



POLAR

DIGITAL DISCUSSION SYSTEMS
2024 CATALOGUE

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Introduction

Audio conference and discussion systems play a pivotal role in facilitating seamless communication and collaboration among individuals or teams. POLAR stands out as a reliable provider of such systems, offering cutting-edge products from renowned brands like Vissonic and Avonic. These brands are synonymous with innovation and quality, ensuring that users experience crystal-clear audio and seamless connectivity during conferences.

Whether it's small-scale meetings or large-scale corporate and governmental gatherings, POLAR's range of products caters to diverse needs, ensuring that every interaction is characterised by clarity, reliability, and professionalism. With Vissonic and Avonic products in their portfolio, POLAR exemplifies its commitment to delivering state-of-the-art solutions that enhance communication and collaboration in the modern workplace.

VISSONIC AVONIC

Classic System

FAST AND SIMPLE START UP

Traditional conferencing systems prioritise simplicity, reliability, and affordability, offering basic functionality to ensure delegates' voices are effectively heard during conferences. This straightforward system requires minimal training for end users and accommodates individuals with varying technical proficiency.

The Vissonic Classic System is scalable, starting from a single unit and expandable up to 5200 delegate units, making it suitable for conferences of any size. It features USB recording capabilities and advanced noise cancellation technology for clear audio recordings. The central controller allows for the limitation of the number of active speakers simultaneously, with options ranging from 1 to 6 units. Additionally, it offers customizable button functions, including open speaking access for all, application-based speaking, or voice-activated microphone activation.



VIS-DCP1000-D

FULL DIGITAL NETWORKED CONFERENCE PROCESSOR



Compact and Versatile Design

The VIS-DCP1000 Conference Processor serves as the system hub, supplying power to all discussion units, managing cameras, and interfacing with third-party devices. With its sleek 1U compact design, it seamlessly blends into any meeting environment while maintaining a discreet presence. Utilising a standard CAT5e connection, setting up meetings of any scale is swift and effortless.

The conference unit features an intuitive graphical interface with convenient lighting reminders, facilitating quick startup for all users. Installation is hassle-free, operation is user-friendly, and the overall design promotes more productive meetings.

Furthermore, the VIS-DCP1000 is a smart conferencing platform with timing function, overtime reminder, voting results, multi-platform synchronisation, network control, meeting management, conference smart reservation and worldwide firmware real-time updates.

KEY FEATURES

- Intuitive function button design with no training required, easy to use
- AUDIO-LINK 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 ensures the system always works perfectly even if a unit is damaged or replaced
- USB recording and advanced noise cancellation technology to realise a clearer recording
- With VIS-EXM digital power box, it can expand to 5200 discussion units

VIS-DOC-T / VIS-DOD-T

CAT5 DIGITAL WIRED DISCUSSION UNIT WITH PHYSICAL BUTTON

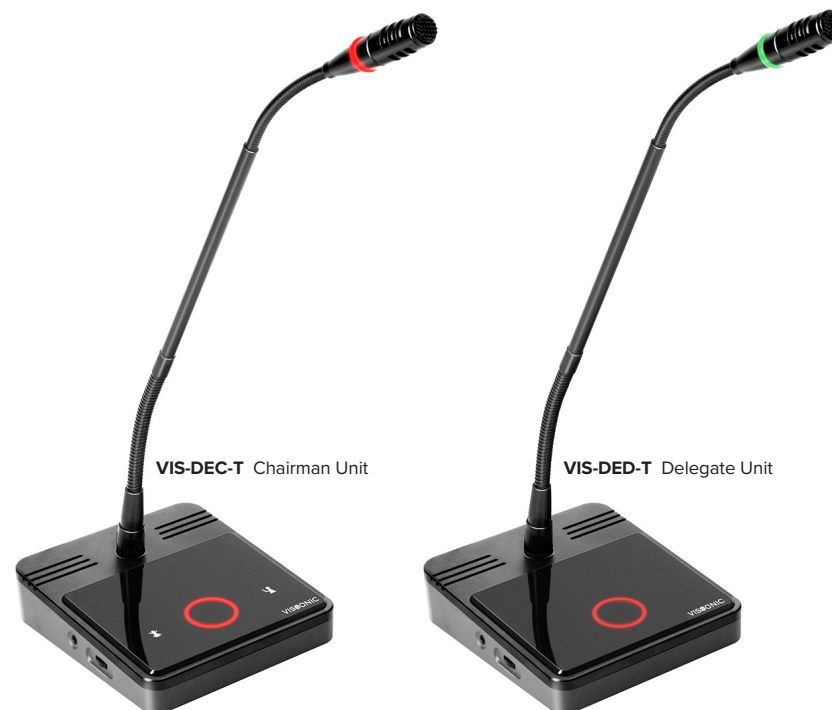


KEY FEATURES

- Physical speech button, no noise when the microphone is switched on/off
- Hand-in-hand loop structure, unit failure does not affect other units
- Pluggable microphone, built-in high-fidelity speaker
- Hidden wiring at the bottom
- Lossless technology 48K audio sampling, 20Hz~0KHz response frequency
- Chairman unit can approve or reject speech request even if a unit is damaged

VIS-DEC-T / VIS-DED-T

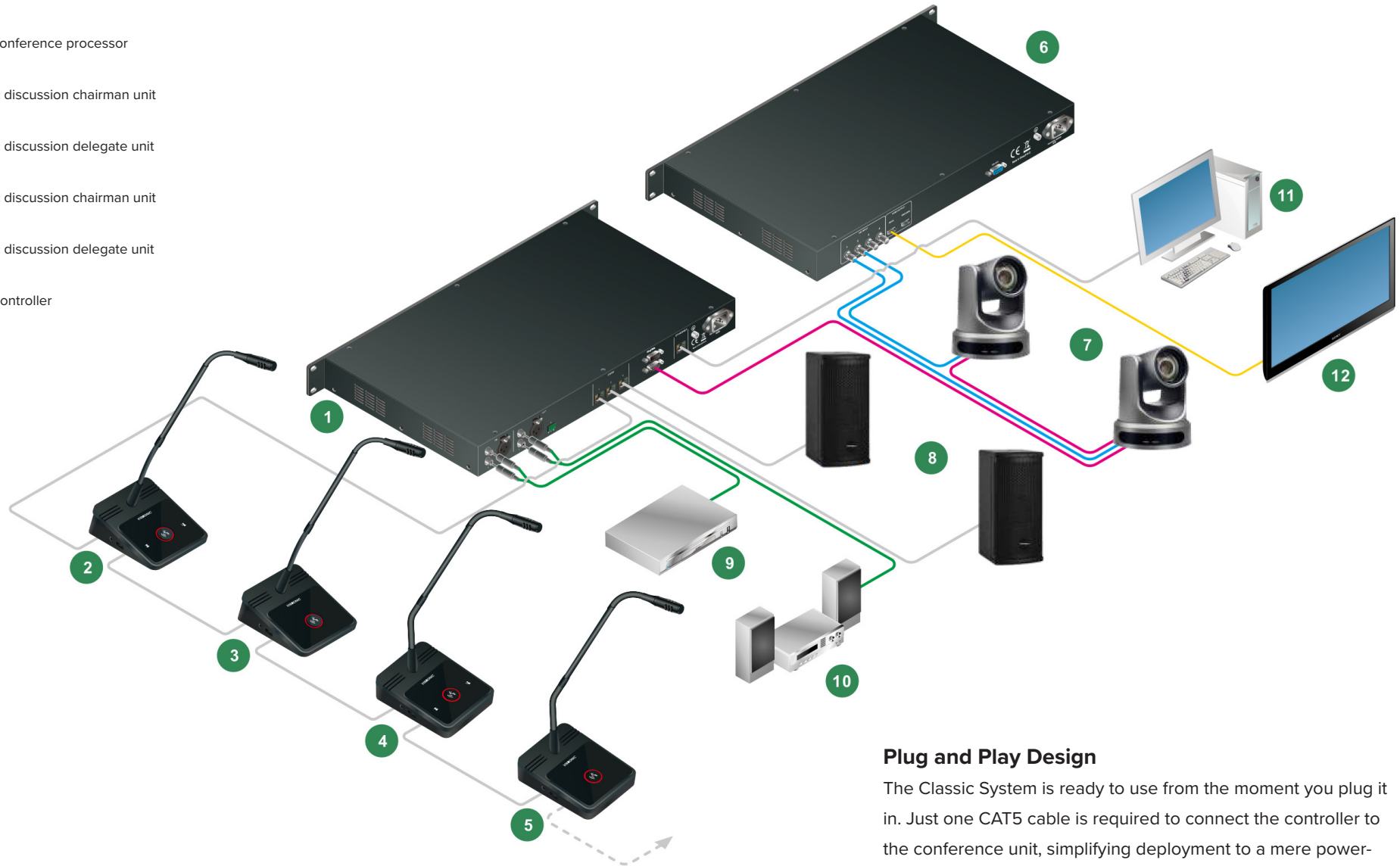
CAT5 DIGITAL WIRED DISCUSSION UNIT



KEY FEATURES

- Independent microphone EQ balance adjustment
- Touch-type speech button, no noise when the microphone is switched on/off
- Hand-in-hand loop structure, unit failure does not affect other units
- Pluggable microphone, built-in high-fidelity speakers
- Hidden wiring at the bottom
- Head-set interface in both sides with volume adjust

