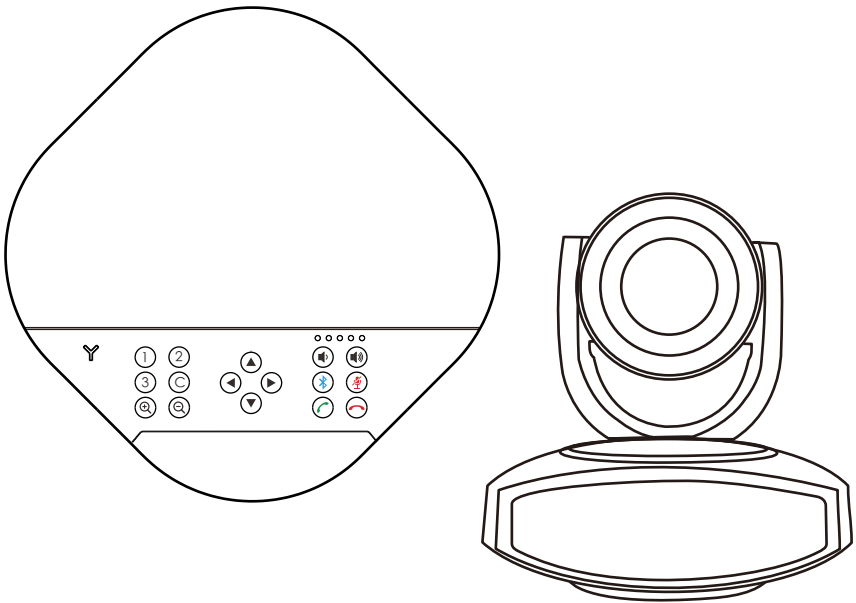




ALL IN ONE

Video Conference System



BG-AIOE-KIT

Attention

This manual introduces the functions, installation and operations for BG-AIOE-KIT video conferencing room solution in details. Please read this manual carefully before installation and use.

1.How to Use

1.1 Do not expose the product to rain or moisture.

1.2 To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.

1.3 Do not use the product beyond the specified temperature, humidity or power supply specifications.

1.4 Wipe it with a soft, dry cloth when cleaning the camera lens. Wipe it gently with a mild detergent if needed. Do not use strong or corrosive detergents to avoid scratching the lens and affecting the image.

2.Electrical Safety

Installation and use of this product must strictly comply with local electrical safety standards.

3.Handle with care

Avoid damage to the product caused by heavy pressure, strong vibration or immersion during transportation, storage and installation.

4.Install with Caution

4.1 Do not rotate the camera head violently, otherwise it may cause mechanical failure;

4.2 This product should be placed on a stable desktop or other horizontal surface. Do not install the product obliquely, otherwise it may display inclined image;

4.3 Housing of this product is made of organic materials. Do not expose it to any liquid, gas or solids which may corrode the shell;

4.4 Ensure there are no obstacles within rotation range of the holder;

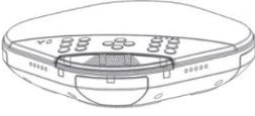
4.5 Do not power on before completing installation.

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1.Packing Contents

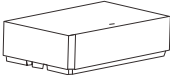
1



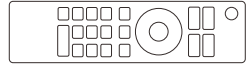
2



3



4



5



6



7



1.Speakerphone

2.HD ptz camera

3.Hub

4.Remote control

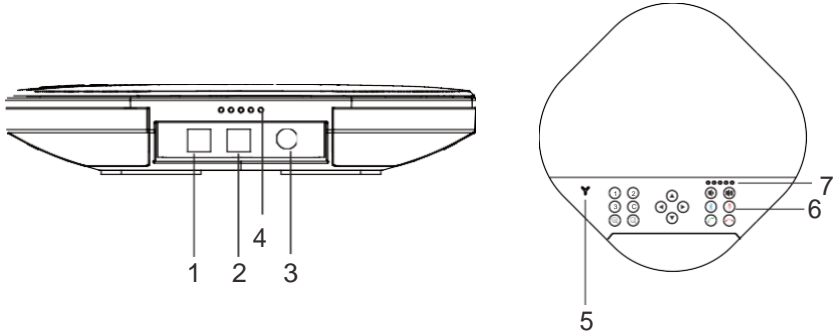
5.5m din6 cable * 2 pcs

6. 3m usb cable *1 pcs

7. Power supply

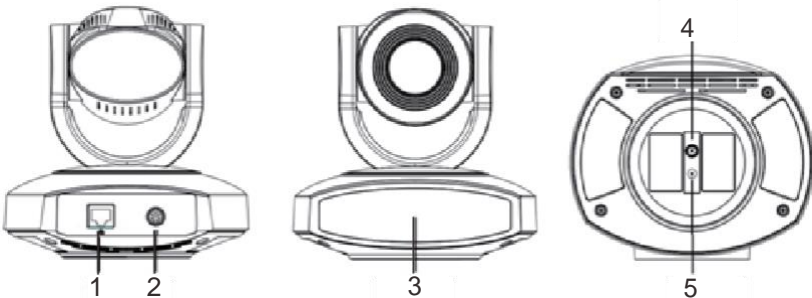
2. Product Overview

2.1 Speakerphone



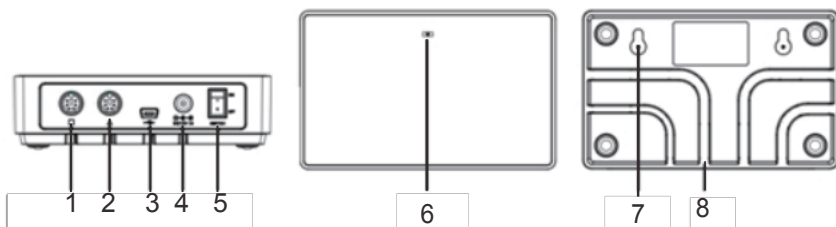
- 1.Optional expansion microphone port 1
- 2.Optional expansion microphone port 2
- 3.Din6 cable port
- 4.Led Status indicator
- 5.Bluetooth/power indicator
- 6.Function keys
- 7.Volume indicator

