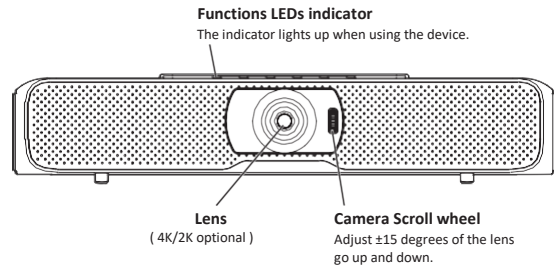


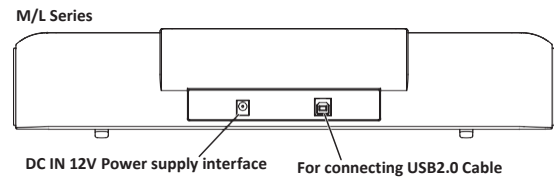
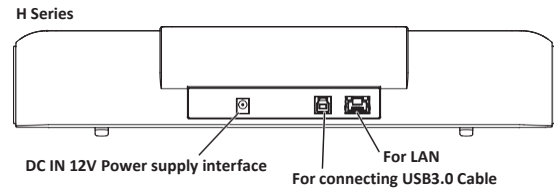
## Video Conference Camera with Expansion Microphone(s)

### Controls and Functions

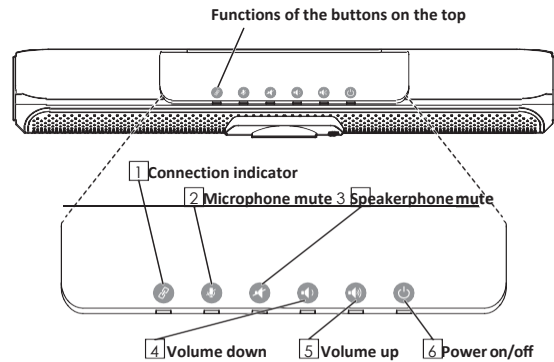
#### < Front View >



#### < Rear View >

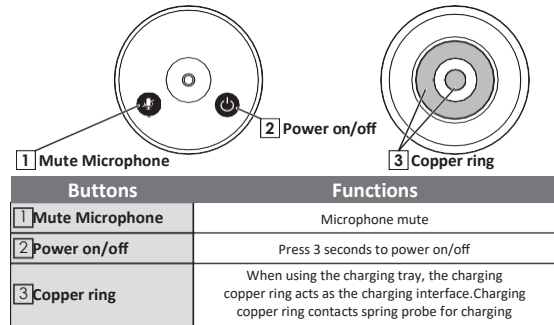


#### < Top View >



| Buttons                | Indicator status                                                     | Functions                                                   |
|------------------------|----------------------------------------------------------------------|-------------------------------------------------------------|
| 1 Connection indicator | Orange LED lights<br>Blue LED flashes                                | Connected to PC successfully via USB<br>Disconnected        |
| 2 Microphone mute      | Orange LED lights                                                    | All the mics mute                                           |
| 3 Speakerphone mute    | Orange LED lights                                                    | Speakerphone mute                                           |
| 4 Volume down          | Blue LEDs decrease progressively<br>Blue LEDs increase progressively | Volume down                                                 |
| 5 Volume up            | Blue LEDs decrease progressively<br>Blue LEDs increase progressively | Volume up                                                   |
| 6 Power on/off         | Blue LED lights<br>Blue LED off                                      | Press 3 seconds to power on<br>Press 3 seconds to power off |

#### < Wireless Expansion Microphones.Top View(left), bottom View(right) >



#### Expansion mics indicators

| Indicator status  | Working status of the expansion mic |
|-------------------|-------------------------------------|
| Blue LED lights   | Expansion mic connected             |
| Blue LED flashes  | Expansion mic disconnected          |
| Red LED lights    | Microphone mute or is charging      |
| Red LED flashes   | Low battery                         |
| Purple LED lights | Expansion mic full charged          |