- 1 **VIS-DCP1000**
Full digital networked conference processor
- 2 **VIS-DOC-T**
Cat5 wired digital basic discussion chairman unit
- 3 **VIS-DOD-T**
Cat5 wired digital basic discussion delegate unit
- 4 **VIS-DEC-T**
Cat5 wired digital basic discussion chairman unit
- 5 **VIS-DED-T**
Cat5 wired digital basic discussion delegate unit
- 6 **VIS-CATC-A**
Camera auto-tracking controller
- 7 **AVONIC CM40**
Full HD camera
- 8 **VIS-SPK SERIES**
PoE comumn speaker
- 9 DVD Player
- 10 Power Amplifier
- 11 PC
- 12 HD Display



- CAT5e
- HDMI
- SDI
- RS-232
- Audio

Plug and Play Design

The Classic System is ready to use from the moment you plug it in. Just one CAT5 cable is required to connect the controller to the conference unit, simplifying deployment to a mere power-on process. Even without software, it's capable of handling a multitude of functions including volume adjustment, speech mode selection, EQ equalization, DSP configuration, audio partitioning, and noise control.

Wired System

FULL DIGITAL NETWORK WITH DSP

Wired conferencing systems, such as those offered by Vissonic, provide a reliable means of communication for large gatherings. These systems are particularly suitable for environments where the room layout and setup remain static. Additionally, they offer flexibility for expansion by seamlessly combining multiple wired units through a simple preset, and can be easily integrated with third-party control systems if necessary.

The CAT5 wired setup simplifies installation by allowing base units to be daisy-chained together, eliminating the need for multiple cables to each unit. Expansion of the system is straightforward as each unit plugs into the next. This system can manage multiple microphones being active simultaneously and can support up to 32 wired microphones in full operation mode.

Moreover, the wired option provides various microphone options for both chairpersons and delegates. Depending on the requirements of the conferencing setup, additional features such as voting capabilities with or without NFC card identification, simultaneous interpretation channels, dual-user functionality, and Bluetooth connectivity can be incorporated.



VIS-DCP2000-D

FULL DIGITAL NETWORKED DSP CONFERENCE PROCESSOR



High Tech Intelligence Platform

With a standard CAT5e connection, the VIS-DCP2000-D facilitates swift setup for meetings of any size. The conference unit boasts a user-friendly graphical interface, complete with lighting reminders, enabling quick initiation by anyone.

Installation is hassle-free, and the interface is intuitively designed to enhance meeting productivity. Incorporating advanced voice processing technology and a uniquely designed microphone head, this unit accurately captures and reproduces human speech through high-quality built-in speakers or an external PA system. Featuring original AUDIO-LINK digital ring network technology, as well as Automatic Gain Control Volume (AGC) and automatic frequency control (AFC) technology, it allows for higher volume levels without the risk of feedback, ensuring clear communication of every spoken word.

KEY FEATURES

- A CAT5e network cable transmits 64 channels of audio and various information
- With an extension unit the conference units can be expanded to 5200
- Full digital signal transmission and processing is compatible with a Dante module
- Audio partition realises separate output
- Record and monitor by USB and has camera autotracking function
- 16-segment balanced EQ, hand-in-hand loop network connection
- Built-in multi-way internal communication function
- Hot plug-and-play, and auto-recovery function

VIS-DMD-T

DIGITAL TOUCH SCREEN UNIT



KEY FEATURES

- 5 inch color touch screen
- Software sets as chairman, delegate, VIP or dual delegates
- Internal loudspeaker
- Display the list of speaker, request speaking list, countdown or fixed time speaking list
- Dual-user mode divides two users to use one unit
- NFC, simultaneous interpretation, dual user and Bluetooth modules are available
- Built-in dual headphone ports and switch between digital and analogue output via pluggable microphone
- Built-in RFID card authentication, sign-in by IC card, discussion and voting (optional)

VIS-MAU-T

DIGITAL TOUCH SCREEN UNIT



KEY FEATURES

- 4.3 inch color touch screen
- Software sets as chairman, delegate, VIP or dual delegates
- Internal loudspeaker
- Wired network for communication
- Can be powered by cable, rechargeable battery or dock directly
- Built-in dual headphone ports and switch between digital and analogue output via pluggable microphone
- Optional wireless or wired output, switch output without interrupting the speech
- Built-in RFID card authentication, sign-in by IC card, discussion and voting

VIS-DCC-T / VIS-DCD-T

CAT5 WIRED DIGITAL DISCUSSION UNIT

VIS-DCC-T Chairman Unit

VIS-DCD-T Delegate Unit



KEY FEATURES

- OLED display, showing the status and speech time
- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- Unit with Line in port, EQ and volume adjustment
- AGC technology can automatically adjusts the appropriate output when users is not directly facing the microphone to speak
- AFC technology enables local sound reinforcement although the pickup distance is long
- Ability to sign-in by software
- Chairman unit can approve or reject speaking request

VIS-DVC-T / VIS-DVD-T

WIRED VOTE UNIT WITH CHANNEL SELECTOR

VIS-DVC-T Chairman Unit

VIS-DCD-T Delegate Unit



KEY FEATURES

- OLED display, showing the status and speech time
- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- AGC technology can automatically adjusts the appropriate output when users is not directly facing the microphone to speak
- AFC technology enables local sound reinforcement
- 64 channels of simultaneous interpretation with display of languages and channels
- Ability to sign-in by software for voting/discussion
- Chairman unit can approve or reject requests

VIS-DVCIC-T / VIS-DVDIC-T

WIRED DISCUSSION IC CARD VOTE UNIT

VIS-DVCIC-T Chairman Unit

VIS-DVDIC-T Delegate Unit



KEY FEATURES

- OLED display, showing the status and speech time
- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- Built-in RFID card authentication, sign-in by IC card or software, discussion and voting
- AGC technology can automatically adjusts the appropriate output when users is not directly facing the microphone to speak
- AFC technology enables local sound reinforcement
- Ability to sign-in by software
- Chairman unit can approve or reject speaking request

VIS-DIC-T / VIS-DID-T

WIRED DIGITAL INTERPRETATION UNIT



KEY FEATURES

- OLED display, showing the status and speech time
- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- AGC technology can automatically adjust the appropriate output when users are not directly facing the microphone to speak
- AFC technology enables local sound reinforcement
- 64 channels of simultaneous interpretation with display of languages and channels

VIS-DSC-T / VIS-DSD-T

WIRED DIGITAL DISCUSSION UNIT WITH DUAL CHANNEL



KEY FEATURES

- OLED display, showing the status and speech time
- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- AGC technology can automatically adjust the appropriate output when users are not directly facing the microphone to speak
- AFC technology enables local sound reinforcement
- 1+31 channels of simultaneous interpretation with display of languages and channels

Flush-Mount Options

VIS-DCC-F / VIS-DCD-F

DIGITAL FLUSH-MOUNT DISCUSSION UNIT

VIS-DCC-F Chairman Unit

VIS-DCD-F Delegate Unit



KEY FEATURES

- Pluggable microphone and 3.5mm earphone jack
- The touch button makes no noise when the participant speaks
- Can be used independently as a simple discussion unit
- Unit has swap function and automatic recovery function
- The chairman unit has three buttons: priority, apply and speak
- When used together with other flush mount modules, it can have voting or simultaneous interpretation functions

VIS-CSU-F

DIGITAL FLUSH-MOUNT 64 CHANNEL SELECTOR



KEY FEATURES

- Displays the currently applied channel
- Can be used independently as a simultaneous interpretation channel selector
- Unit has swap function and automatic recovery function
- Up to 64 language channels including the original sound channel
- When used together with other flush mount modules, it can have voting or discussion functions

