm audio sockets;
- The longest distance up to 35 meters;
- Hot swap, support audio and video signal switching together
- 3.5 analog audio and HDMI embedded audio selection input;
- Digital audio de-embedding output to 3.5 audio socket
- EDID reading function
- Compatible with HDMI1.3a standard, HDCP1.3 protocol, DVI1.0 protocol;
- Maximum supported resolution: HDPC : 1920x1200P@60 : HDTV : 1920x1080P@60

Technical parameter:

Technical parameter	Model	VW-HM2I
protocol		
		HDMI1.4 standard, HDCP1.3 protocol, DVI1.0 protocol;
video		
Gain		0dB
Pixel bandwidth		297MHz,full digital
Interface bandwidth		4.5Gbps full digital (13.5Gbps in total, 4.5Gbps for each color)
Resolution		800×600@, 1024×768@60, 1280×720@60, 1280×768@60, 1280x800@60, 1280x960@60, 1280x960@60, 1280x1024@60, 1360x768@60, 1366x768@60, 1440x900@60, 1600x1200@60, 1920x1080@25, 1920x1080P@30, 1920x21080P@60, 1920x1080i@50, 1920x1080i@60
Clock Jitter		<0.15 Tbit
Risetime		<0.3Tbit (20%--80%)
Bit fall time (Falltime)		<0.3Tbit (20%--80%)
Maximum transmission delay		5nS(±1nS)
interface		2 HDMI ports, 3.5mm audio jack
Signal strength		T.M.D.S. +/- 0.4Vpp
Min / Max level		T.M.D.S.2.9V/3.3V
impedance		50 Ω
EDID		N/A
Maximum DC offset error		15mV
Recommended maximum input / output distance		Input less than 35 meters, at 1600x1200 @ 60 (recommended to use certified HDMI Special wire, such as Molex TM wire)
product weight		0.5KG
product weight		15W

VW-HD4I HDBaseT INPUT CARD



Features:

- 4 channel high-speed RJ45 interface seamless output, 4 channel 6PIN Phoenix socket interface;
- Using CAT5e / 6 cable output the longest distance up to 1080P @ 60HZ 100M;
- Hot swap of card, audio and video signal switching together;
- Infrared serial port output, optional IO switch card, can realize infrared serial port switch;
- Compatible with HDBaseT protocol;
- Maximum supported resolution : HDCP : 1920x1200P@60 ; HDTV : 1920x1080P@60

Technical parameter:

Technical parameter	Model	VW-HD4I
Link port input / output		
interface	4 channel high-speed RJ45 and 4 channel 6PIN Phoenix	
Supported protocols	HDBaseT protocol	
Pixel bandwidth	165MHz,full digital	
Interface bandwidth	2.25Gbps,full digital (total 6.75Gbps, each color is 2.25Gbps)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1440x900@60,1600x900@60,1600x1200@60,1920x1080P@60,1920x1200P@60,1920x1080i@50,1920X1080i@60;	
signal type	High-speed differential signals defined in HDBaseT protocol	
Network cable power supply	With POC power supply (+ 48V), for POC Powered by our company's CAT5 series transmitter, this card input port can provide power to it through the network cable	
impedance	50 Ω	
EDID	default EDIDN/A (Optional)	
Maximum DC offset error	15mV	
Recommended maximum input / output distance	Maximum 100 meters, at 1600x1200 @ 60 (recommended to use NEXANS CAT5e / 6 special wire)	
product weight	0.5KG	
Maximum power consumption	27W	

VW-IP2I IP Streaming INPUT CARD



Features:

- 2 high-speed RJ45 ports ;
- Use CAT5e / 6 cable to output the longest distance up to 100M;
- Support web login to set network protocol, local network parameters or remote network parameters and other parameters;
- Can receiving fixed IP address video, or automatically search for encoding devices on the network;
- Support onvif, RTP, RTSP, RTCP, TCP, UDP and other network protocols;
- Support G711a, G711u, G726 and ADPCM audio encoding;
- Support Mainstream cameras such as HIKVISION, Dahua and Huawei;
- Maximum supported resolution 1920x1080P@60Hz.

Technical parameter:

Technical parameter	Model	VW-IP2I
Network protocol		
Onvif RTP RTCP RTSP TCP UDP		
video		
Network interface bandwidth	100M	
Video compression	H.264 MainProfile/H.264 Baseline Profile /H.264 HighProfile	
Audio compression	G711a G711u G726 ADPCM	
Control protocol	Support standard protocol ONVIF	
Maximum transmission delay	100ms (depending on coding delay and network transmission delay)	
IP parameters	Port1 default IP: 192.168.1.100 Port2 default IP: 192.168.2.100 Port3 default IP: 192.168.1.200 Port4 default IP: 192.168.2.200	
Resolution and frame rate	1920×1080@60Hz,1920×1080@30Hz,1920x1080@25Hz,1280×720@60Hz,1280x1024@60Hz,1280x960@60Hz,704x576@60Hz,704x576@30Hz,704x576@25Hz,704x480@60Hz,704x480@30Hz,704x480@25Hz,352x288@60Hz,352x288@30Hz,352x288@25Hz	
Recommended maximum input distance	100M	
product weight	0.5KG	
Maximum power consumption	25W	