#### Battery info

|               | Battery | Charging time | Standby time | Working time |
|---------------|---------|---------------|--------------|--------------|
| Expansion mic | 800mAh  | 1 hours       | 6 months     | 8 hours      |

### Notes-Tips

1) High-end, mid-end and low-end configuration optional, support standard UVC protocol.

|                 | H Series         | M Series         | L Series                |
|-----------------|------------------|------------------|-------------------------|
| Lens            | 4K               | 4K               | 2K                      |
| EPTZ            | 4x               | 2x               | 3x                      |
| HOV             | 110°             | 87°              | 105.6°                  |
| Effective pixel | 8.0 Megapixel    | 8.0 Megapixel    | 2.0 Megapixel           |
| Sensor          | 1/2.5" SONY CMOS | 1/2.5" SONY CMOS | 1/2.8" SONY CMOS        |
| Interface       | USB3.0, LAN      | USB2.0           | USB2.0                  |
| Other           | Auto-Framing(AI) | /                | Picture in Picture(PIP) |

2) The audio output of this device use the same USB interface with video and supports the standard UAC protocol. All the software which supports the UAC protocol can collect the audio of this device.

3) Daisy-chain max up to 3 wireless expansion microphones connect to main unit via RF2.4G transmission. Each expansion microphone provides 3 meters pick up range. To ensure the call quality and echo cancellation effect, please do not move the expansion microphone after placing it on the table. At the same time, expansion microphones need a distance at least 1 meter from the speaker.

4) The main unit has an internal auxiliary microphone for emergency use when the expansion mics are out of power. Expansion mics are recommended for the best call experience. When any expansion mic is turned on, the internal mic will be automatically disabled.

### Combination KeyFunction

1) Chinese and English switching

Press and hold for 5 seconds to switch prompt tone between Chinese and English.

2) Prompt tone ON/OFF

Prompt tone is turned on by default. Press and hold for 5 seconds to turn ON/OFF.

3) Enable or disable the internal microphone

Press and hold for 5 seconds to enable or disable the internal mic

4) Remote upgrade mode

(This function needs the support of the manufacturer, please do not use it under normal circumstances)

Press and hold for 5 seconds to enter remote upgrade mode, only the orange indicator of Power button lights.

Press and hold for 5 seconds to exit the upgrade mode.

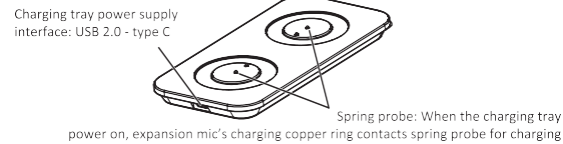
### Pairing WirelessMicrophones

Turn on the expansion microphone, the indicator light flashes blue. Press the microphone mute button , and the indicator light turns red. Put the expansion microphone close to the main unit. Press and hold the microphone mute button for 10 seconds. After the indicator light stops flashing, the wireless microphone is successfully paired.

### Music Mode

Press the microphone mute button of the main unit, then all the microphones are disabled. Now only the speaker works and enters the music mode, and it is the stereo play mode.

### Charging tray



### What is content in package ?

- 1) Video conference camera \* 1
- 2) User's manual \* 1
- 3) Expansion mics \* 1-3
- 4) Charging tray \* 1-2
- 5) Bracket and screws \* 1
- 6) USB 3.0 cable 3M (H Series) \* 1
- 7) USB 2.0 cable 5M (M/L Series) \* 1
- 8) Power supply of the camera \* 1
- 9) Power supply of the charging tray \* 1-2
- 10) USB - type C cable \* 1-2
- 11) Remote control (no battery) \* 1

### Remote control's functions

| Buttons                  | Functions                                                               |
|--------------------------|-------------------------------------------------------------------------|
| 1 Power on/off           | Power on/off                                                            |
| 2 Zoom out               | Camera zoom out                                                         |
| 3 Zoom in                | Camera zoom in                                                          |
| 4 Camera functions' menu | Camera functions' menu (center)<br>EPTZ control (up, down, left, right) |
| 5 Microphone mute        | Microphone mute                                                         |
| 6 Speakerphone mute      | Speakerphone mute                                                       |
| 7 Volume up/down         | "+" volume up; "-" volume down                                          |

Note: If the remote control is not available, maybe the batteries ran out. Please change the new batteries(AAA\*2pcs) .