VIS-DVU-FS1

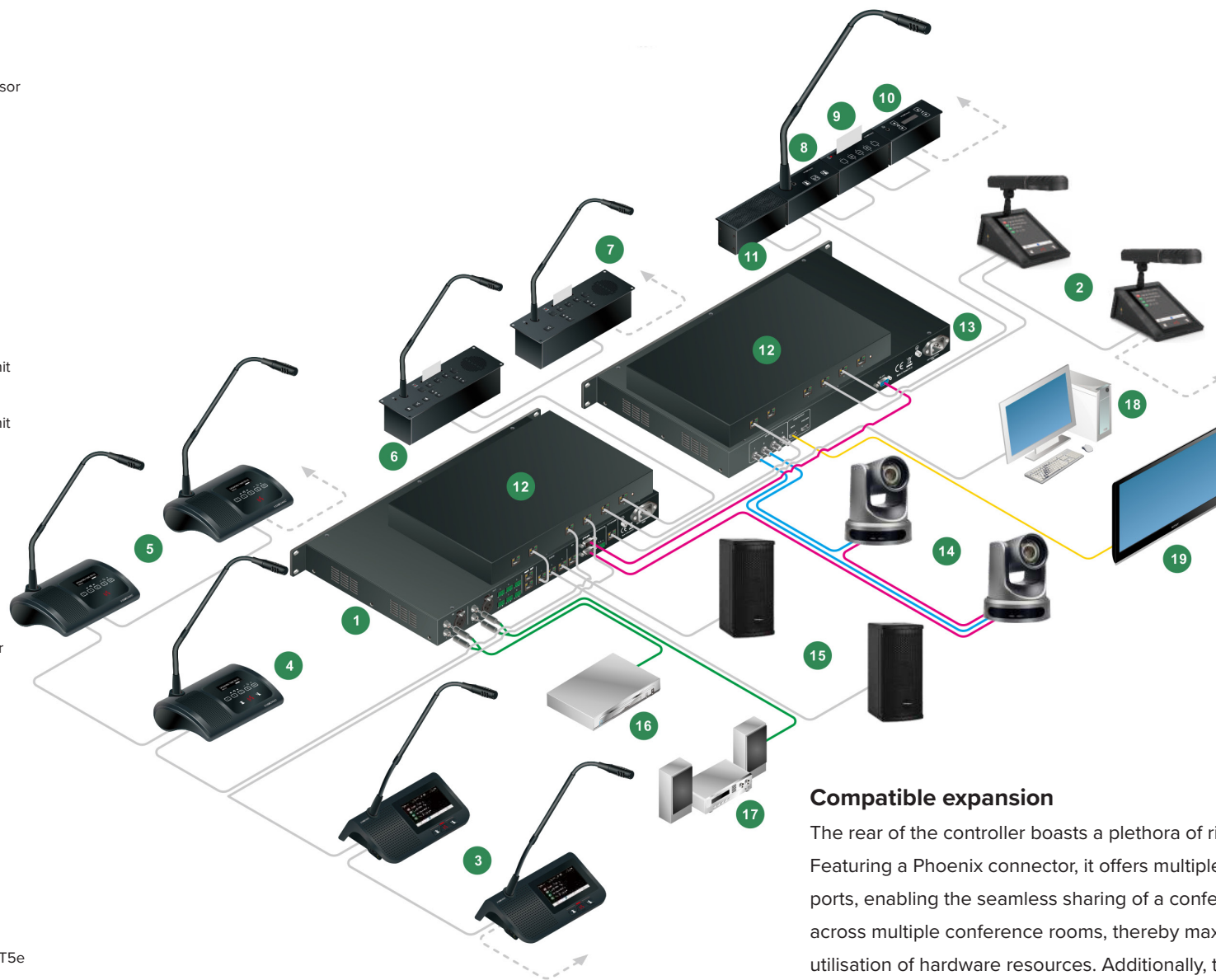
DIGITAL VOTING WITH IC-CARD UNIT



KEY FEATURES

- Automatic detection
- Plug and play unit
- Five buttons to vote or rate
- Touch button with indicator light
- Built-in IC card sign-in or button sign-in
- Up to 3000 voting units can be connected
- When used together with other flush mount modules, it can have voting or discussion functions

- 1 **VIS-DCP2000-D**
Full digital networked DSP conference processor
 - 2 **VIS-DMD-T**
Digital conference touch screen unit
 - 3 **VIS-MAU-T**
5G touch screen unit
 - 4 **VIS-DVC-T**
Cat5 wired digital voting chairman unit
 - 5 **VIS-DVD-T**
Cat5 wired digital voting delegate unit
 - 6 **VIS-FFD-F1**
Flush-mount all-in-one discussion chairman unit
 - 7 **VIS-FFD-F1**
Flush-mount all-in-one discussion chairman unit
 - 8 **VIS-DCC-F**
Digital flush-mount discussion chairman unit
 - 9 **VIS-DVU-FS1**
Digital voting with IC-card unit
 - 10 **VIS-CSU-F**
Digital flush-mount 64 channel selector
 - 11 **VIS-SPK-F**
Full digital wireless DSP conference processor
 - 12 **VIS-EXM**
Extension main unit
 - 13 **VIS-CATC-A**
Camera auto tracking controller
 - 14 **AVONIC CM40**
Full HD camera
 - 15 **VIS-SPK SERIES**
PoE column speaker
 - 16 DVD Player
 - 17 Power amplifier
 - 18 PC
 - 19 HD display
- | | |
|--|--------|
| | CAT5e |
| | HDMI |
| | SDI |
| | RS-232 |
| | Audio |



Compatible expansion

The rear of the controller boasts a plethora of rich interfaces. Featuring a Phoenix connector, it offers multiple audio partition ports, enabling the seamless sharing of a conference controller across multiple conference rooms, thereby maximising the utilisation of hardware resources. Additionally, the Audio Link port facilitates connection to active speakers or sound columns, eliminating the need for extra audio cables and power supply. This port enables audio reinforcement and supports various equipment connections with ease.

Wireless System

ENJOY A CLUTTER-FREE DESKTOP

One of the most significant challenges with traditional meeting rooms lies in the cumbersome process of connecting various devices via cables. This not only adds complexity to the setup but also consumes valuable time, detracting from the efficiency of meetings.

Enter the Visonnic Wireless conference system, designed to revolutionise the way meetings are conducted. With its seamless wireless connectivity, meetings can be initiated at any time and from any location, eliminating the need for tangled cables and streamlining the planning process. By embracing this innovative technology, organisations can significantly enhance their meeting efficiency, allowing for more productive collaborations and smoother workflows. Say goodbye to cable chaos and hello to a new era of effortless connectivity with a Visonnic Wireless conference system.



VIS-DCP2000-W

FULL DIGITAL WIRELESS DSP CONFERENCE PROCESSOR



Standard Wi-Fi Technology That Works Perfectly With Existing Networks

The VIS-DCP2000-W is a new generation full digital Wi-Fi wireless conference processor with easy and quick setup. The wireless conference system offers flexible deployment options ranging from 2 to 4096 seats. Utilising the VIS-AP4C access point, it seamlessly covers small to medium-sized meeting rooms spanning from 10m2 to 200m2. With the ability to roam across multiple access points, the system ensures a stable connection at all times.

To accommodate various conference formats, the system incorporates 6-7 speech modes, 4 voting methods, USB recording, and a compact wireless simultaneous interpretation feature, catering to diverse needs. It guarantees clear communication for all participants and boasts a user-friendly interface that enables effortless operation for first-time users, eliminating the need for extensive training.

KEY FEATURES

- Work with both wired and wireless conference units
- A CAT5e network cable transmits 64 channels of audio and various information
- With an extension main unit, the conference units can be expanded to 5200
- Full digital signal transmission and processing is compatible with Dante module
- Audio partition realises separate output
- Record and monitor by USB and has camera auto-tracking function
- 16-segment balanced EQ, hand-in-hand loop network connection
- Hot plug-and-play, and auto-recovery function

VIS-MAW-T

WIFI WIRELESS TOUCH SCREEN UNIT



KEY FEATURES

- 4.3 inch color touch screen
- The software sets the units as chairman, delegate, VIP or dual users
- Dual-channel, 5G WiFi and wired network, for communication
- Can be powered by cable, rechargeable battery or dock directly
- Built-in dual headphone ports
- Can choose wireless or wired transmission easily
- Built-in RFID card authentication, sign-in by IC card, discussion and voting (optional)

VIS-WDC-T / VIS-WDD-T

WIRELESS DIGITAL DISCUSSION UNIT



KEY FEATURES

- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- Removable battery pack can work continuously for 24 hours when fully charged
- Unit with Line in port, EQ and volume adjustment
- AGC technology can automatically adjusts the appropriate output when users is not directly facing the microphone to speak
- OLED display, showing the status and speech time
- Chairman unit can approve or reject speaking request

VIS-WVC-T / VIS-WVD-T

WIRELESS DIGITAL DISCUSSION WITH VOTING UNIT



KEY FEATURES

- Multiple forms of voting, also displaying vote results
- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- Removable battery pack can work continuously for 24 hours when fully charged
- With Line in port, independent EQ and volume adjustment
- AGC can automatically adjust the appropriate output when users are not directly facing the microphone to speak
- OLED display, showing the status and time of the speech

VIS-WVCIC-T / VIS-WVDIC-T

WIRELESS DIGITAL DISCUSSION WITH VOTING AND IC UNIT



KEY FEATURES

- Multiple forms of voting, also displaying vote results
- Pluggable microphone, built-in high-fidelity speakers and dual headphone ports
- Removable battery pack can work continuously for 24 hours when fully charged
- With Line in port, independent EQ and volume adjustment
- AGC can automatically adjust the appropriate output when users are not directly facing the microphone to speak
- Built-in RFID card authentication, sign-in by IC card, discussion and voting (optional)