VW-VA4I VGA INPUT CARD



Features: _____

- 4 channel DB15 female interface input, 3.5mm audio socket
- Support any VGA, CVBS, YPbPr signal input, can automatically identify the input signal source
- Hot swap of card, audio and video signal switching together
- Analog audio input
- Maximum supported resolution: HDCP: 1920x1200P @ 60; HDTV: 1920x1080P @ 60

Technical parameter: _____

Model		VW-VA4I	
Technical parameter			
interface		Db15 interface, 3.5mm audio jack	
interface			
Resolution	Composite video CV	Input card: 480i / NTSC, 576i / PAL Output card: 480i / NTSC, 576i / PAL	
	Component video YPbPr	Input card: 480i / NTSC, 480P / NTSC, 576i / PAL, 576P / PAL, 1280x720 @ 50, 1280x720 @ 60, 1920x1080i @ 50,1920X1080P @ 60; Output card: 1280x720 @ 60, 1920X1080P @ 60;	
	VGA video	Input card: 800x600 @ 60, 1024x768 @ 60, 1280x720 @ 60, 1280x768 @ 60, 1280x800 @ 60, 1280x960 @ 60,1280x1024 @ 60,1360x768 @ 60,1360x1024 @ 60,1366x768 @ 60, 1440x900 @ 60, 1400x1050 @ 60, 1600x900 @ 60, 1600x1200 @ 60,1680x1050 @ 60,1920X1080P @ 60; Output card: 800x600 @ 60, 1024x768 @ 60, 1280x720 @ 60, 1280x768 @ 60, 1280x800 @ 60, 1280x960 @ 60,1280x1024 @ 60,1360x768 @ 60,1366x768 @ 60,1440x900 @ 60,1600x900 @ 60, 1600x1200 @ 60,1920x1080P @ 60,1920X1200P@ 60;	
Gain		0dB	0 dB
bandwidth		150MHz @ -3dB	380MHz
Differential phase error		0.1°,3.58-4.43 MHz	
Differential gain error		0.1% , 3.58-4.43 MHz	
Signal strength		1V p-p: composite video CVBS	0.63V p-p to 0.9V p-p
Min / Max level		Analog signal: -2V / + 2V	RGB signal: 0V / 1.0V HV signal: 0V / 5.0V
input resistance		75 Ω	75 Ω
Return loss		<-30dB@5MHz	<-30dB@5MHz
product weight		0.5KG	
Maximum power consumption		20W	

VW-SDI4I SDI INPUT CARD



Features: _____

- 4 channel BNC female interface, 4 way BNC female interface ring out;
- Support hot plugging;
- HD / 3G SDI signal input
- Maximum supported resolution: HDCP: 1920x1200P @ 60; HDTV: 1920x1080P @ 60

Technical parameter: _____

Technical parameter \ Model		VW-SDI4I
Interface		4 channels BNC input (output), 4 channels BNC loop out
Supported Protocols		SMPTE 425M, SMPTE 424M,SMPTE 292M,SMPTE 259M-C,DVB-ASI
Pixel Bandwidth		2.970Gb/s 1.485Gb/s 270Mb/s
Resolution		1920x1080@25,1920x1080P@30,1280x720@60,1280x720@50,1920X1080 P@60,1920x1080i@50,1920X1080i@60;
Support Format		HD-SDI3G-SDI
Product Weight		0.5KG
Maximum Power Consumption		20W

VW-DV41 DVI INPUT CARD



Features:

- 4 channel DVI-D interface, 3.5mm audio socket
- The longest distance up to 35 meters;
- Hot swap, support audio and video signal switching together
- Analog audio and DVI video signal input
- EDID reading function
- Using DVI1.0 protocol
- Maximum supported resolution: HDPC: 1920x1200P @ 60; HDTV: 1920x1080P @ 60

Technical parameter:

Technical parameter \ Model	VW-DV4I	
protocol		
DVI1.0 protocol		
video		
Gain	0dB	
Pixel bandwidth	165MHz,full digital 165MHz, full digital or analog(optional)	
Interface bandwidth	2.25Gbps,full digital (total 6.75Gbp s, each color is 2.25Gbps)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1440x900@60,1600x900@60,1600x1200@60,1920x1080P@60,1920x1200P@60, 1920x1080i@50,1920X1080i@60;	
Clock Jitter	<0.15 Tbit	
Risetime	<0.3Tbit (20%--80%)	
Bit fall time (Falltime)	<0.3Tbit (20%--80%)	
Maximum transmission delay	5nS(±1nS)	
Interface	4 x DVI-D female interface, 4 x 3.5mm Audio seat	
Signal strength	T.M.D.S. +/- 0.4Vpp	
Min / Max level	T.M.D.S.2.9V/3.3V	
Impedance	50 Ω	
EDID	Default EDID and read function(Optional)	N/A
Maximum DC offset error	15mV	
Recommended maximum input / output distance	Input less than 35 meters, at 1600x1200 @60 hours (recommended to use certified DVI dedicated cable, such as Molex TM cable)	
Product weight	0.5KG	
Maximum power consumption	15W	

