



Video Conferencing Products Promotion 2023

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- Target Customer

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Solutions

- Board room
- Huddle Room
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Appendix

Competitor
 Analysis Table

Market Overview



According to HP research, approximately 75% of office workers are investing in improving their home office environment to support new ways of working. Traditional office spaces are also being reconfigured to support mixed office and collaboration, with an investment focus on conference room solutions. According to Frost & Sullivan's report, currently there are over 90 million conference rooms worldwide, with less than 10% having video functionality. The organization expects that by 2024, the penetration of office conference room solutions is expected to increase to 30%. HP's acquisition of Poly at a premium of real gold and silver is precisely aimed at complementing Poly's products and markets, and achieving a joint layout of hybrid office by strong companies.





Technology Trend 2023



Enhanced Business Communication

- Easy to use
- Reduce cost and increase efficiency
- Consistent with reality

Healthcare

- Break the space limitation
- Timely medical support

Society at Large

- Interact seamlessly
- Viewing the world

Cloud-Based Communication

- Could be automatically updated and maintained
- More users worldwide

The Growth of 5G

- Increase speed and reduce latency
- Video and audio quality
- Increase the capacity of IoT equipment

Security

- Information security
- Psychological Safety

1

ΑI

Intelligent audio and video technology

Data analysis

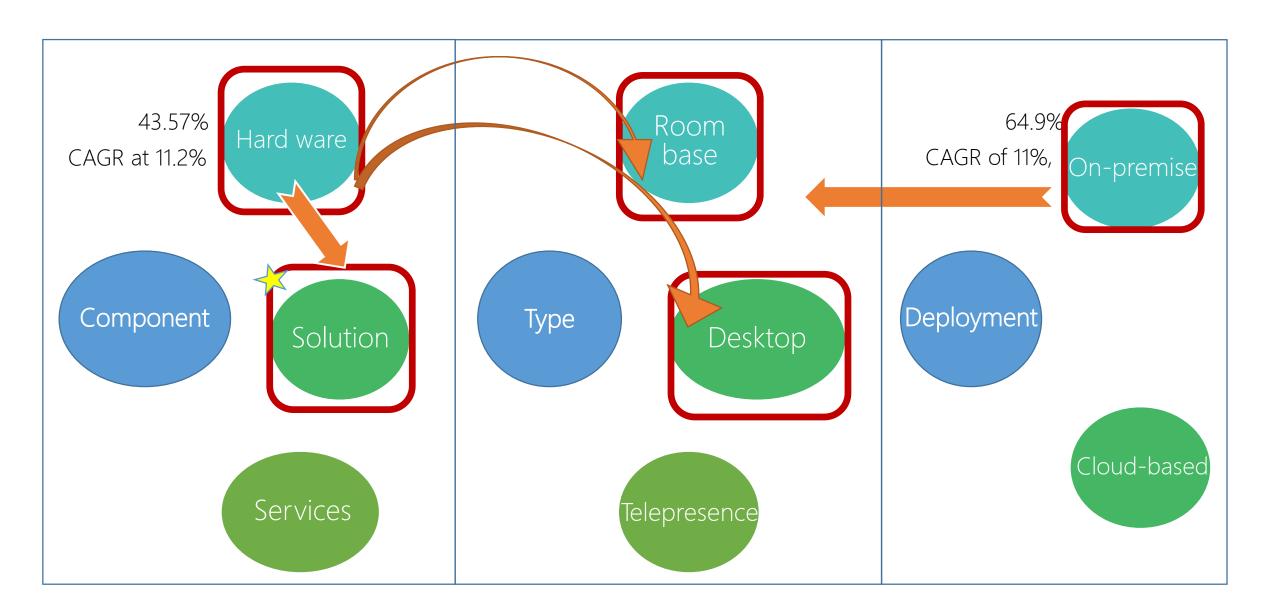
• Ignore language barriers

User Experience

- Quick start
- No software download
- Easy installation of equipment
- integrate different popular video conferencing platforms

Segment and Targets





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Dahua Products Roadmap





Web Camera



1080P Webcam UC300



1080P Webcam UC320



1080P Webcam (Auto Focus) UC325



2K Webcam (Auto Focus) UC340



4K Webcam (Auto Framing) UC390

All-in-one USB

Camera



1080P All-in-one **USB** Camera VCS-C4B0



4K Integrated Sound bar VCS-C5A0



4K 3 Lens Sound bar

Conference Reservation System

Conference Camera



Dual-eye 4K Tracking Camera XC900



PTZ Camera VCS-C5B0



HD Conference Camera VCS-C7A0



HD Conference Camera XC800



HD Conference Camera XC800-NDI

Mic & Speaker







Microphone

VCS-MCA400

Wired/Bluetooth VCS-MCA450



2K Minibar

(Auto Framing)