VIS-AP4C

5GHZ CONFERENCE ACCESS POINT



KEY FEATURES

- Utilise either mesh wired or wireless backhaul to enable seamless roaming across multiple conference apps
- Single device coverage radius of 25m (10m²~200m²)
- Two installation methods (wall-mount, ceiling-mount) to get the best receiving effect
- Unique authentication technology to prevent eavesdropping and unauthorized access

VIS-WCH1

CHARGER FOR BATTERY



KEY FEATURES

- Fully charged within 3 hours
- 8 batteries are charged simultaneously
- The charging box is cascaded
- The dual-color LED indicator shows the charging status
- Buckle housing to prevent poor contact or dropping, and lightweight for easy moving

VIS-WBTY1

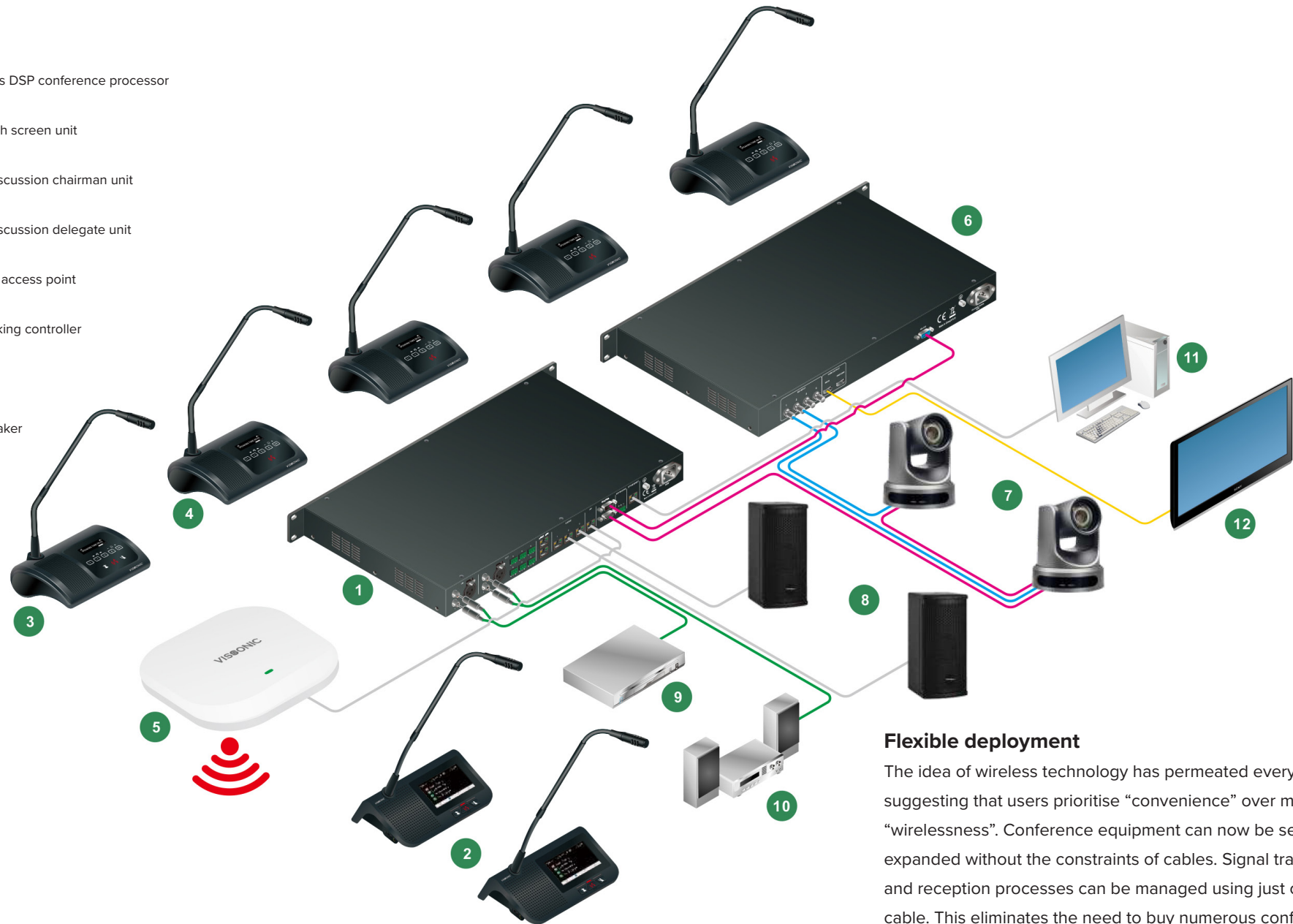
RECHARGEABLE BATTERY PACK



KEY FEATURES

- High-efficiency lithium battery with 4900mAh capacity meets air transportation standard
- Built-in microprocessor controls enables fast charging and trickle charging to achieve safety and stability
- After fully charged it can last 24 hours
- Long life and lasting stability of charging performance

- 1 **VIS-DCP2000-W**
Full digital wireless DSP conference processor
- 2 **VIS-MAW-T**
WiFi wireless touch screen unit
- 3 **VIS-WVC-T**
Wireless digital discussion chairman unit
- 4 **VIS-WVD-T**
Wireless digital discussion delegate unit
- 5 **VIS-AP4C**
5GHz conference access point
- 6 **VIS-CATC-A**
Camera auto-tracking controller
- 7 **AVONIC CM40**
Full HD camera
- 8 **VIS-SPK SERIES**
PoE comumn speaker
- 9 DVD Player
- 10 Power Amplifier
- 11 PC
- 12 HD Display



- CAT5e
- HDMI
- SDI
- RS-232
- Audio

Flexible deployment

The idea of wireless technology has permeated every industry, suggesting that users prioritise “convenience” over mere “wirelessness”. Conference equipment can now be seamlessly expanded without the constraints of cables. Signal transmission and reception processes can be managed using just one cable. This eliminates the need to buy numerous conference controllers for expansion or to laboriously set up and debug each room individually.

Array System

EXCELLENT SOUND PERFORMANCE

In the realm of microphone systems, achieving pristine audio quality is paramount. However, in spaces where conferencing occurs, this goal becomes challenging due to the acoustically demanding environments. While solutions like Primacoustic acoustic panelling can address this issue, Vissonic's microphone array systems offer an innovative approach. These systems boast a broader pick-up pattern and range, effectively tackling the challenge of maintaining clear audio in versatile settings.

The advantages of array systems extend beyond superior audio quality. They minimise clutter on desks or tables and eliminate the need for adjusting gooseneck microphones. Advanced AEC technology further enhances the experience by eliminating echo and delay. Bid farewell to gooseneck adjustments and embrace the increased flexibility offered by array microphone systems.



VIS-DCP2000-R

FULL DIGITAL NETWORKED DSP CONFERENCE PROCESSOR FOR ARRAY MIC



Standard Wi-Fi Technology That Works Perfectly With Existing Networks

The product design embodies an elegant yet compact and user-friendly approach. Its standard CAT5e connection facilitates swift setup for gatherings of any size. Equipped with a graphical interface, including lighting cues, this conference unit ensures easy operation for all users. Installation is straightforward, and its intuitive design enhances productivity during meetings.

Incorporating advanced voice processing technology and a unique microphone head design, this unit accurately captures and reproduces human speech through high-quality speakers or external PA systems. With original AUDIO-LINK digital ring network technology and features like Automatic Gain Control Volume (AGC) and Automatic Frequency Control (AFC), it maintains clear communication at higher volumes without inducing feedback, ensuring every word is clearly heard and understood.