VW-SF4I OPTICAL FIBER INPUT CARD



Features:

- 4x single core optical fiber inputs;
- Support hot plugging;
- Matching with optical fiber transmitter can realize input signal transmission of 300 meters (multimode) or maximum 20 kilometers (single mode)
- Optional IO switch card can realize infrared serial port switch;
- Input maximum supported resolution: : HDPC 1920x1200P@60 ; HDTV 1920x1080P@60

Technical parameter:

Technical parameter \ Model	VW-SF4I
Interface	4 channels BNC input (output), 4 channels BNC loop out
Video	
Fiber optic interface	SC connector
Fiber type	Multimode/Single Mode(optional)
Wavelength	Multimode 850nm/Single Mode: 1310 –1620nm(optional)
Interface bandwidth	Forward: 6.25Gbps, Reverse: 3.125Gbps
Bit clock jitter (clock Jitter)	<0.15 Tbit <0.3Tbit (20%--80%)
Bit rise time	<0.3Tbit (20%--80%)
(Risetime)	OM3 multimode fiber: less than 300 meters, single mode fiber: 2 ~ 20 kilometers, at 1920x1080p @ 60
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1440x900@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60,1920x1080i@50,1920X1080i@60;
Product weight	0.5KG
Maximum power consumption	20W

VW-HM4O HDMI SEAMLESS OUTPUT CARD



Features:

- With 4 channels HDMI-A interface seamless output, 3.5mm audio socket
- Maximum output distance up to 7 meters
- Hot swap of card, audio and video signal switching together
- Analog audio and HDMI embedded audio can output at the same time
- EDID read function
- Compatible with HDMI1.3a standard, HDCP1.3 protocol, DVI1.0 protocol
- Maximum supported resolution: HDPC: 1920x1200P @ 60; HDTV: 1920x1080P @ 60

Technical parameter:

Model	VW-HM4O	
Technical parameter		
Protocol	Hdmi1.3a Standard, Hdcp1.3 Protocol, Dvi1.0 Protocol;	
Video		
Gain	0dB	
Pixel bandwidth	165MHz,full digital	
Interface bandwidth	2.25Gbps,full digital (total 6.75Gbps, each color is 2.25Gbps)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60 · 1280x800@60 1280x960@60 1280x1024@60,1360x768@60,1366x768@60,1440x900@60,1600x900@60,1600x1200@60, 1920x1080@25,1920x1080P@30,1920x1080P@60,1920x1200P@60,1920x1080i@50,1920X1080i@60;	
Clock Jitter	<0.15 Tbit	
Risetime	<0.3Tbit (20%--80%)	
Bit fall time (Falltime)	<0.3Tbit (20%--80%)	
Maximum transmission delay	5nS(±1nS)	
Interface	4 HDMI-A ports, 4 3.5mm audio jacks	
Signal strength	T.M.D.S. +/- 0.4Vpp	
Min / Max level	T.M.D.S.2.9V/3.3V	
Impedance	50 Ω	
EDID	default EDID and read function (Optional)	N/A
Maximum DC offset error	15mV	
Recommended maximum input / output distance	Input less than 35 meters, at 1600x1200 @60 hours (recommended to use certified HDMI Special wire, such as Molex TM wire)	The output is less than 7 meters, at 1600x1200 @ 60(It is recommended to use certified HDMI dedicated cable, such as Molex TM cable)
Product weight	0.5KG	0.5KG
Maximum power consumption	15W	15W

VW-HM2O HDMI 4K SEAMLESS OUTPUT CARD



Features:

- 2 channels HDMI-A interface seamless output, 3.5mm audio socket
- The longest output distance is up to 7 meters
- Hot swap, support audio and video signal switching together
- Analog audio and HDMI embedded audio can output at the same time
- EDID read function
- Maximum supported resolution: 4Kx2K @ 30

Technical parameter:

Model	VW-SF4I	
Technical parameter		
Protocol	Hdmi1.4 Standard, Hdcp1.3 Protocol, Dvi1.0 Protocol;	
Video		
Gain	0dB	
Pixel bandwidth	297MHz,full digital	
Interface bandwidth	4.5Gbps full digital (13.5Gbps in total, 4.5Gbps for each color)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60, 1280x1024@60,1360x768@60,1366x768@60,1600x900@60,1600x1200@60,1920x1080P@60, 1920X1200P@60,3840X2160P@30;	
Clock Jitter	<0.15 Tbit	
Risetime	<0.3Tbit (20%--80%)	
Bit fall time (Falltime)	<0.3Tbit (20%--80%)	
Maximum transmission delay	5nS(±1nS)	
Interface	2 HDMI ports, 3.5mm audio jack	
Signal strength	T.M.D.S. +/- 0.4Vpp	
Min / Max level	T.M.D.S.2.9V/3.3V	
Impedance	50 Ω	
EDID	N/A	
Maximum DC offset error	15mV	

