High-end Wired & Wireless Dual Transmission Digital Conference System

Main Controller

Model: VCS-WH3620M

SUMMARY

- This is a new intelligent digital wired and wireless dual transmission video tracking conference system, which perfectly integrates all digital technology, high-frequency transmission, and comprehensive network technology into the conference system, allowing the system to support both wireless and wired conference speakers. Users can greatly increase the flexibility of system installation according to their own needs, and seamlessly connect with intelligent central control systems, video conference systems, and monitoring fire prevention systems, providing a more complete solution for efficient modern conference system engineering.

Non-contractual illustrations. Contents subject to change without notice. (10.21)

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FEATURES

- Adopt all-digital conference technology, developed based on digital network architecture, built-in high-performance CPU processor, faster processing speed, better sound quality, support discussion, video tracking functions
- High-performance switching power supply, long-distance transmission will not have any impact on sound quality
- Anti-interference circuit design to eliminate all interference from mobile phone signals,
- Adopt FM transmission audio, cooperate with high-reduction circuit and anti-howling design, and use the new anti-howling single-point high-sensitivity capacitor microphone core to achieve high-fidelity restoration of conference sound
- Control and audio signals use wireless high-frequency signal communication to avoid the microphone cable, simple and convenient installation
- 4.3 inch full-view IPS capacitive touch screen, intuitive display and easy adjustment of system parameters
- Support USB recording, high-fidelity WAV format output
- With 20 sets of optional channels, 20 sets of systems can be used simultaneously, easily avoid all kinds of interference
- Microphones in one system up to 200 units, 6 microphones can be turned on at the same time, up to 6 chairman units speak at the same time
- Compatible with the simultaneous use of wired conference units which support hot plug, It has 1 groups of 2-channel RJ45 microphone unit interfaces, adopts closed-loop Ethernet link mode, supports bilateral power supply of microphone units, and supports 20 microphone units with RJ45 interface. In addition, it has one 8-core microphone unit interface and supports 30 microphone units with 8-core interface
- With variety of conference modes: FIFO (first in, first out mode), APPLY (application mode), FREE (free mode), LIMIT (restricted mode)
- With conference service function, speaking unit can apply for tea, pen, help services
- Use high-performance DSP processor to adjust the high and low frequencies and noise reduction on the audio to make the sound clear and thorough; effectively prevent howling
- With USB interface, can be connected to a computer to set up the host
- With camera 232 and 485 communication interface (6P Phoenix interface), connect SD or HD camera, support SONY VISCA, PELCO P / D communication protocol
- With video switching 232 interface (3P Phoenix interface), can connect HD video matrix
- With 4x1 HDMI HD seamless video switching interface**(Optional installation)**
- With central control code 232 interface (3P Phoenix interface), can be connected to central control systemthe host

- With 1 balanced audio output interface (3P Phoenix interface), can be connected to sound reinforcement or recording equipment
- With 1 unbalanced audio output interface (3P Phoenix interface), can be connected to sound reinforcement or recording equipment
- With 1 DANTE audio output interface, can connect other DANTE equipment**(Optional installation)**
- With 1 unbalanced audio input interface (2P Phoenix interface), can input external audio signals (such as background music or remote voice signals)
- With alarm signal input interface (alarm voltage interface +1 2P Phoenix interface alarm audio input port), when the public address alarm system starts, it can automatically pause the conference and send alarm information to the participating units
- With 3 channels of audio antenna interface (BNC interface) and 1 channel of data antenna interface (TNC interface)
- With 1 channel of data expansion interface (4P Phoenix interface), which can connect the data expander through wired RS-485 and install it on the ceiling of the venue, fundamentally avoiding the failure of system data communication caused by partition wall and other reasons, and ensuring effective data communication between wireless conference controller and wireless conference unit (transceiver radius is 40m)
- Operation distance up to 100 meters with the best condition, 60 meters in normal condition
- Can be installed in a standard 19-inch cabinet for easy storage and storage

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SUPPLIED ACCESSORIES

1 Power cable
1 USB cable
3 Audio antennas
1 Data antenna
1 Installation and operating manual

SYSTEM ENVIRONMENTAL CONDITIONS

Working conditions fixed/stationary/transportable
Temperature range
Transport . . . . -40℃ to +70℃
Operating. . . . . 0℃ to +45℃
Max.relative hurmidity . . . . < 95% (not condensing)

TECHNICAL SPECIFICATIONS

General
Power supply. AC110V-220V/50Hz
Consumption rating . . . . ＜7.2W

Others
Weight . . . . 5.5 kg [12.125 lbs]
Colour . . . . Black

Audio channel
Transmission method. . . . . UHF Wireless (one-way)
Audio channel. 6CH
Carrier frequency band UHF512-945MHz
Modulation method. . . . . FM
Receiving sensitivity . . . . -90dBm

Data channel
Transmission method. . . . . UHF Wireless (two-way)
Data channel. 20CH
Frequency Range. UHF433-436MHz
Modulation method. . . . . FSK
Receiving sensitivity . . . . -90dBm
Transmission consumption. . . . . ≤+7dBm
Frequency deviation. . . . . <0.003
Communication rate 110KBPS

Interface
Recording connector. . . . . USB
Audio signal receiving interface . . . .BNC x3
Data signal interface . . . . .TNC x1
Wired Unit Input connector . . . . . . .DIN-8 x1, RJ45 x1 (group)
Data expansion interface . . . . .4P connector
Central controller connector . . . . . . RS-232 （3P connector） x1
Camera switch connector . . . . RS-232 （3P connector） x1
Video connector . . . . .HDMI 4x1**(If necessary)**
Camera control connector . . . . 6P connector
Computer connecting . . . . .USB x1
Audio input . . . . 2P connector （unbal） x1
                             RCA （unbal） x1
                             2P connector （unbal） x1
                             （alarm device）
Audio output . . . . 3P connector （bal） x1
                             2P connector （unbal） x1
                             XLR （bal） x1
                             6.35mm （unbal） x1
                             RCA （unbal） x3
Digital audio interface . . . . .Dante x1**(If necessary)**

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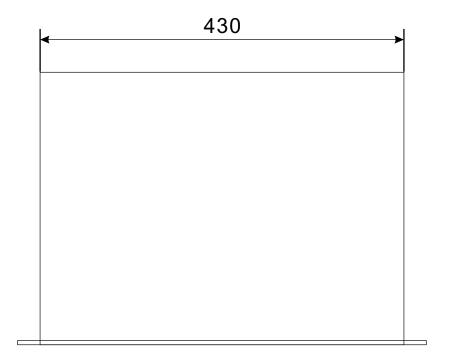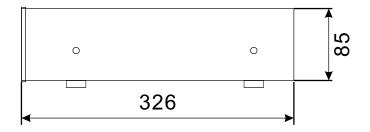
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DIMENSIONS (mm)

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