KEY FEATURES

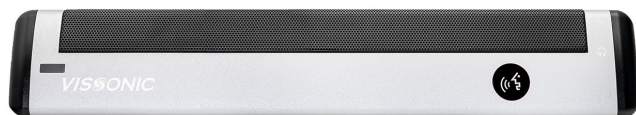
- It can be used for both wired and wireless conference
- A CAT5e network cable transmits 64 channels of audio and various information
- With extension main unit, the conference units can be expanded to 5200
- Full digital signal transmission and processing is backward compatible with Dante module
- Audio partition realises separate output
- Record and monitor by USB and has camera auto-tracking function
- 16-segment balanced EQ, hand-in-hand loop network connection and dual controller backup
- Built-in multi-way internal communication function

VIS-DAC-T / VIS-DAD-T

DIGITAL ARRAY MICROPHONE UNIT

VIS-DAC-T Chairman Unit

VIS-DAD-T Delegate Unit



VIS-ACC-T / VIS-ACD-T

DIGITAL ARRAY MIC WITH CHANNEL SELECTOR

VIS-ACC-T Chairman Unit

VIS-ACD-T Delegate Unit



VIS-DAC-F / VIS-DAD-F

DIGITAL ARRAY MIC WITH LIFTING DEVICE

VIS-DAC-F Chairman Unit

VIS-DAD-F Delegate Unit



KEY FEATURES

- All aluminum alloy body with metal mesh cover
- ARRA-Tech™ array microphone technology
- The pickup distance is not less than 80cm and the range is 160°
- Touch buttons to turn the mic on and off
- Comes with 2m cable to connect to the splitter to keep the desktop tidy
- Lossless technology with 48K audio sampling and 20Hz~20KHz response frequency
- Chairman unit can approve or reject speaking request

KEY FEATURES

- ARRA-Tech™ array microphone technology
- The pickup distance is not less than 80cm and the range is 160°
- Touch buttons to turn the mic on and off
- There are 64 channels of simultaneous interpretation with display of languages and channels
- Comes with 2m cable to connect to the splitter to keep the desktop tidy
- Lossless technology with 48K audio sampling and 20Hz~20KHz response frequency

KEY FEATURES

- Flush mount, support button or remote control
- All aluminum alloy body with metal mesh cover ARRA-Tech™ array microphone technology
- The pickup distance is not less than 80cm and the range is 160°
- Touch buttons to turn the mic on and off
- Comes with 2m cable to connect to the splitter to keep the desktop tidy
- Lossless technology with 48K audio sampling and 20Hz~20KHz response frequency

VIS-EXM

EXTENSION MAIN UNIT



KEY FEATURES

- Maximum output 150W
- A single unit can be expanded to 120 conference units
- Expand 4 channels to connect the chairman or delegate unit
- Use a dedicated power supply to achieve no fan noise
- The maximum cascading distance between extension main unit is 100 meters
- Support connection of 4 DANTE speakers or Audio Link speakers

VIS-CNB

SPLITTER BOX



KEY FEATURES

- Support ring and star topology connection
- Long-distance wiring signal transmission, used as signal extension
- The connection unit only needs one cable to complete power supply and data transmission
- Splitter cascade configuration, where each splitter divides into two separate branches
- When used as passive small network switch, can connect 3 signal stations (VIS-AP4C)



VIS-DCP1000
Digital Networked
Conference Procesor



VIS-DCP2000-D
DSP Networked Conference
Procesor

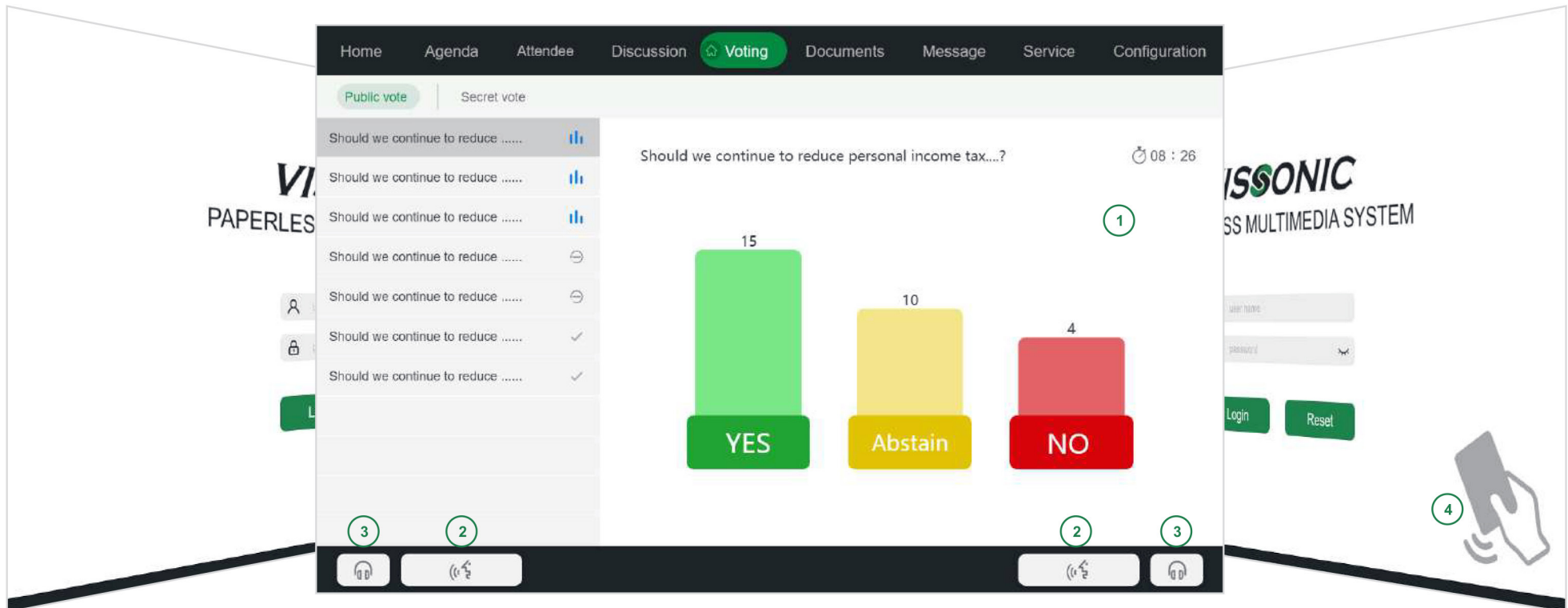


VIS-DCP2000-W
Wireless DSP Networked
Conference Procesor



VIS-DCP2000-R
DSP Networked Conference
Procesor for Array Mics

	VIS-DCP1000 Digital Networked Conference Procesor	VIS-DCP2000-D DSP Networked Conference Procesor	VIS-DCP2000-W Wireless DSP Networked Conference Procesor	VIS-DCP2000-R DSP Networked Conference Procesor for Array Mics
DSP PROCESSOR		●	●	●
WIRED MIC	●	●	●	●
WIRELESS MIC			●	●
ARRAY MIC				●
DISCUSSION	●	●	●	●
VOTE		●	●	●
INTERPRETATION		●	●	●
USB RECORD	●	●	●	●
CAMERA TRACKING	●	●	●	●
OLED SCREEN		●	●	●
ETHERNET CONTROL	●	●	●	●



Please note: The cost of licenses are **per unit** (one off cost)

VIS-PVOT ①

VOTING SOFTWARE MODULE

- Five voting or rating buttons
- Can have 2, 3, 5 key voting or rating
- License suitable for touchscreen unit

VIS-PDUL ②

DUAL USER SOFTWARE MODULE

- Identify multiple user identities
- Cooperate with simultaneous interpretation to achieve two groups of simultaneous interpretation options
- License suitable for touchscreen unit

VIS-PLGE ③

DUAL CHANNEL SELECTOR

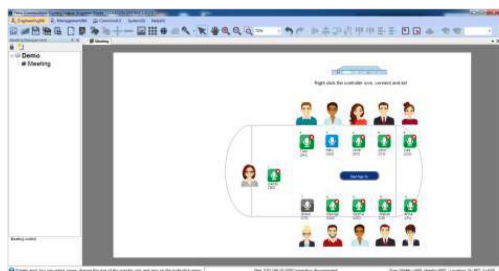
- Simultaneous interpretation channel selector
- The user interface has two sets of simultaneous interpretation buttons
- License suitable for touchscreen unit

VIS-PIND ④

NFC IC CARD SOFTWARE MODULE

- NFC sign-in or identity authentication
- Physical encryption card authentication
- License suitable for touchscreen unit

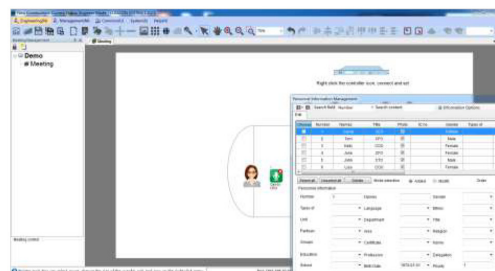
Please note: The cost of software is applicable **per system** (one off cost)



VIS-CLEACON SETUP

CONFERENCE MANAGEMENT SOFTWARE MODULE

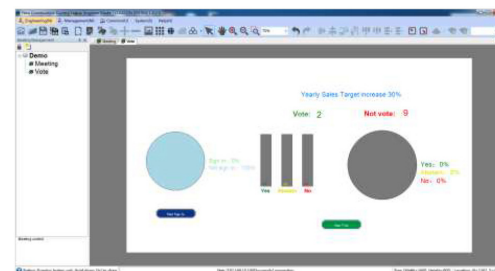
- Exclusive software module for conference management
- Sets up user and on-site topics and themes
- Detects the online and offline status and ID number