VW-HD4O HDBaseT SEAMLESS OUTPUT CARD



Features:

- 4 channel high-speed RJ45 interface seamless output, 4 channel 6PIN Phoenix connector ;
- Use CAT5e / 6 cable to output the longest distance up to 100M ;
- Hot swap of card, audio and video signal switching together ;
- Infrared serial port output, optional IO switch card, can realize infrared serial port switch ;
- Compatible with HDBaseT protocol ;
- Maximum supported resolution : HDCP : 1920x1200P@60 ; HDTV : 1920x1080P@60

Technical parameter:

Model	VW-HD4O
Link port input / output	
Interface	4 channel high-speed RJ45 and 4 channel 6PIN Phoenix
Supported protocols	HDBaseT protocol
Pixel bandwidth	165MHz,full digital
Interface bandwidth	2.25Gbps,full digital (total 6.75Gbps, each color is 2.25Gbps)
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1440x900@60,1600x900@60,1600x1200@60,1920x1080P@60,1920x1200P@60,1920x1080i@50,1920X1080i@60;
signal type	High-speed differential signals defined in HDBaseT protocol
Network cable power supply	With POC power supply (+ 48V), for POC For the CAT5 series transmitter of our company, this card input port can provide power to it through the network cable.
Impedance	50 Ω
EDID	Default EDIDN/A (Optional)
Recommended maximum input / output distance	Maximum 100 meters, at 1600x1200 @ 60 (recommended to use NEXANS CAT5e / 6 special wire)
Product weight	0.5KG
Maximum power consumption	22W

VW-SF4O FIBER OUTPUT CARD



Features:

- 4x single core optical fiber seamless output;
- Support hot plugging;;
- Matching with optical fiber transmitter can realize the output signal of 300 meters (multi-mode) or a maximum of 20 kilometers (single-mode) transmission;
- Optional IO switch card can realize infrared serial port switch
- Input maximum supported resolution: HDCP: 1920x1200P @ 60; HDTV: 1920x1080P @ 60.

Technical parameter:

Model	VW-SF4O
Interface	4 high-speed single-core SC fiber interface
Video	
	SC connector
Fiber optic interface	Multimode / Single Mode (optional)
Fiber type	Multimode 850nm / Single Mode: 1310-1620nm (optional)
Wavelength	Forward: 6.25Gbps, Reverse: 3.125Gbps
Interface bandwidth	Up to <0.15 Tbit
Bit Clock Jitter (Clock Jitter)	<0.3Tbit (20%--80%)
Bit rise time	<0.3Tbit (20%--80%)
(Risetime)	OM3 multimode fiber: less than 300 meters, single mode fiber: 2 ~ 20 kilometers, at 1920x1080p @ 60
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1440x900@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60,1920x1080i@50,1920X1080i@60;
Product weight	0.5KG
Maximum power consumption	20W

VP-HM4O SEAMLESS HDMI VIDEO WALL OUTPUT CARD



Features:

- 4 channel high-speed RJ45 interface seamless output, 4 channel 6PIN Phoenix connector ;
- Use CAT5e / 6 cable to output the longest distance up to 100M ;
- Hot swap of card, audio and video signal switching together ;
- Infrared serial port output, optional IO switch card, can realize infrared serial port switch ;
- Compatible with HDBaseT protocol ;
- Maximum supported resolution : HDPC : 1920x1200P@60 ; HDTV : 1920x1080P@60

Technical parameter:

Technical parameter	Model	VP-HM4O
Protocol		
HDMI1.3a standard, HDCP1.3 protocol, DVI1.0 protocol;		
Video		
Gain	0dB	
Pixel bandwidth	165MHz,full digital	
Interface bandwidth	2.25Gbps full digital (total 6.75Gbps, each color is 2.25Gbps)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60 ;	
Control scale	A single unit can control a maximum of 288 screens and multiple sets of screens, which can save and quickly recall 200 plans	
Clock Jitter	<0.15 Tbit	
Risetime	<0.3Tbit (20%--80%)	
Bit fall time (Falltime)	<0.3Tbit (20%--80%)	

VP-HM2O SEAMLESS HDMI VIDEO WALL OUTPUT CARD



Features:

- 2xHDMI splicing output card;
- Maximum resolution 1920 * 1200;
- Each channel supports windows with 4 pictures, overlay, roaming, arbitrary zoom;
- Audio de-embedding output.

Technical parameter:

Technical parameter	Model	VP-HM2O
Protocol		
HDMI1.3a standard, HDCP1.3 protocol, DVI1.0 protocol;		
Video		
Gain	0dB	
Pixel bandwidth	165MHz,full digital	
Interface bandwidth	2.25Gbps full digital (total 6.75Gbps, each color is 2.25Gbps)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60 ;	
Control scale	A single unit can control a maximum of 288 screens and multiple sets of screens, which can save and quickly recall 200 plans	
Clock Jitter	<0.15 Tbit	
Risetime	<0.3Tbit (20%--80%)	
Bit fall time (Falltime)	<0.3Tbit (20%--80%)	

VP-DV4O SEAMLESS DVI VIDEO WALL OUTPUT CARD



Features:

- 4x DVI-D female interface output;
- With splicing function;
- The longest output distance is 7 meters;
- Support hot plugging;
- EDID reading function;
- 4-channel DVI splicing output, the maximum resolution is 1920 * 1200 @ 60HZ;
- Two windows can be opened on a single screen, and signals can be overlap, roaming, and zoomed arbitrarily.