Ceiling Microphone



Headset

ER200



Headset Reservation Server ER300 Meeting-OA



Room Panel Display10 Display13

Video Conference System





Integrated Endpoint Integrated Endpoint ST510 ST200



Soft Endpoint

Interactive Whiteboard

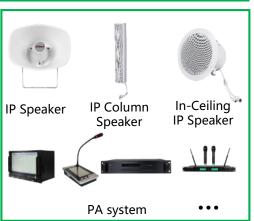


Conference Audio System



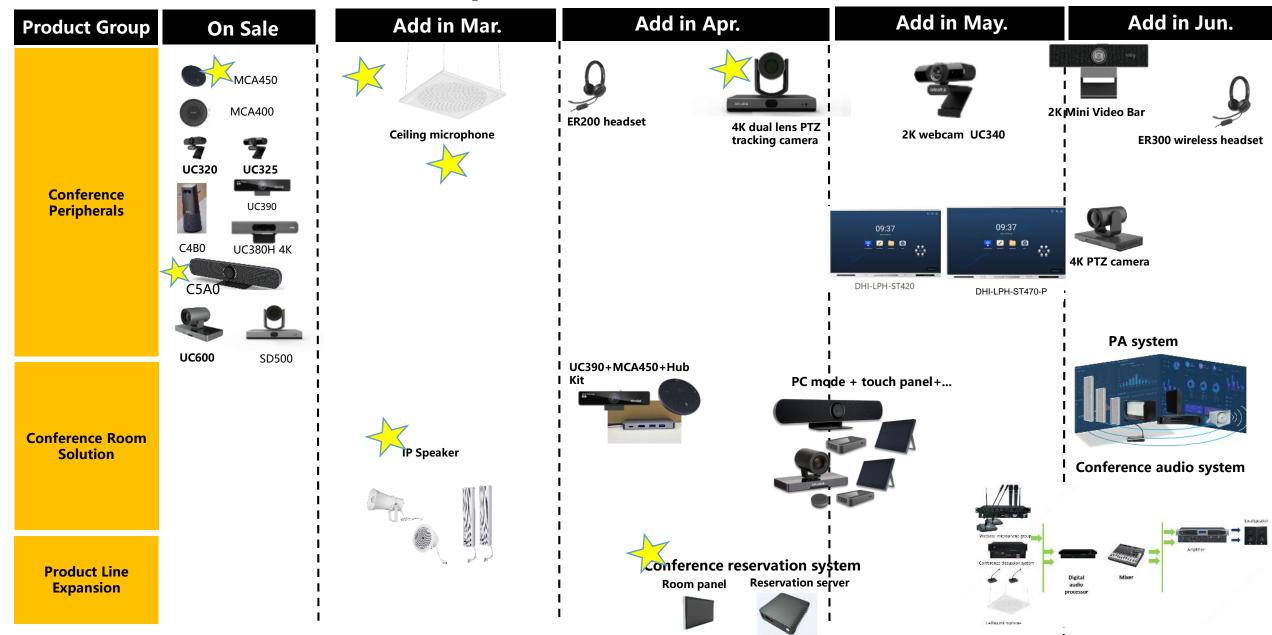
PA System

Conference



Dahua Products Roadmap





Dahua Products Strategy



PERIPHERALS

SOLUTION KITS

PRODUCT EXPANSION

E-commerce channel

More diversified product selection to meet customer needs

OEM

High-end/personal product customization (Smart whiteboard, ceiling microphone, sound bar)

Target Distributor

Differential omnidirectional mic; Peripherals with high cost performance; Highlighting the profit advantage of partners

IT channel

Add the standard Kit of conference room with continuous iteration support to open the market

Target Distributor

Improve the solution supply capacity and reach the professional market access threshold

Solution expansion

Three new product modules were added to initially establish the Hitrolink conference ecology

Expanding the Group's resource advantages

IP speaker has entered the NVR/DSS baseline, enriched the selection and stabilized the market position

AV channel

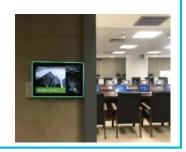
AV system integration ability + CCTV resources, equipment (Hitrolink)+integrator customer (installation) mode to establish long-term cooperation











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BOARD ROOM

Features

- One-stop solution
- Adapt to mainstream conference platform (Zoom/Teams/Webex etc.)
- 4K resolution display and camera
- Al functions: Auto framing and voice tracking
- Ceiling microphone

Solution

| DHI-LPH-ST420 | 1 |
|--------------------|---|
| XC900 | 1 |
| Touch Panel | 1 |
| Mini PC | 1 |
| Ceiling microphone | 1 |
| Display10 | 1 |
| Meeting-OA | 1 |



