VIS-CLEACON MIC

MICROPHONE CONTROL SOFTWARE MODULE

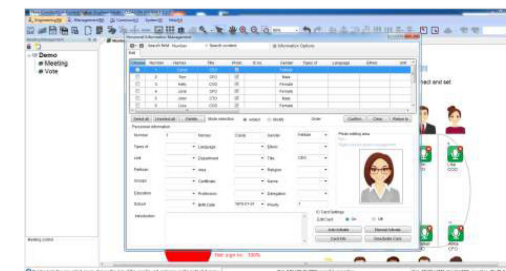
- Microphone control software module
- Arrange user's seats and microphones
- Name and microphone ID settings
- Import and export of Excel documents
- Real-time control of microphone



VIS-CLEACON VOTE

MEETING VOTING MANAGEMENT MODULE

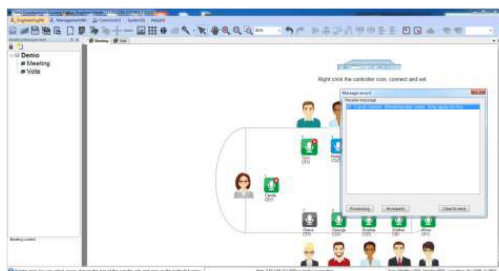
- Voting control software module
- Various voting management
- Real-time viewing of voting on projection of large screen
- Show the sign-in before the meeting starts



VIS-CLEACON IC

IC CARD MANAGEMENT SOFTWARE MODULE

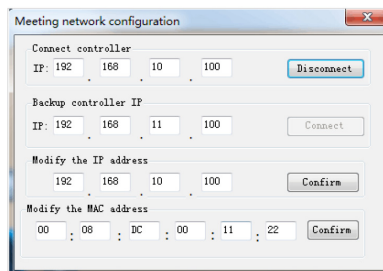
- IC card control software module
- Applicable to physical IC card sign-in service or seat authentication
- Enter detailed personnel information and seating



VIS-CLEACON SERVICE

CONFERENCE SERVICE SOFTWARE MODULE

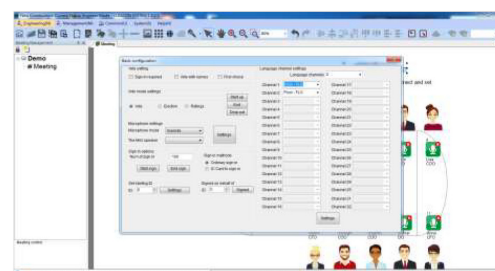
- Services software modules
- View participants' requests through the software or background
- Check the content of participants' requests in the background



VIS-CLEACON BACKUP

BACKUP SOFTWARE MODULE

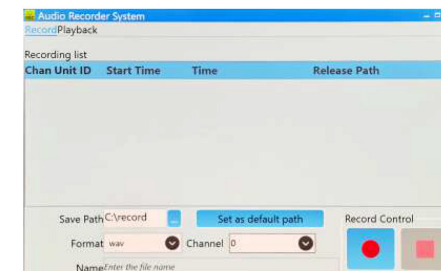
- Controller backup setting software module
- Two controllers can be used in series and set the master and slave machine
- When the fault is detected, the slave unit seamlessly takes over the work



VIS-CLEACON INTERP

INTERPRETATION SOFTWARE MODULE

- Interpretation channel management software
- Equipment sets up channels in batches
- Set up and manage the interpreter equipment between interpreters
- All devices are under the control of the software to avoid user malfunction



VIS-CLEACON RECORD

RECORDING SOFTWARE MODULE

- Channel recording management software
- Differential integrated recording, single-channel recording is possible
- Can record 64 channels interpreter voice and
- 64 channels speech voice respectively
- Files can be managed and modified



VIS-MDA

SQUARE TYPE DUAL CAPSULE MIC

- Digital and analog audio output
- All-metal design, matte surface texture
- Cardioid direction, adjustable moving angle



VIS-MDM

SQUARE TYPE MIC

- Array type dual capsule design, wide sound pickup
- All-metal design, matte surface texture
- Cardioid direction, adjustable moving angle



VIS-M220

220MM GOOSENECK MIC

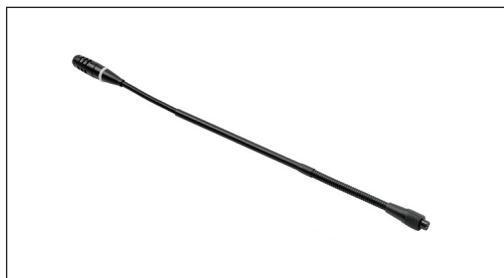
- 220mm flexible adjustable gooseneck
- Two-colour LED status indicator
- Anti-wind microphone foam cover



VIS-M330

330MM FLEXIBLE GOOSENECK MIC

- 330mm dual flexible sections on gooseneck
- Two-colour LED status indicator
- Anti-wind microphone foam cover



VIS-M410

410MM FLEXIBLE GOOSENECK MIC

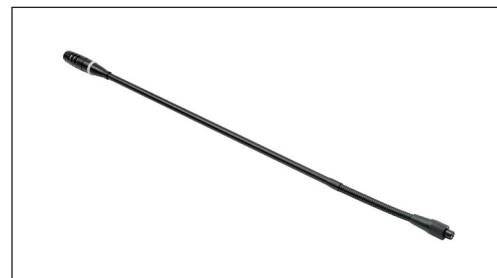
- 410mm dual flexible sections on gooseneck
- Two-colour LED status indicator
- Anti-wind microphone foam cover



VIS-M410-R

410MM FLEXIBLE GOOSENECK XLR MIC

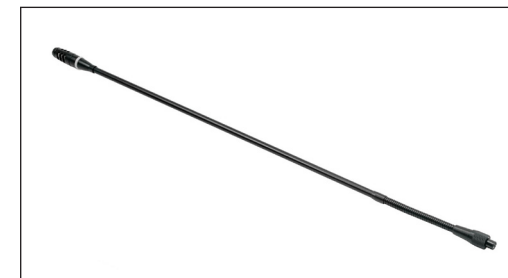
- 410mm dual flexible sections on gooseneck
- XLR port
- Two-colour LED status indicator
- Anti-wind microphone foam cover



VIS-M485

485MM FLEXIBLE GOOSENECK MIC

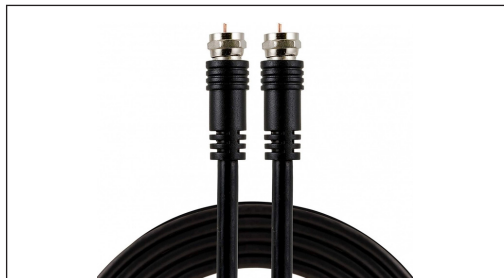
- 485mm dual flexible sections on gooseneck
- Two-colour LED status indicator
- Anti-wind microphone foam cover



VIS-M600

600MM FLEXIBLE GOOSENECK MIC

- 600mm dual flexible sections on gooseneck
- Two-colour LED status indicator
- Anti-wind microphone foam cover



VIS-LD

COXIAL RG59 CABLE

- Shield electromagnetic interference
- Prevent conference signal attenuation
- Metal connection interfaces in both side
- Size from 10m to 100m



VIS-HL

CAT5 CABLE

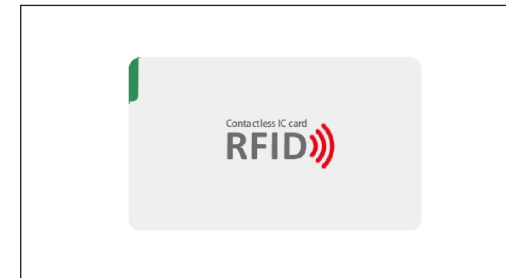
- High-strength flexible cable
- Two RJ45 shielded male connectors can reduce electromagnetic interference
- Extension cable for controller to CU/DU unit
- Size from 2m to 100m



VIS-CARDWR

IC CARD WRITER

- Connect to the management software
- Read and write information to IC card
- Encrypted information such as personnel name, seat number, etc



VIS-ICCARD

CONTACTLESS IC CARD

- ISO/IEC 14443A/MIFARE
- Compatible with access control system
- Used for conference sign-in and identity authentication



VIS-BTPS

RECHARGABLE BATTERY PACK

- Specific lithium battery for receiver
- Can be charged in the receiver
- The capacity is 1600mAh, working voltage is 3.7V



VIS-BAIB

SWITCH BUTTON

- External touch control panel
- Can be used for analog to digital audio box
- Provide communication for 2PIN and 3PIN Phoenix connector



VIS-BDSP

SWITCH BUTTON

- External touch control panel
- Can be used for XLR connector for audio output
- Provide Phoenix connector to connect to audio processor control



VIS-SPKBR

LOUDSPEAKER BRACKET

- Bracket for loudspeakers
- Adjustable vertical and horizontal angle
- High-quality metal structure can carry heavy equipment

Camera System

AUTO TRACKING AND RECORDING

Discover our groundbreaking camera auto-tracking systems, redefining remote meetings. Say farewell to stagnant camera angles and tedious manual adjustments. Cutting-edge tracking technology intelligently identifies and follows speakers' movements, ensuring they're always center stage. Bid adieu to manual camera tweaks, as the Vissonic Camera System guarantees every participant remains crisply visible, elevating the meeting experience.