Technical parameter:

Technical parameter	Model	VP-DV4O
Protocol		
DVI1.0 protocol		
Video		
Gain	0dB	
Pixel bandwidth	165MHz, full digital	
Interface bandwidth	2.25Gbps full digital (total 6.75Gbps, each color is 2.25Gbps)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60 ;	
Control scale	A single unit can control a maximum of 288 screens and multiple sets of screens, which can save and quickly recall 200 plans	
Clock Jitter	<0.15 Tbit	
Risetime	<0.3Tbit (20%--80%)	
Bit fall time (Falltime)	<0.3Tbit (20%--80%)	
Maximum transmission delay	5nS(±1nS)	
Interface	4 DVI-D ports	
Signal strength	T.M.D.S. +/- 0.4Vpp	
Min / Max level	T.M.D.S.2.9V/3.3V	
Impedance	50 Ω	
EDID	N/A	
Maximum DC offset error	15mV	
Recommended maximum input / output distance	The output is less than 7 meters, when 1600x1200 @ 60 (recommended to use certified DVI special wire, such as Molex TM wire)	
Product weight	0.5KG	
Maximum power consumption	15W	

VP-DV2O SEAMLESS DVI VIDEO WALL OUTPUT CARD



Features:

- 2 DVI-D female interface output;
- With splicing function;
- The longest output distance is up to 7M;
- Support hot swap;
- EDID reading function;
- 2-channel DVI splicing output, the maximum resolution up to 1920 * 1200 @ 60HZ;
- The single screen can open 4 windows, the signal can be overlap, roaming, and zoomed arbitrarily.

Technical parameter:

Technical parameter	Model	VP-DV4O
Protocol		
DVI1.0 protocol		
Video		
Gain	0dB	
Pixel bandwidth	165MHz, full digital	
Interface bandwidth	2.25Gbps full digital (total 6.75Gbps, each color is 2.25Gbps)	
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60 ;	
Control scale	A single unit can control a maximum of 288 screens and multiple sets of screens, which can save and quickly recall 200 plans	
Clock Jitter	<0.15 Tbit	
Risetime	<0.3Tbit (20%--80%)	
Bit fall time (Falltime)	<0.3Tbit (20%--80%)	
Maximum transmission delay	5nS(±1nS)	
Interface	4 DVI-D ports	
Signal strength	T.M.D.S. +/- 0.4Vpp	
Min / Max level	T.M.D.S.2.9V/3.3V	
Impedance	50 W	
EDID	N/A	
Maximum DC offset error	15mV	
Recommended maximum input / output distance	The output is less than 7 meters, when 1600x1200 @ 60 (recommended to use certified DVI special wire, such as Molex TM wire)	
Product weight	0.5KG	
Maximum power consumption	15W	

VP-HD4O SEAMLESS HDBaseT VIDEO WALL OUTPUT CARD



Features:

- 4 channels high-speed RJ45 interface output, 4 channels 6PIN Phoenix socket interface;
- With splicing function;
- Use CAT5e / 6 cable to output the longest distance up to 100M;
- Support hot swap;
- Infrared serial port output, optional IO switch card, can realize infrared serial port switch;
- Compatible with HDBaseT protocol;
- Has external POC power supply, POC power supply needs to be selected, models above 3636 has this function;
- 4 channel twisted pair splicing output, onboard RS232, IR interface;
- Two windows can be opened on a single screen, and signals can be overlap, roaming, and zoomed arbitrarily.

Technical parameter:

Model	VP-HD4O
Technical parameter	
Link port input / output	
Interface	4 high-speed RJ45 seats and 4 6PIN Phoenix seats
Video	
Supported protocols	HDBaseT protocol.
Pixel bandwidth	165MHz, full digital
Interface bandwidth	2.25Gbps, full digital (total 6.75Gbps, each color is 2.25Gbps)
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60：
Control scale	A single unit can control up to 288 screens and multiple groups of screens, and can save and quickly recall 128 plans
Signal type	High-speed differential signals defined in HDBaseT protocol
Network cable power supply	With POC power supply (+ 48V), POC power supply needs to be used with the company's CAT5 series transmitter. This card output port can provide power to it through the network cable.
Impedance	50 Ω
EDID	N/A
Maximum DC offset error	15mV
Recommended maximum input / output distance	Maximum 100 meters, at 1600x1200 @ 60 (recommended to use NEXANS CAT5e / 6 special wire)
Product weight	0.5KG
Maximum power consumption	22W

VP-HD2O SEAMLESS HDBaseT VIDEO WALL OUTPUT CARD



Features:

- 2 high-speed RJ45 interface output, 2 6PIN Phoenix connector;
- With splicing function;
- Use CAT5e / 6 cable to output the longest distance up to 100M;
- Support hot plugging;
- Infrared serial port output, optional IO switch card, can realize infrared serial port switch;
- Compatible with HDBaseT protocol;
- Available for external POC power supply, POC power supply needs to be selected, models above 3636 has this function
- 2 channel twisted pair splicing output, onboard RS232, IR interface;
- 4 windows can be opened on a single screen, and signals can be overlap, roaming, and zoomed arbitrarily.