### Auto-Framing(H SeriesOnly)

H Series support Auto-Framing camera control, automatically moves the lens and adjusts the zoom to comfortably frame meeting participants in rooms of all shapes and sizes.

1 Press "Camera functions menu" (center), select " Setup"

|                 |    |
|-----------------|----|
| MENU            |    |
| =====           |    |
| Exposure        | -> |
| Color           | -> |
| Image           | -> |
| >> Setup        | -> |
| Info            | -> |
| Restore Default | -> |

2 Select " AI Function" to "ON", Auto-Framing function turns on. AI "Refresh Freq" is adjustable "Low/Mid/High".

|                |         |
|----------------|---------|
| SETUP          |         |
| =====          |         |
| Language       | English |
| Pan Speed      | 20      |
| Tilt Speed     | 20      |
| Zoom Limit     | X4      |
| Zoom Speed     | 10      |
| >> AI Function | ON      |
| Refresh Freq   | High    |

### Picture in Picture(PIP) (L Series Only)

L Series support Picture in Picture(PIP) function, while EPTZ zooms in close-up, users can view the panorama through the small picture-in-picture window.

1 Press "Camera functions menu"(center), select "Image"

### Image Setup

|             |             |
|-------------|-------------|
| Exposure    | ->          |
| Color       | ->          |
| Image       | ->          |
| Information | ->          |
| Language/语言 | English(英文) |
| Exit        | <-          |

2 Select "PIP" to "On", Picture in Picture function turns on, users can see small picture-in-picture window at the bottom of right.

### Image

|            |         |
|------------|---------|
| Image Flip | Off     |
| Frame      | 30      |
| DRC        | Noamral |
| PIP        | < On >  |
| Back       | <-      |

### Installation instruction

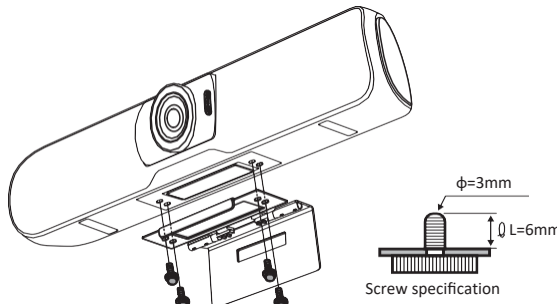
#### 1 Desktop installation

Put the device on the table or screen and make sure the horizontal installation.



#### 2 Bracket installation

Screw the bracket to the screw hole at the bottom of the device and tighten it. Then the user can install a bracket at the bottom of the device. The screws of the bracket must meet the following specifications.

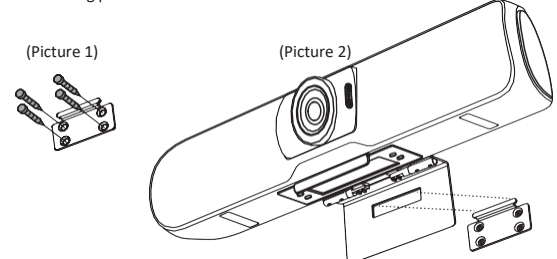


Note:

- 1) The bracket must be installed on the flat surface.
- 2) The screws on the bracket of the video conference camera can't be used on the higher place, just like the ceiling mount or partition mount.

#### 3 Wall mount

- 1) Install the bracket at the bottom of the camera according to the 2 Bracket installation .
- 2) Screw the bracket on the wall, refer to the following picture 1.
- 3) Fasten the camera with bottom bracket on the wall mount, refer to the following picture 2.