Board Room

35m²-50m² | 12-15 People

DHI-LPH-ST420



Projector



3 XC900



ACM200



6 AP100



6 ACT100



7 Touch Panel



8 Mini PC



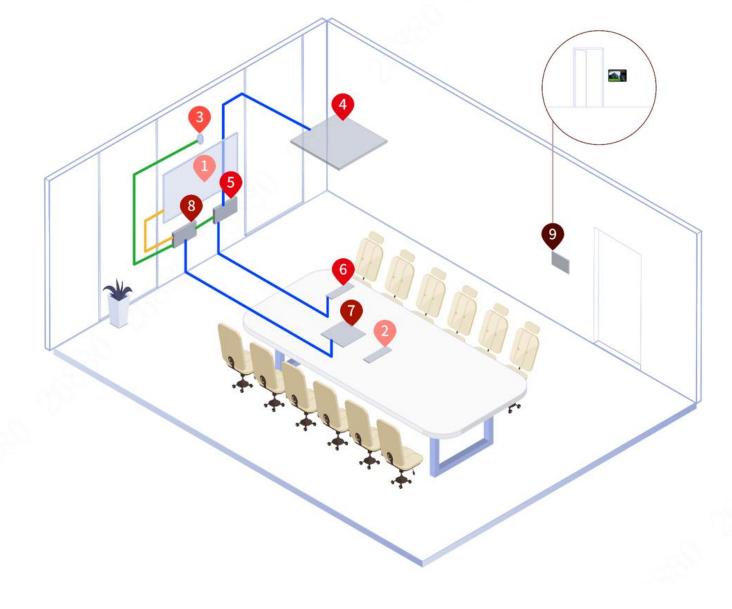
9 Room Panel



USB

Network

ндмі







Features

- All-in-one solution
- Flexible installation
- Convenient device management

Solution 1

| DHI-LPH-ST420 | 1 |
|------------------------|---|
| DHI-PKC-MS1A | 1 |
| Board-ISMA-C(Optional) | 1 |
| Board-IPCI5M(Optional) | 1 |

Solution 2

| VCS-C4B0 | 1 |
|----------|---|
|----------|---|







VCS-C4B0



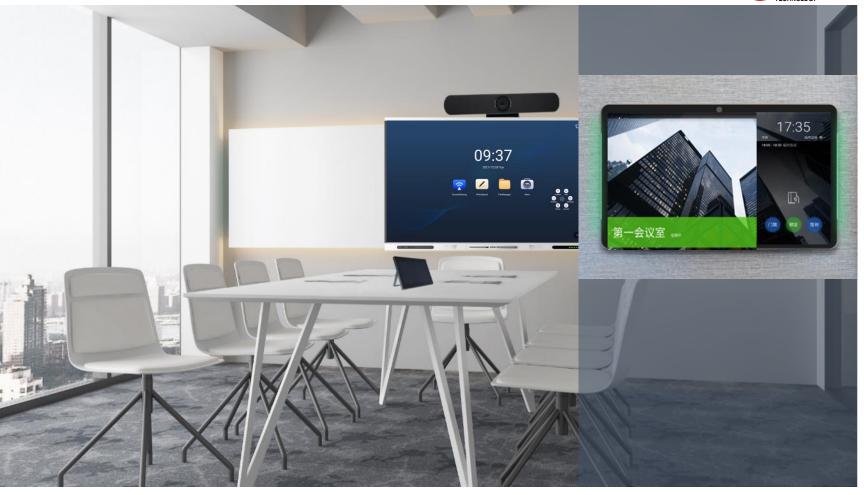
SMALL-MIDDLE ROOM

Features

- One-stop solution
- Adapt to mainstream conference platform (Zoom/Teams/Webex etc.)
- 4K resolution display and camera
- Al functions: Auto framing and voice tracking
- Windows and Android system
- Two touch screen control flexible switch

Solution

| DHI-LPH-ST420 | 1 |
|---------------|---|
| VCS-C5A0 | 1 |
| Touch Panel | 1 |
| Mini PC | 1 |
| Display10 | 1 |
| Meeting-OA | 1 |

















| Small-Middle Room

10m²-20m² | 4-10 People

DHI-LPH-ST420



Projector



VCS-C5A0



4 Touch Panel



5 Mini PC

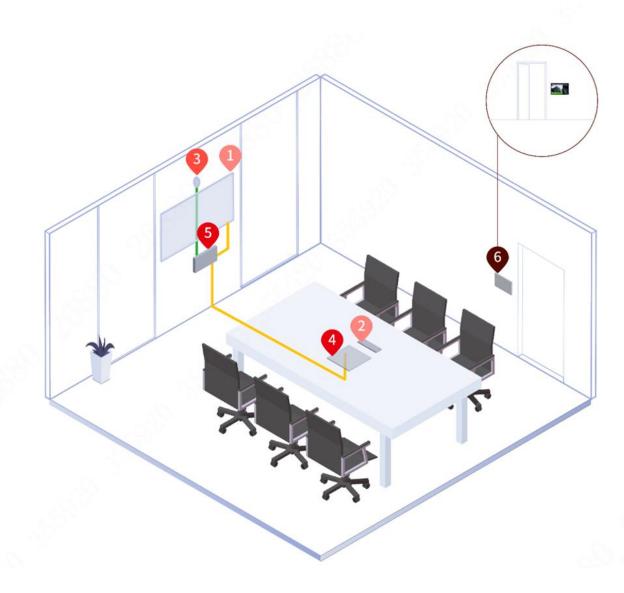


6 Room Panel





HDMI





SMALL-MIDDLE ROOM (Light)

Features

- One-stop solution
- Flexible installation
- Convenient device management
- 4K resolution and display, 4m voice pick up

Solution

| DHI-LPH-ST420 | 1 |
|----------------------|---|
| UC390+VCS-MCA450+HUB | 1 |















| Small-Middle Room (Light)