Seamlessly integrating with various video conferencing platforms and interactive displays, our video solutions empower you to merge our technology with your preferred software (such as MS Teams or Zoom) and displays (with splicing support), crafting a tailored remote meeting solution that meets your precise requirements.



VIS-CRS02/03/04

PROFESSIONAL AUDIO/VIDEO RECORDER



CRS-02/03/04-B is a versatile conference recording and broadcasting device, featuring integrated functionality such as live and on-demand recording, intelligent guidance, and storage. Built on embedded hardware architecture, it ensures high stability.

With H.264/H.265 coding, it supports up to 4 HDMI video inputs at 1080P@60fps each. It offers 2 video output interfaces for multi-channel screen display and can serve as an input source for other systems like video conferencing.

The system enables simultaneous recording and live broadcasting in movie and resource modes, supporting picture-in-picture and split-screen display/recording.

KEY FEATURES

- Common protocol or AUDIOLINK protocol
- Tracking with participants by preset position
- Preview and playback the video in PC
- Output image or output guide control interface from HDMI and web page
- Built-in 1TB high-speed hard disk, you can choose to overwrite or pause when the storage is full
- Generating video files, FTP management, USB download, live broadcast and on-demand
- Up to 4 HDMI inputs support 4K@30Hz input to record, 2 HDMI loop out

VIS-CATC-A

CAMERA AUTO-TRACKING CONTROLLER (HDMI)



KEY FEATURES

- Seamless switching and multi-camera switching, no jitter, no blank screen
- Implement camera tracking by serial port or TCP/IP
- 4 channels SDI input, input with long-distance equalization function
- Adjustable output resolution, up to 1080P@60Hz resolution
- HDMI 1+1 output, SDI input supports 100m transmission with 75Ω coaxial cable
- 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)
- Turn on/off the channel number indicators

VIS-CATC-B

CAMERA AUTO-TRACKING CONTROLLER (HDMI/USB)



KEY FEATURES

- Can be used locally and shared via PC software such as (MS Teams, Zoom, Skype)
- Seamless switching and multi-camera switching, no jitter, no blank screen
- Implement camera tracking by serial port or TCP/IP
- Support 2 HDMI and 4 SDI input
- Adjustable output resolution, up to 1080P@60Hz resolution
- HDMI 1+1 output, 1x USB output video to PC
- 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)

AVONIC CM7* SERIES

HD AUTO TRACKING CAMERA



KEY FEATURES

- High-quality glass lens, 12x / 20x / 30x optical zoom options and 55.2° horizontal field of view
- Clear picture even under very low illumination conditions
- Full HD resolution of 1920 x 1080p60 and achieves a pristine image quality
- The camera can be powered using PoE
- Control the camera with common protocols

AVONIC AV-CON300-IP

PTZ CAMERA CONTROLLER



KEY FEATURES

- Control up to 255 cameras and up to 10 presets per camera
- Control settings like pan, tilt, zoom, PTZ speed, focus, iris, brightness, white balance and colour correction
- Controller supports the VISCA, VISCA over IP, PELCO-D and PELCO-P protocols
- Can be connected to RS232/485 or via LAN

VIS-CKB1

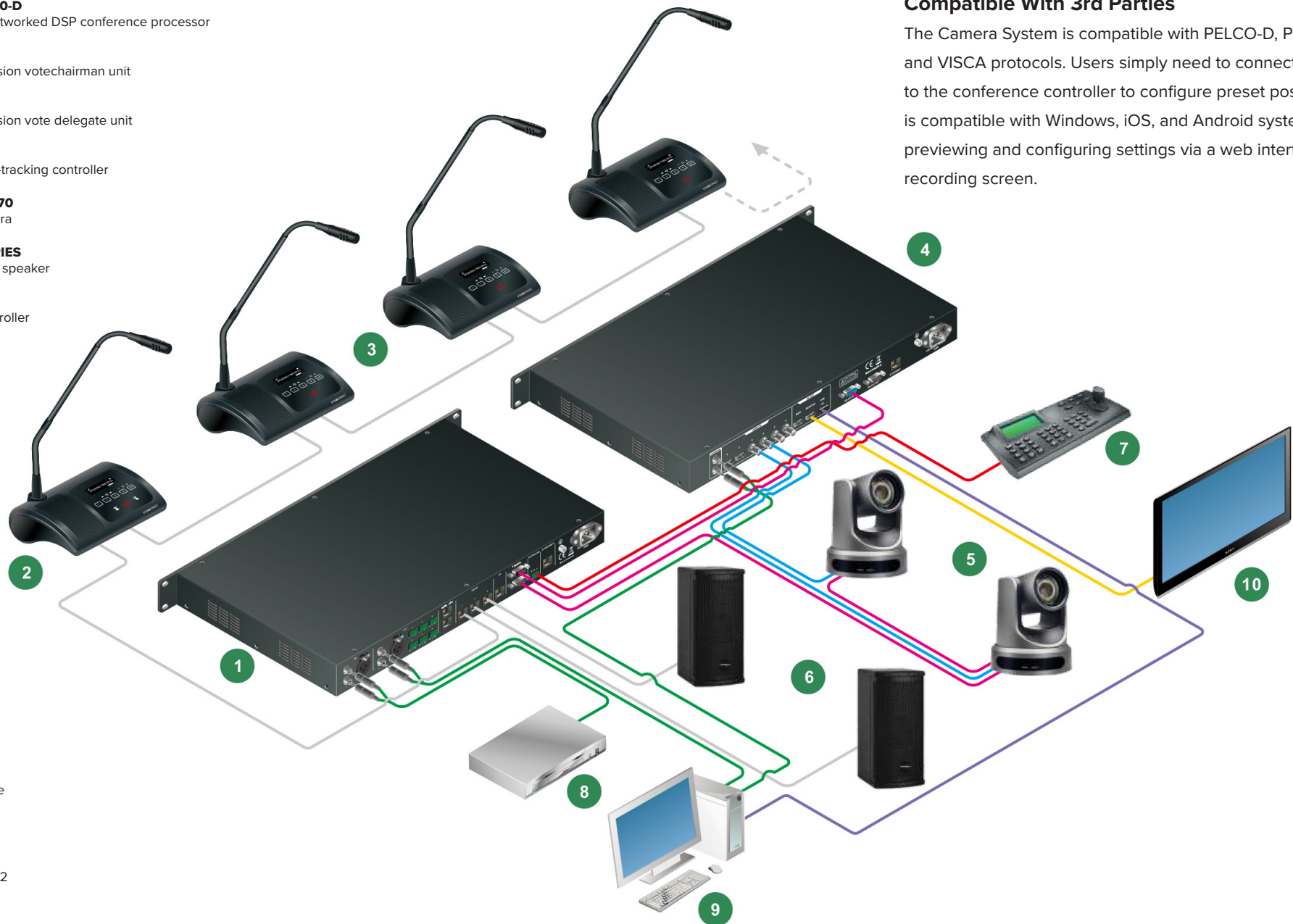
PRECISION CAMERA CONTROLLER



KEY FEATURES

- Can control the camera or pan/tilt rotation, zoom, iris, focus and camera parameter setting
- Metal body, efficient keyboard layout design
- Joystick is accurate for movement
- Common protocol or AUDIOLINK protocol
- LCD display for menu settings
- Support PELCO-D, PELCO-P, VISCA protocol

- 1 **VIS-DCP2000-D**
Full digital networked DSP conference processor
- 2 **VIS-DVC-T**
Wired discussion votechairman unit
- 3 **VIS-DVD-T**
Wired discussion vote delegate unit
- 4 **VIS-CATC-B**
Camera auto-tracking controller
- 5 **AVONIC CM70**
Full HD camera
- 6 **VIS-SPK SERIES**
PoE comumn speaker
- 7 **VIS-CKB1**
Camera Controller
- 8 DVD Player
- 9 PC
- 10 HD Display



Compatible With 3rd Parties

The Camera System is compatible with PELCO-D, PELCO-P, and VISCA protocols. Users simply need to connect the camera to the conference controller to configure preset positions. It is compatible with Windows, iOS, and Android systems for previewing and configuring settings via a web interface on the recording screen.

- CAT5e
- HDMI
- SDI
- RS-232
- Audio

Translation System

EASY TRANSLATION,
INTERNATIONAL COMMUNICATION

The Vlssonic Digital Infrared Language Distribution System facilitates multilingual meetings by transmitting speech in participants' mother tongues directly to their receivers and headphones. Using infrared technology, the system ensures signal coverage throughout the venue through direct light and diffuse reflection principles, allowing participants to move freely without compromising their ability to listen.