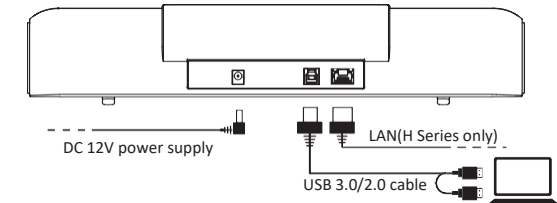
Note:

- 3) The wall mounted bracket must be flat
- 4) The wall bracket is used in conjunction with the bracket. The device must install the bracket

### Connect to the computer

1 Connect the 12V power supply to the camera.

Connect the standard USB cable with the camera and computer or other host computer. Refer to the following picture:



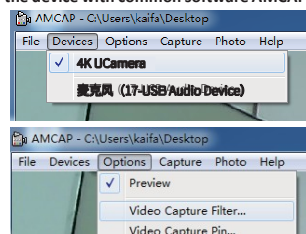
### Video instruction

This device output video through USB. And it supports standard UVC protocol. All the software which support the UVC protocol can collect the video of this device.

1) Demonstrate the video usage of the device with common software AMCAP.

1 Open the AMCAP (available in the CD) and click the Devices.

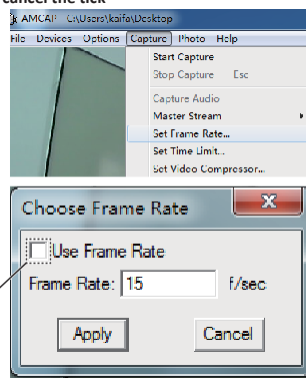
Then choose the 4KUCamera (or the similar option)



2 Click the Options and choose Preview. Then the user can preview the video. Refer to the right picture.

2) If the frame rate is not enough, the user can check whether the " Use Frame Rate" is ticked off. If yes, please cancel the tick

1 Click the Capture and then choose Set Frame Rate

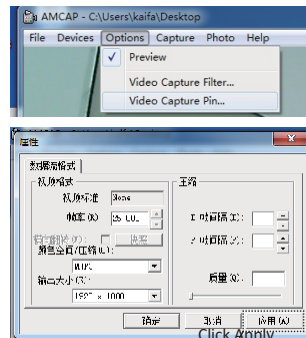


2 In Choose Frame Rate, check whether the "Use Frame Rate" is ticked off. If yes, please cancel the tick. And then click the Apply

Cancel the tick in the frame

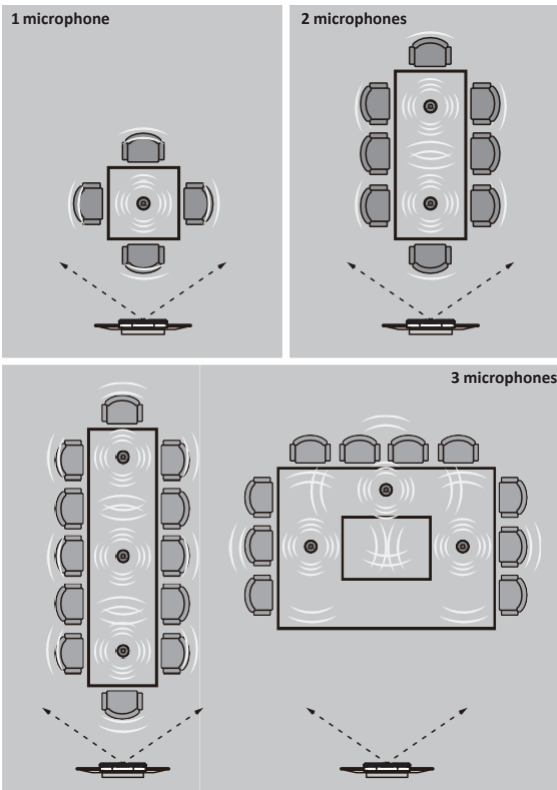
3) Change the different resolution and frame.

1 Click the Options and choose Video Capture Pin...,



### How is working in meeting rooms ?

- 1 H Series HOV : 110°
- 2 M Series HOV: 87°
- 3 L Series HOV: 105.6°



### **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

### **FCC Radiation Exposure Statement:**

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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