10m²-16m² | 4-8 People

DHI-LPH-ST420



2 UC390



VCS-MCA450

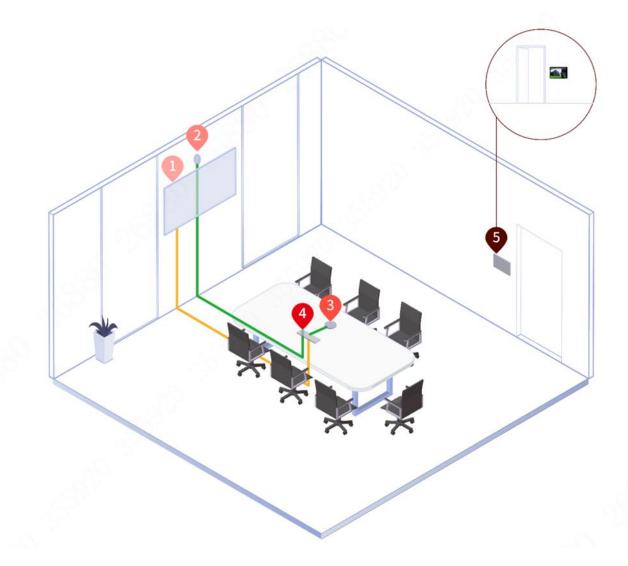


4 Hul



5 Room Panel





USB

HDMI

alhua TECHNOLOGY

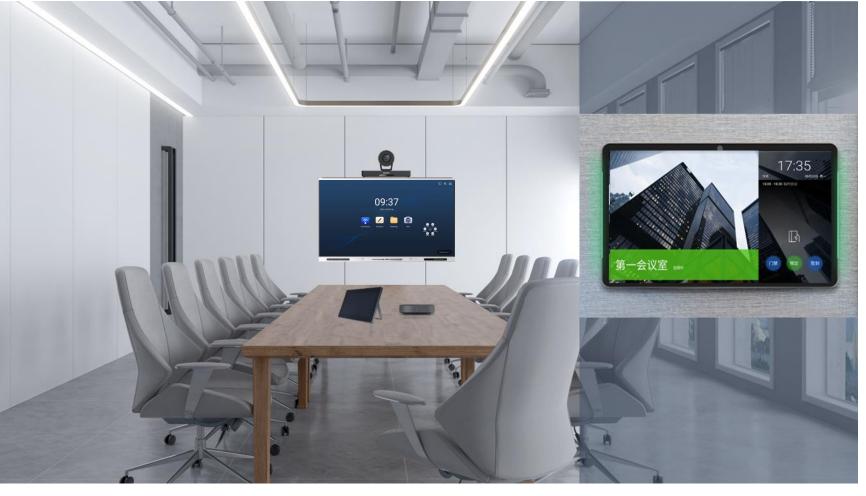
MIDDLE ROOM

Features

- One-stop solution
- No computer required
- Adapt to mainstream conference platform (Zoom/Teams/Webex etc.)
- Convenient operation

Solution

| DHI-LPH-ST420 | 1 |
|---------------|-----|
| VCS-C5B0 | 1 |
| Touch Panel | 1 |
| Mini PC | 1 |
| VCS-MCA400 | 1-2 |
| AC200 | 1 |
| Display10 | 1 |
| Meeting-OA | 1 |





