This system finds extensive application in various settings including large, medium, and small press conference halls, academic lecture halls, school auditoriums, and international conference venues. Moreover, Vissonic offers an IR Wireless Language Distribution System (IR interpretation system) capable of transmitting multiple translated languages via infrared signals to delegates across the conference facility. Available in configurations ranging from 4 to 32 channels, each dedicated to a different language, this system can function independently or be integrated with Vlssonic Conference Systems, offering a comprehensive solution for any facility.



VIS-VLI700A-4/8/16

DIGITAL INFRARED TRANSMITTER



High Security Technology and Anti-Interference

Vissonic's VIS-VLI700A is an 4/8/16-channel transmitter employing full-digital modulating technology for simultaneous interpretation. This digital IR Simultaneous Translation System ensures confidentiality within enclosed spaces by utilising modulated IR signals.

The system efficiently transmits both the original speaker's voice and translated languages to the entire meeting hall. Attendees can receive the translated audio via IR receivers and earphones, selecting their preferred language channel. The IR signals form a dense network within the room, ensuring random receiver allocation within the coverage area.

KEY FEATURES

- Compliance with IEC 61603-7 and IEC 60914
- Compliance with the latest national standard GB 50524-2010
- Compatible with third-party IEC 61603-7 infrared simultaneous interpretation system
- Support DQPSK digital modulation and demodulation technology
- A single controller can be assigned 4, 8 or 16 audio channels
- The display and indicator can view the system and radiation panel status
- Interference caused by high-frequency lighting system is eliminated

VIS-VLI703A-4/8/16/32

DIGITAL INFRARED RECEIVERS



KEY FEATURES

- 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
- Can be hung over the neck via a nice strap or fit into pocket
- Free movement within the range of IR power radiator
- Metal shell to resist radio frequency signal interference
- Up to 64 language channels (including the original sound channel)

VIS-VLI701A

DIGITAL INFRARED RADIATOR



KEY FEATURES

- Maximum radiation range up to 76 meters.
- Half-power / full-power the operating mode can be selected with a switch
- Synchronisation on/off with transmitter
- When the temperature of the radiator is too high, the system will automatically switch from full power to half power
- Connect further radiators in a daisy chain
- Unaffected by light, it can be used in meeting rooms even during the day
- Radiation angle $\pm 25^\circ$

VIS-INT64

64 CHANNEL INTERPRETER DESK



KEY FEATURES

- 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

VIS-TC50A

CHARGER AND STORAGE BOX FOR RECEIVER



KEY 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

MC-100

HEADPHONE FOR DELEGATES



KEY FEATURES

- Soft padded adjustable headband and conforming ear pads
- Ergonomic fit offers hours of comfort
- Custom high-performance drivers deliver a balanced sound signature

HSP 321

SINGLE-EAR HEADSET FOR INTERPRETER



KEY FEATURES

- Noise dampening electret condenser microphone
- Optimised for voice with broadband audio transmission
- Flexible head band and microphone arm
- Immune to radio interference from DECT and mobile phones

1 VIS-DCP2000-D
Full digital networked DSP conference processor

2 VIS-VLI700A-4/8/16
Digital infrared transmitter

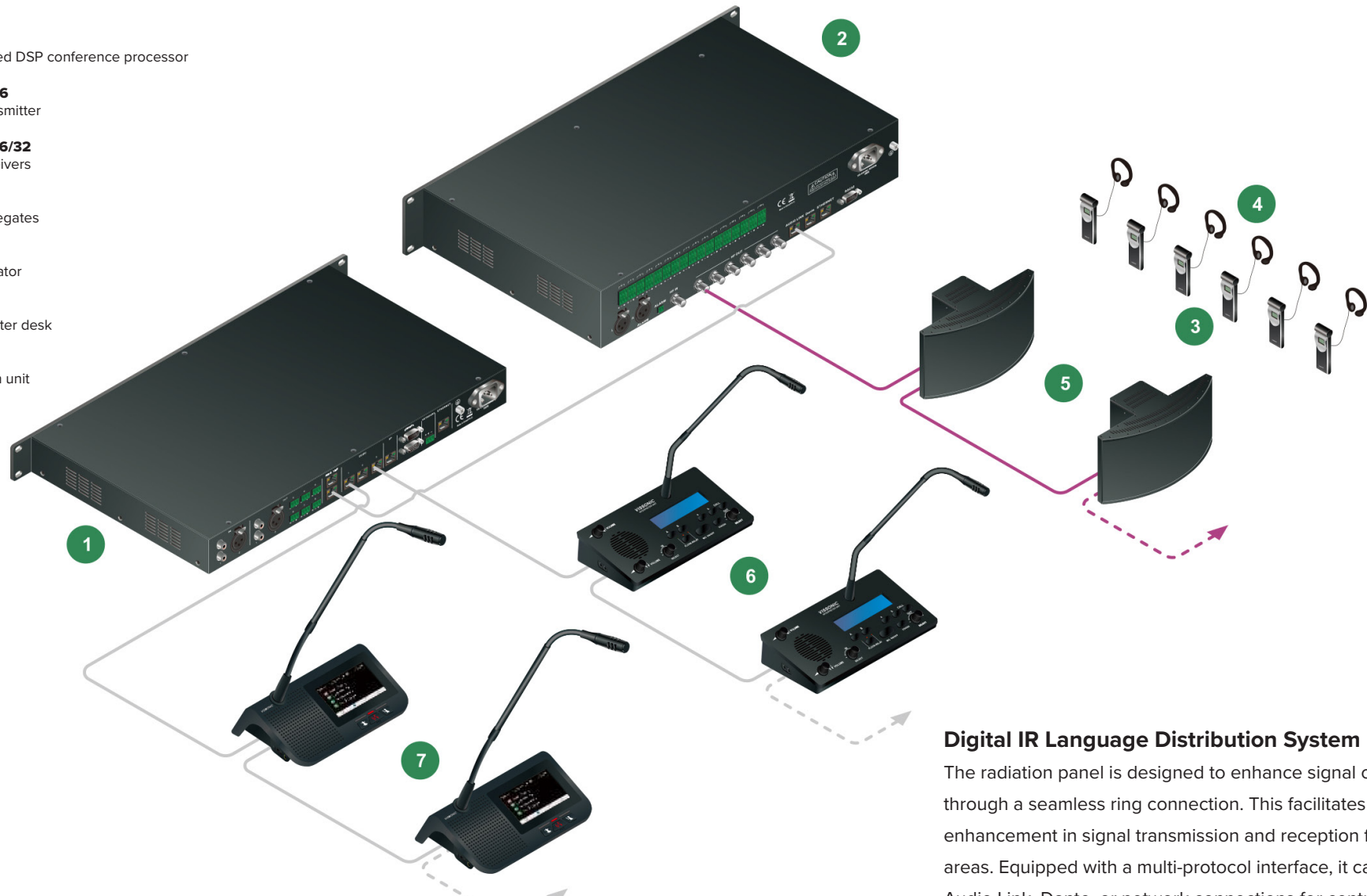
3 VIS-VLI703A-4/8/16/32
Digital infrared receivers

4 MC-100
Headphone for delegates

5 VIS-VLI701A
Digital infrared radiator

6 VIS-INT64
64 channel interpreter desk

7 VIS-MAU-T
Digital touch screen unit



Digital IR Language Distribution System

The radiation panel is designed to enhance signal coverage through a seamless ring connection. This facilitates significant enhancement in signal transmission and reception for expansive areas. Equipped with a multi-protocol interface, it can utilise Audio Link, Dante, or network connections for centralised management and control. This enables monitoring of equipment status and facilitates adjustment of power, balance, language, speaking mode, and other signal and controller settings through the central control RS232 interface.

CAT5e
HDMI
SDI
RS-232
Audio

Design and Commissioning

POLAR WILL PROVIDE ASSISTANCE
WITH ALL ASPECTS OF THE PROJECT

At POLAR, we endeavour to help make your projects as streamlined as possible. Our Technical Department can provide assistance with all aspect of the project, from the initial design stage of your conference system, to creating a Bill of Materials, Quote and System Schematics.

Furthermore, once the design has been approved, we can then provide on-site services to set up and commission the conference system, from the Controller, Chairman and Delegate microphone units, through to the Conference Bridge and PTZ Cameras.

After commissioning, we can then assist with User Acceptance Testing and delivering training to the end user on both the hardware and software components of the system.



Contact Us

BOOK A DEMO TODAY

To arrange a demo of Vissonic Conference Systems, contacting POLAR is the first step.

To request a demo, simply reach out to the POLAR sales team via phone or email, detailing your requirements and preferred timing for the demonstration. Or alternatively, scan the QR Code to fill out an Enquiry Form and one of our Conferencing Experts will contact you.

With our extensive knowledge and commitment to customer satisfaction, POLAR will ensure a seamless and informative demo experience, helping you make an informed decision about integrating Vissonic Conference Systems into your setup.



SCAN TO FILL OUT ENQUIRY FORM

POLAR

Email: sales@polar.uk.com

Tel: **01444 258258**