Technical parameter:

Model	VP-HD4O
Technical parameter	
Link port input / output	
Interface	2 high-speed RJ45 seats and 2 6PIN Phoenix seats
Video	
Supported protocols	HDBaseT protocol.
Pixel bandwidth	165MHz, full digital
Interface bandwidth	2.25Gbps, full digital (total 6.75Gbps, each color is 2.25Gbps)
Resolution	800x600@60,1024x768@60,1280x720@60,1280x768@60,1280x800@60,1280x960@60,1280x1024@60,1360x768@60,1366x768@60,1600x900@60,1600x1200@60,1920x1080P@60,1920X1200P@60：
Control scale	A single unit can control up to 288 screens and multiple groups of screens, and can save and quickly recall 128 plans
Signal type	High-speed differential signals defined in HDBaseT protocol
Network cable power supply	With POC power supply (+ 48V), POC power supply needs to be used with the company's CAT5 series transmitter. This card output port can provide power to it through the network cable.
Impedance	50 Ω
EDID	N/A
Maximum DC offset error	15mV
Recommended maximum input / output distance	Maximum 100 meters, at 1600x1200 @ 60 (recommended to use NEXANS CAT5e / 6 special wire)
Product weight	0.5KG
Maximum power consumption	22W

VIS-PHD44/PHD88/PHD1616

4K HDMI Matrix



VIS-PHD44



VIS-PHD88



VIS-PHD1616

Product Overview:

PHD series HDMI full digital ultra-clear matrix switch, the highest supporting resolution up to the current highest 4Kx2K resolution, support 3D video / HDCP1.4 specifications. 16 bit color depth, can provide customers with non-destructive, non-delay ultra-clear digital experience. Provide a variety of control interfaces RS232 RJ45) to meet the control needs of customers.

Applications: digital video multi-screen display system, visual command and scheduling, Pingan city, medical teaching system, satellite mapping, video conferencing and video surveillance and other areas of high-quality digital video display.

Features:

- Digital handoff without delay and ultra clear
- Support resolution up to 4K x 2K .
- Support 3D video
- Support for HDMI 1.4 protocol
- The control mode is flexible, with key panel operation, RS-232 command operation, and Ethernet interface control mode (TCP/IP). LCD display is used to display real-time operation state.
- The firmware can be upgraded by external ports, and can be customized easily.
- The length of the input line is up to 30 meters.
- The powerful storage function can store and call multiple pre stored switching modes; it has power down memory function, with the power failure field protection function.
- Standard industrial chassis, easy to install and operate quickly.

Technical Parameters:

Model	VIS-PHD44	VIS-PHD88	VIS-PHD1616
Specifications	Input, output both 4	Input, output both 8	Input, output both 16
Input signal	Full digital HDMI signal		
Output signal	Full digital HDMI signal		
Resolution ratio	up to 4k~2k(4096*2160)		
Control method	Rs232,Ethernet		
HDMI edition	HDMI1.4,support 3DTV		
Digital content protection	Compatibility HDCP 1.4		
Hot-Plug	Plug and play, easy to install		
Input line length	up to 30m		
Output line length	less than 15m		
HDMI port	Type A, 19 needle female		
Power	15W	16W	20W
External power	AC110~220V		
Work environment	temperature: -20℃~+70℃, humidity: 10%~90%		
Product accessories	Serial cable, power cable, manual		
Chassis specification	1U	1U	1U
Chassis size (mm)	445*295*44	445*295*44	440*333*88
Net weight	2 kg	2 kg	4 kg
Warranty	One year free warranty, lifetime maintenance		

VIS-UHD0808-VW

8x8 Seamless 4K UHD Matrix and Video Wall Processor



VIS-UHD0808-VW

Overview:

VIS-UHD0808-VW is a high-performance seamless UHD matrix switcher with 8x HDMI inputs and 8x HDMI outputs. Audio extract or insert can also be enabled on this device. IR matrix routing on this video matrix is followed with video routing. VIS-UHD0808-VW support one or more video wall with RS232 command

Features:

- Support HDMI 2.0/HDCP 2.2
- HDMI video output resolution up to 3840x2160@60
- Support seamless switching
- Support video wall
- Support IR matrix
- Support HDMI audio extract
- Support external LR audio insert on HDMI stream
- Support EDID management
- Front panel,RS232,TCP/IP (LAN 10M/100M), software & Web GUI control

Specification:

Electrical parameter	
Interface	HDMI-A
HDMI /DP /VGA Version	HDMI2.0,HDCP2.2
Bandwidth	18Gbps
Input	800x600@60Hz,1024x768@60Hz, 1280x768@60Hz,1280x800@60Hz, 1280x1024@60Hz,1360x768@60Hz, 1366x768@60Hz,1400x1050@60Hz, 1440x900@60Hz,1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p,576p,720p,1920x1080i, 1920x1080p,3840x2160@ 24Hz/25Hz/30Hz/50Hz/60Hz, 4096x2160@24Hz/25Hz/30Hz /50Hz/60Hz.
Output	3840x2160@60Hz, 3840x2160@50Hz, 3840x2160@30Hz, 3840x2160@25Hz, 1920x1200@60Hz,1920x1080@60Hz, 1920x1080@50Hz,1600x1200@60Hz, 1400x1050@60Hz,1366x768@60Hz, 1360x768@60Hz, 1280x1024@60Hz, 1280x768@60Hz, 1280x720@60Hz, 1280x720@50Hz, 1024x768@60Hz
HDMI Amplitude	T.M.D.S +/- 0.4Vpp
Differential impedance	100±15ohm
RS232/Ethernet control	
Baud rate and protocol	Baud rate 9600, data bit 8
	stop bit 1,no parity checking
Ethernet	IE10.0+, HTML5
Power	
Max Consumption	100W, 110-240VAC
Matrix Mechanical dimensions	
Size(mm)	430(L)X300(W)X44 (H)
Weight	5Kg
Operating temperature	0 to 40℃
Storage temperature	-20 to 70℃
Permissible humidity	10%-50%

VIS-PSC802 Professional Scaler Switcher



VIS-PSC802 Professional Scaler Switcher

Overview:

VIS-PSC802 is a high-performance seamless UHD presentation switcher with multi-format signal handling. This device scales the video, extract or embed the audio, and outputs the signal through one HDMI port and one HDBaseT port , and 2x8W speaker and balanced stereo audio output simultaneously.

Features:

- Seamless switching
- Perfect 4K scaling technology
- Support HDMI 2.0,HDCP 2.2,DP 2.0
- 8 video inputs – 6 HDMI ports, 1 DP port, 1 VGA port
- 10 Audio source options for each HDMI/DP video source
- LR1,LR2,LR3,LR4,LR5,LR6,LR7,LR8,Microphone,embedded (the audio stream of HDMI source inner)
- 9 Audio source options for VGA video source
- LR1,LR2,LR3,LR4,LR5,LR6,LR7,LR8,Microphone
- 3 Microphone options by dial switch, 48V (Phantom supply), Mic,Line
- 1 HDMI and 1 HDBaseT outputs, same content on HDMI and HDBaseT out
- Up to 3840x2160@60 resolutions with input and output.
- 2x8W speaker output and balanced audio output
- Control the unit with front button,RS232 port and TCP/IP
- IR IN/OUT for HDBaseT transmission
- EDID selection, out resolution selection
- Front panel,RS232,TCP/IP (LAN 10M/100M) control
- Note, When VGA or DVI input, there is no seamless switching for this source

Specification:

Electrical parameters	
Interface	HDMI-A, DB-15, Screw Connectors, RJ45, Display Port
HDMI /DP /VGA Version	HDMI2.0,HDCP2.2,DP1.2,VESA
Bandwidth	18Gbps
Video Resolution	
Input	800x600@60Hz,1024x768@60Hz, 1280x768@60Hz,1280x800@60Hz, 1280x1024@60Hz,1360x768@60Hz, 1366x768@60Hz,1400x1050@60Hz, 1440x900@60Hz,1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz. 480p,576p,720p,1920x1080i,1920x1080p, 3840x2160@24Hz/25Hz/30Hz/50Hz/60Hz, 4096x2160@24Hz/25Hz/30Hz/50Hz/60Hz. Note: This Device does not support 4:2:0 Color space
Output	1920x1080@60Hz, 3840x2160@30Hz, 3840x2160@60Hz, 1280x720@60Hz, 1024x768@60Hz, 1360x768@60Hz, 1600x1200@60Hz, 1920x1200@60Hz,
EDID option	Auto, Manual,3840x2160@60, 3840x2160@30, 1920x1080@60,1280x720@60,1920x1200@60
HDMI Amplitude	T.M.D.S +/- 0.4Vpp
Differential impedance	100±15ohm
RS232/Ethernet control	
Baud rate and protocol	Baud rate 57600, data bit 8 stop bit 1,no parity checking
Ethernet	IE10.0+,HTML5
Power	
Max Consumption	60W, 110-240VAC
Matrix Mechanical dimensions	
Size(mm)	430(L)X220(W)X44 (H)
Weight	4Kg
Other	
Operating temperature	0 to 40°C
Storage temperature	-20 to 70°C
Permissible humidity	10%-50%

VIS-PSC1202 Professional Scaler Switcher



VIS-PSC1202 Professional Scaler Switcher

Overview:

VIS-PSC1202 is a high-performance presentation scaler/switcher for HDMI and computer graphic signals. The unit scales the video, embeds the audio, and outputs the signal to two HDMI outputs with analog L/R stereo and balanced stereo audio out simultaneously.