Middle Room

20m²-35m² | 8-12 People





Projector



VCS-C5B0



4 VCS-MCA400



5 USB Dongle



6 Touch Panel



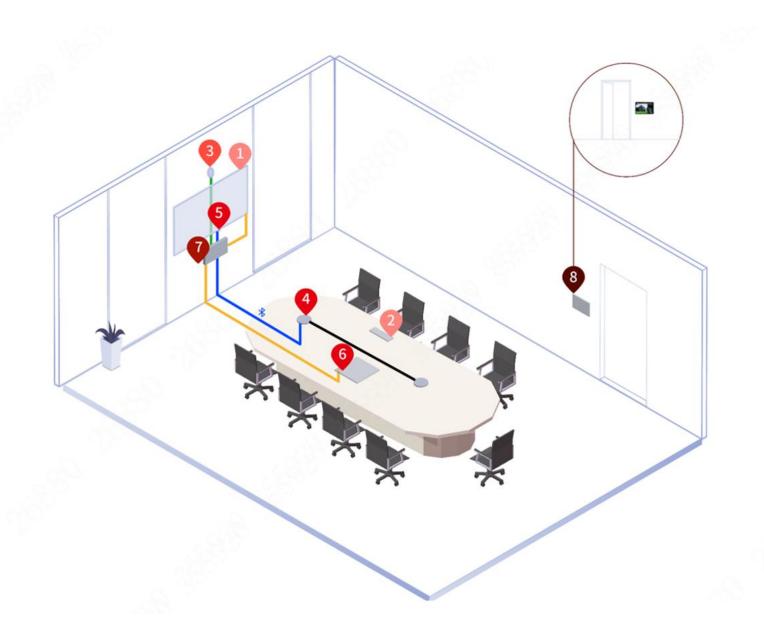
7 Mini PC



8 Room Panel









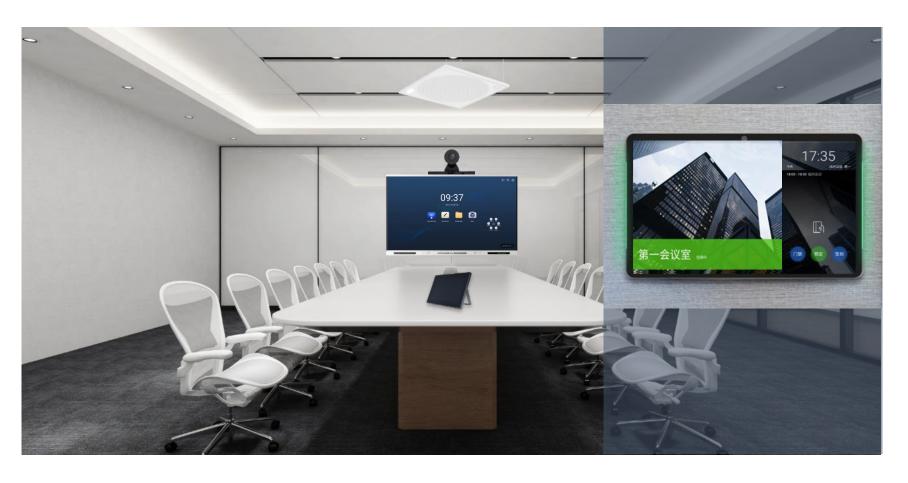
LARGE ROOM

Features

- One-stop solution
- No computer required
- Adapt to mainstream conference platform(Zoom/Teams/Webex...)
- 4K conference capacity

Solution

| DHI-LPH-ST420 | 1 |
|--------------------|-----|
| XC800 | 1 |
| Touch Panel | 1 |
| Mini PC | 1 |
| Ceiling microphone | 1-2 |
| Display10 | 1 |
| Meeting-OA | 1 |

















Display10

Meeting-OA



| Large Room

50m²-60m² | 16+ People

DHI-LPH-ST420



Projector



XC800





ACM200



AP100



AWS100*2



ACT100



Touch Panel



Mini PC



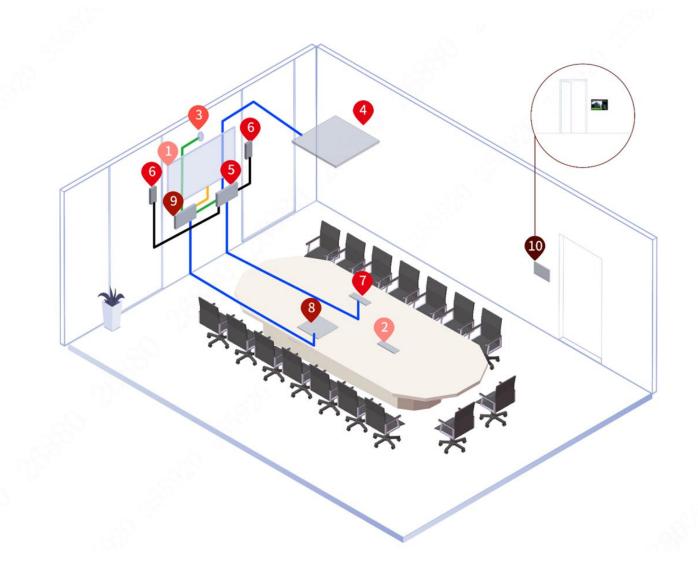
Room Panel



USB

Audio Line

Network



AUDITORIUM

Features

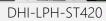
- One-stop system solution
- IOT control integration to improve service delivery value
- Professional venue acoustic design, excellent acoustic effect
- Adapt to access and handover of multiple audio and video systems

Solution

| DHI-LPH-ST420 | 1-2 |
|---|-----|
| XC800 | 1-2 |
| Control System (including server & controller) | 1 |
| Speech & Discussion System (including host & mic) | 1 |
| Loudspeaker & Amplifier | 2 |
| Audio Processor & Mixer | 1 |
| Ceiling microphone | 1 |
| Display13 | 1 |
| Meeting-OA | 1 |











Display13



Meeting-OA



Ceiling mic







Control Host Server



Microphone











PUBLIC—PA SYSTEM

Features

- For Building system, highway, campus, shopping mall, etc.
- Complete product system and diverse product selection
- A large number of successful projects in China
- Could supply full IP system solution, easy installation and long distance capacity

Solution

| S17-C | 1 |
|------------------------|---------|
| TW07 | 1 |
| FW119 | 1 |
| TW40-C (diverse types) | depends |
| M16 | 1 |
| T6629 | 1 |
| SW05 | 2 |
| A6611 | 1 |
| BW60 + W20 | depends |





































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WEBCAM-Stronger & More Diverse





Good video partner

- Auto framing +Auto Focus
- Camera+Speaker+Microphone, All-in-one solution

Create your real time meeting

- Smooth Privacy Cover+2 stands+ 4m Omnidirectional
 Mic= Close to reality
- 4K +8MP+120° view = Reproduce reality
- Auto framing + Auto WB= Better than reality

ALL-IN-ONE CAMERA-One Stop Solution

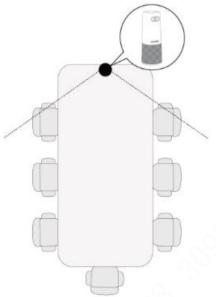


VCS-C4B0





- 1080P FHD image sensor
- 100° Ultra wide angle (horizontal)
- 99% Al noise reduction/AEC/ANS/AGC, strong double speak inhibition
- Built-in 4-element omnidirectional microphone array, 4 - 6m pickup distance
- High-quality wideband speaker
- Compatibility with mainstream software
- USB2.0 Type-C connection, Plug & Play
- Aesthetic design, fashionable and simple



ALL-IN-ONE CAMERA-One Stop Solution





Meeting



VCS-C5A0

Al Noise Reduction+ BF Mic with 6m pick up

High Compatibility

4K+Auto-Framing+Speaker Tracking

7m cable + New package (lower costs)

Remote Collaboration







MIC & SPEAKER





VCS-MCA400

Create your value in collaboration and meeting

- For IT conference market
- For quality sensitive customer
- --Business style appearance

Support cascade expansion distance





MIC & SPEAKER





Embedded installation



Ceiling installation





Product Features

- 91-Element Microphone Array
- 12 Deep Side lobe Beamforming
- 8m effective Pickup Range
- Daisy-Chain Up To 8 Devices
- Al Noise-Suppression
- True Full Duplex
- Digital Signal Processing (DSP)

Product Value

- Solve the problem of unstable signal on wireless microphone, when the scene is larger and the environment is more complex
- Hub with audio processor and amplifier, be able to adapt to existing sound reinforcement system
- High gross profit per product
- Better value-added space for installation services



HEADSET



Applications











ER110

3.5mm/USB2.0

- For High costperformance
- For project bidding





ER200

USB2.0/USB type-C Al Noise Reduction

- For OEM
- For e-commerce

ER300

Bluetooth/USB type-C Al Noise Reduction

- For high quality
- For e-commerce
- For IT channel

CONFERENCE CAMERA-Wider Eyes & Smarter Brain



XC800

HD PTZ camera

4K@30fps, 12x optical zoom Pan:±120°, Tilt:-30°to 30°

- For ceiling install demand
- For AV conference solution
- For 12-15 people room





All-in-one USB camera

1080p/10x optical zoom

- For high cost performance
- For OEM
- For 8-12 people room





XC800-NDI

All-in-one USB camera

NDI --faster and more stable for long distance connection and transmission

XC900

April.
Coming soon

Tracking PTZ camera

4k@30fps ,16x optical zoom
Pan: -170° to 170°, Tilt:-30° to
30°

- For high quality distributor
- For high-end OEM
- For project bidding
- For 10-18 people room

CONFERENCE RESERVATION SYSTEM



- System Function





Before the meeting

- 1. Meeting booking
- 2. Schedule establishment
- 3. Room panel display design





Multiple ways to sign in

- 1. Office ID Card
- 2. Face recognition





Automatic conference room release

- 1. No one attend
- 2. Meeting timeout





Conference statistics

- 1. Statistical chart
- 2. Sign-in report
- 3. Conference documents

CONFERENCE BOOKING

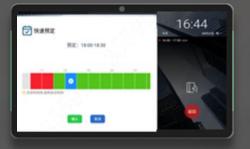


display10/13 Room Panel

- Support OEM
- Support third party software(Android)

Meeting-OA Server

- Support Language customization
- Support third party access



Quick booking



Advanced booking



Information display



DeepHub WHITEBOARD





DHI-LPH-ST420



DHI-LCH-MC410-B



DHI-LPH65/75/86-MT440-C



DHI-LPH-SC470-P



DHI-LPH-MC470-P

DeepHub-Hardware





DHI-LCH-MC410-B Features:

- 55"/65"/75"/86" 4K DLED display
- Zero Air Gap technology
- Superb writing
- Screen sharing
- Office document support
- All-in-One Design
- Android 9 system
- Dual OS, Android & Windows



DHI-LPH-MC470-P Features:

- 65"/75"/86"/98" 4K DLED display
- Zero Air Gap technology
- Superb writing
- Screen sharing
- Office document support
- Fingerprint lock
- Al features
- All-in-One Design
- Android 11 system
- Dual OS, Android & Windows

DeepHub-Hardware





DHI-LPH-ST420 Features:

- 65"/75"/86" 4K DLED display
- Zero Air Gap technology
- Superb writing
- Screen sharing
- Office document support
- Al features
- Android 11 system
- Dual OS, Android & Windows



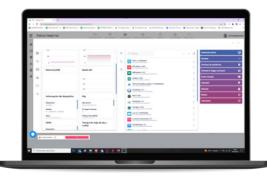
DHI-LPH-SC470-P Features:

- 65"/75"/86" 4K DLED display
- Zero Air Gap technology
- Superb writing
- Screen sharing
- Office document support
- Al features
- 65W & 15W PD charging via Type-C
- Optional plug-in camera
- Built-in 8 array mic
- Android 11 system
- Dual OS, Android & Windows

DeepHub-Software



1.Equipment management software



DMS Software(Cloud)

- Remote device management
- Device settings
- Industry Leading platform compatbility