Features:

- Perfect scaling and deinterlacing technology.
- HDCP compliance – The HDCP license agreement allows copy-protected data on the HDMI input to pass only to the HDMI outputs.
- 12 video inputs – 10 HDMI on HDMI connectors, 2 computer graphics video on 15-pin VGA connectors
- Two HDMI scaled outputs (the main output and loop output with the same contents). When 4K signal input, the unit will pass the input directly to two outputs.
- Up to 1080p/3840x2160@30 resolutions with input and output.
- Analog audio output with 3.5mm jacket and 5 pin phoenix female connector which used for balanced audio output
- Built in performance management – color, brightness, contrast and sharpness adjust
- On-Screen-Display (OSD) Menu for easy configuration
- Control the unit with front button,RS232 port and TCP/IP

Specification:

Electrical parameters	
Interface	HDMI-A, DB-5, Phoenix female connector
HDMI version	HDMI1.4
Bandwidth	300MHz
Resolution	Up to 4Kx2K@30Hz,4Kx2K@60Hz-4:2:0
Clock Jitter	<0.15 Tbit (1080p@60)
RiseTime	<0.3Tbit (20%--80%)
Transmission Delay	5ns
Amplitude	T.M.D.S +/- 0.4Vpp
Differential impedance	100±15ohm
RS232 control	
Baud rate and protocol	Baud rate: 115200,data bit: 8, stop bit: 1,No parity checking
Power	25W, 110-240VAC
Max Consumption	
Matrix Mechanical dimensions Size(mm)	430(L)X220(W)X44 (H)
Weight	3kg
Other	
Operating temperature	0 to 40°C
Storage temperature	-20 to 70°C
Permissible humidity	10%-50%
Weight	3Kg

VIS-HE20

HDMI/VGA to HDBaseT Wallplate



VIS-HE20

Summary :

VIS-HE20 wall panel transmitter with HDBaseT video transmission technology, audio and control signals (with the matrix), fully compatible with the HDBaseT series interface products. Support CVBS, YPbPr, VGA, DVI, HDMI and IR signal transmission, RS232 pass through, the DC 12V/2A power supply and POC power supply support.

Features:

- Digital handoff without delay and ultra clear
- Support resolution up to 4K x 2K
- Support 3D video
- Support for HDMI 1.4 protocol
- The control mode is flexible, with key panel operation, RS-232 command operation, and Ethernet interface control mode (TCP/IP). LCD display is used to display real-time operation state.
- Product firmware can be upgraded through external ports to facilitate user special functionality customization
- The length of the input line can be up to 30m
- Using CAT5 UTP Cable Transfer (up to 150M)
- Powerful storage function, can store and call multiple pre-storage switching mode; has power loss memory function, with power off site protection function
- Standard industrial chassis , easy to install and quick to operate .

VIS-HE10

HDBaseT extender for 100m with Ethernet&POE



VIS-HE10T/R

Summary :

The VIS-HE10T/R transmitter uses HDBaseT technology to transmit video, audio and its control signals (which can be used in conjunction with the matrix). Fully compatible with HDBaseT series interfaces. Supports DVI HDMI signal transmission and IRI RS232 pass through functionality. DC 12 V / 2A power supply and POC power supply. The product is mainly used in radio and television engineering, multimedia conference hall, television teaching, command and control center and other occasions.

Features:

- Support for DVI HDMI video and audio signal transmission
- Support input source signal automatic switching, adaptive function
- Support the highest resolution 4Kx2K
- Support IR, RS-232 pass through function
- Using CAT5 UTP Cable Transfer (up to 150M)
- Support POC power supply function

VIS-CTRLIII

Network central control system



VIS-CTRLIII

Summary :

VISSONIC independent research and development of the network communication type control host, using a main frequency of up to 667MHz 32 bit embedded processor, ARM11 CPU, 256M memory, 1G Flash flash.

Functions:

- ARM11 CPU 256M memory 1G Flash flash memory
- 32 bit embedded processor with 667MHz main frequency
- 8 independent programmable infrared emission interface to support the control of multiple same or different infrared equipment
- 8 independent programmable RS-232/422/485 control interface, user programmable to set a variety of control protocols and code
- 8 way weak electric relay interface
- 8-channel digital input / output IO interface
- Three kinds of network communication: T-BUS、CH-Link、 Ethernet
- USB2.0 programming communication interface
- Embedded infrared learning device , convenient adjustment and maintenance
- Support a variety of local and remote control methods
- International wide adaptor power supply design AC100/240V/L, applicable to any country or region

Technical Parameters:

Performance parameters	
Memory	256M DDR-RAM, 1G FLASH
T-BUS、CH-LINK and Ethernet TCM	DDR-RAM.1GP/IP
Infrared independent launch port	8 Road
Digital I / O	8 Road
Weak relay interface	8 Road
Serial port of RS-232/422/485 communication	8 Road
USB interface	1
Extended socket	3
Ground connection Hole	Yes
Static power consumption	5W
Power	AC100-240V. Responsive power supply

Technical Parameters	
Weight	4.5kg
Size(mm)	483.0L x 280W x 88.1H

System diagram