2. Classroom teaching software



DeepHub Class

- Cloud-based course preparation and presentation
- Native course presentation

3. Screen interactive software



Support for all devices and streaming protocols:













Cast

- •Cast to the big screen from any device
- •Share screen from anywhere, across any network
- Two-way collaboration

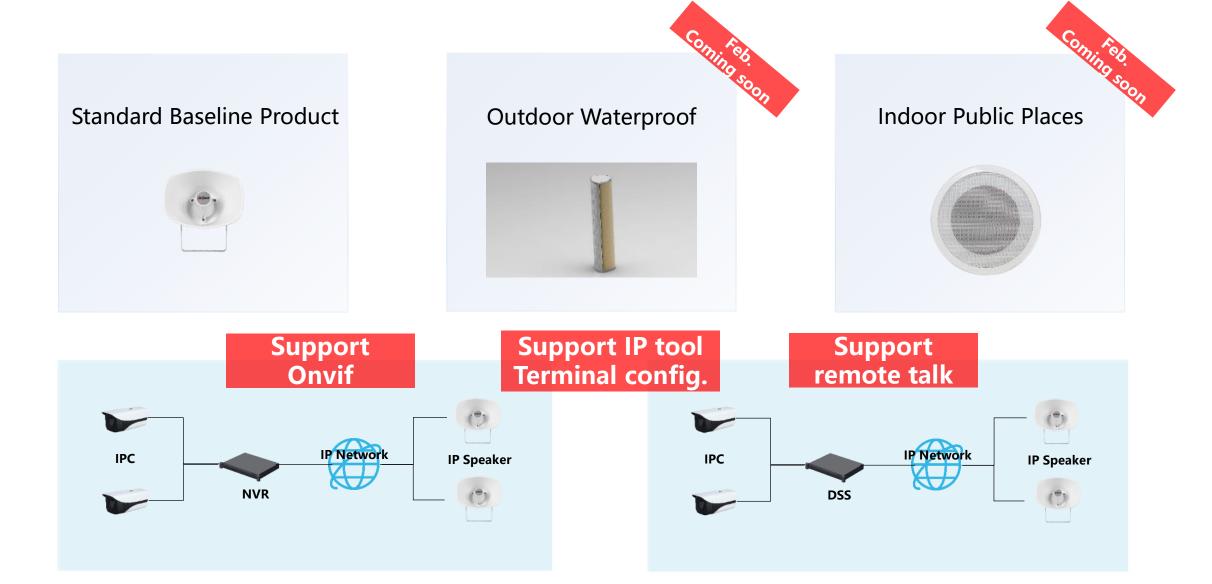


Broadcast

•Share content from your Deephub interactive display to any connected participant.

IP SPEAKER





IP SPEAKER-Application Cases





Factory Workshop





Recognize the dangerous event and trigger the broadcast to automatically play the warning recording or the remote shouting of personnel to avoid safety accidents Supervise the safety production process. If anyone is found to be near, it will automatically broadcast a reminder immediately like: the machine is dangerous, it is forbidden to approach

Mark out the alarm range and broadcast the warning tone automatically to avoid casualties caused by falling into the water Smart marketing, automatic broadcast of exhibits, combined with the local cultural cycle broadcast exhibition content overview



Construction Site

Storage

Gas Station
中国石化 SINO IC

Security of living quarters to drive away suspicious persons, identify fire hazards, and notify emergency, etc.

Safety production at the construction site is the most important. For violations, video screening is used to trigger automatic call or manual call from the monitoring center The warehouse park covers a wide range, the border crossing alarm, behavior analysis, fire identification and remote call are coordinated to complete security

Use video to identify potential hazards, and broadcast automatic voice alerts immediately if found; The same applies to other energy stations



| | UC380H | UC390 | Logitech BRIO | Jabra PANACAST 20 | Yealink UVC30 room | Nexigo N950 | Nexigo N950P | Nexigo N970P |
|------------------|--------------------------------|------------------------------|---|---|-----------------------------|--|--|---------------------------------------|
| lmage | difficus Asc. | (dispa | | (9) (9) Janes 1 | | MEXIGO PAR | NEXIGO 25X | #3000 ··· |
| Lens | 1/2.5 inch CMOS 8.29M pixel | 1/2.8 inch CMOS, 8M pixel | 13M pixel | 13M pixel | 1/2.5" CMOS, 8.51M pixel | 8.5M pixel | 1/2.8 inch SONY Starvis 8.5M pixel | 1/2.8 inch SONY Starvis 8.6M pixel |
| View angle | 120° | 110° | 82.1° | 90° | 120°(对角) | 90° | 90° | 83° |
| Digital zoom | No | No | 5x | Up to 3x lossless digital zoom at 720p | 3x | Up to 5x lossless digital zoom at 1440p | Up to 5x lossless digital zoom at 1080p@30fps | Up to 10x digital zoom at 4K@30fps |
| Video format | H.264/MJPEG/YUY2/NV12 | H.264/MJPEG/YUV | not mentioned | not mentioned | not mentioned | MJPEG/YUY2 | MJPEG/YUY2 | YUY2/MJPG/NV12/H. 264 |
| Build-in mic | 2 mic | 4 Units MEMS Microphone | 2mic | 3 mic | mic quantity not mentioned | dual linear array MEMS microphones | | Dual noise-canceling mics |
| Pick up distance | 6m | 4m | 1.22m | / | 2m | / | / | up to 20 feet (≈6m |
| Lens cover | No | Yes | Yes | No | No | Yes | Yes | Yes |
| Auto focus | No | No | Yes | No | No | No | No | No |
| Auto framing | Yes | Yes | No | Yes | Yes | No | No | Yes |
| Interface | 1 * USB3.0 Type-B | 1 * USB2.0 Type-C | USB3.0 Type-A (compatible with USB 2.0 and Type C1)) | 1 * USB3.0 Type-C | 1 * USB 3.0 | 1 * USB Type-A to Type C 1 * USB Type-C to Type C | 1 * USB Type-A to Type C 1 * USB Type-C to Type C | 1 x USB-B to USB-A Cable (3.0) |
| USB cable | 1.5m | 3m | 2.2m | 1.5m | 3m | / | / | 9.8feet (≈3m) |



| Appearance | VCS-C4B0 | BCC950 CCONNECT | | EVC300 | |
|--------------------|-------------------------------|-----------------|----------------|----------------|--|
| | di llure | | | | |
| FOV(H) | 100° | 70.42° | 82.1° | 90° | |
| Microphone | 4 Units MEMS mic+1 speaker | 1mic+1speaker | 1mic+1speaker | 1 mic+1speaker | |
| Pick-up distance | 4~6m(radius) | 1.8 (radius) | 3.6m(radius) | 4m | |
| Mic bandwidth | 140Hz ~20kHz | 200Hz - 8kHz | 140Hz – 16 kHz | 20Hz-15kHz | |
| Al Noise Reduction | Yes | No | No | No | |
| USB cable | 1.5m | 2.4m | 1.8m | | |



| Brand | Dahua | Logitech | Logitech | Clearone | JABRA | Yealink |
|------------------|-----------------------------------|-----------------------------------|--------------------|--------------------|--------------------|--------------------|
| Brand | VCS-C5A0 | MEET UP | Rally bar mini | Versa Media bar | PANACAST 50 | UVC40 |
| Appearance | | | | (Curios | - i | |
| Lens | 8.51MP,CMOS | 8MP CMOS | 8MP CMOS | 8MP CMOS | 8MP CMOS | 20MP CMOS |
| FOV(H) | 120°(D) 110° (H) +15°PTZ | 120° (D) 113° (H) | 120° (D) 113° (H) | 110° (H) | 180°(H) | 133°(D) |
| Zoom | 5× (digital) | 5×(digital) | 4×(digital) | 4× (digital) | 6x (digital) | 8 x (digital) |
| Resolution | 4K30fps | 4K30fps | 4K30fps | 4K30fps | 4K30fps | 4K@30fps |
| Video format | MJPEG: 4K@30fps YUV2: 2K@30fps | MJPEG 4K@30fps YUV 1080p@30fps | MJPEG | not mentioned | not mentioned | MJPEG 4K@30fps |
| Microphone | Beam Forming mic×4 | Beam Forming mic×3 | Beam Forming mic×6 | Beam Forming mic×4 | Beam Forming mic×8 | Beam Forming mic×8 |
| Pick-up diatance | 6m | 4m | 4m | 7.5m | not mentioned | 6m |
| Speakerphone | 8W | Support Speaker | Support Speaker | Support Speaker | Support Speaker | 5W |
| Bluetooth | Bluetooth 5.0 | √ | × | × | √ | × |
| Speaker tracking | √ | × | × | × | × | √ |
| Auto-Framing功能 | √ | √ | √ | √ | √ | √ |



| | VCS-MCA450 (small room) | VCS-MCA400 (Medium & Large Room) | HIKVISION DS-VS2U | Anker PowerConf A3301 | Jabra 510 | Poly Sync20 |
|------------------------------|----------------------------|--|----------------------|-----------------------------|-------------------|----------------|
| ID | 18 | | | | | |
| Voice pick up distance | 5m | 4m | 5m | 3-5m | 1.5m | 2m |
| Num of microphon e | 4 | 3 | 8 | 6 | 1 | 3 |
| Connectio n | Bluetooth+USB+N FC | Bluetooth+USB | USB | Bluetooth+US B | Bluetooth+U SB | Bluetooth+USB |
| Bluetooth Version | 5.1 | 4.0+EDR | _ | 5.0 | 3.0 | 5.1 |
| Battery | 2000mAh | 2200mAh | 3700mAh | 6700mAh | | 3200 mAh |

Mic & Speaker-Product Comparison



| Philips PSE0500 | thinkplus pocket | Yealink CP700 | Yealink CP900 |
|--------------------|---------------------|------------------|------------------|
| POLY SYNC 20 | PHILIPS | | |
| 4~6m | 1.5m | 1.5m | 2m |
| 4 | 2~3 | 1 | 6 |
| Bluetooth +USB | Bluetooth+USB | Bluetooth +USB | Bluetooth +USB |
| | 5.0 | 5.0 | 4.0 |
| | _ | 1420mAh | 2450mAh |