2.2 HD PTZ Camera



1. LAN (Upgrade and maintenance)
2. DIN6 Cable port
3. Power and infrared receiving indicator
4. Bracket mounting screw hole
5. Bracket mounting positioning hole

2.3 Hub



1. DIN6 Cable port
2. DIN6 Cable port
3. Mini USB port
4. Power port
5. Power switch
7. Screw holes

6. Power indicator
8. Wire slot

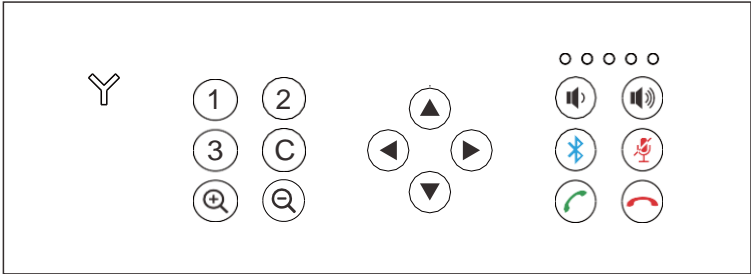
3.Keys Description

3.1 About Remote control



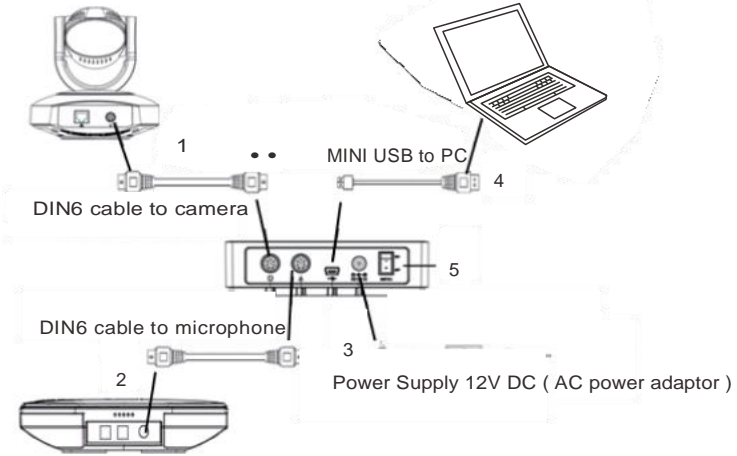
- 1: Power/standby
- 2: Zoom in
- 3: Zoom out
- 4: Volume up
- 5: Volume down
- 6: Pan/Tilt
- 7: HOME (Camera Zero position)
- 8: Mute microphone
- 9: Pick up
- 10: Hang up
- 11: 0-9 Camera presets
- 12: Reserved (for future functions)

3.2 About Speakerphone



	Presets button	Those keys represent the camera's preset positions 1, 2 and 3 respectively
	Remote control button	The Camera Zero position
	Zoom in/out	The camera zooms in/out
	Camera pan/tilt	Control the direction of the camera: up, down, left, right.
	Volume button	Press to Volume up/down button
	Bluetooth button	Bluetooth pairing
	Answer call	Press to Answer call
	End call	Press to End call
	Mute microphone	Press to Mute microphone button
	Echo cancellation	Press the three buttons at the same time to enter the echo cancellation mode; blue led flash 3 times. Press again while the blue light flashing 2 times to exit this mode

4. Connection Description



BG-AIOE-KIT can be connected to computer, hardware video devices and system via the Hub USB.

Connection steps:


1. Connect the camera and hub with the original DIN6 data cable.
2. Connect the speakerphone and hub with the original DIN6 data cable.
3. Connect the power supply equipment with the original power adaptor.
4. Connect the USB cable to the USB port of the computer and video conference system, and connect the other end to the USB socket of the hub.
5. Confirm the connection was confirmed correctly, and turn on the power switch. Turn on the conference software till the speakerphone and Camera complete self-checking. Select the corresponding Camera, microphone and speaker driver to start the audio and video conference with the device.

Set up references for PC and video devices in USB call mode:

1. Please adjust the volume of horns and microphones comprehensively to ensure the communication is clear and smooth.
 2. Don't turn on automatic gain of the speaker and microphone.
 3. Give priority to turning off the audio processing functions of the computer software/video software (such as automatic gain, echo cancellation, noise reduction etc.).
- Please use higher quality speech coding as far as possible.

5. About Bluetooth Pairing

Audio call with Bluetooth

1. Press . Y Bluetooth indicator flashes meaning the microphone has entered Bluetooth pairing mode.
2. Place the mobile device in Bluetooth search mode and select “BG-AIOE-KIT”. After the Bluetooth connected, the indicator is blue. Now you can use the microphone for audio calls.

Note: If pairing fails, please restart Bluetooth and try again.

6. Indicator Status

Indicator Status	Blue LED light	USB connection
	Red LED light	Microphone mute status
Volume indicator	Green LED on	The higher the volume, the more lights on
	Red LED on	horn mute
Bluetooth indicator	Y type blue light	1. Turn on the Bluetooth, the green light flashes 2. Bluetooth connection green light is always on

7. About presets

How to save presets

Adjust the camera to desired position. Press and hold the preset button for 5 seconds. The corresponding preset position is set successfully.

Note: 10 preset positions (0-9) can be set on the remote control; 3 preset positions (1-3) available for the speakerphone. The preset 0 is the power-on preset position.

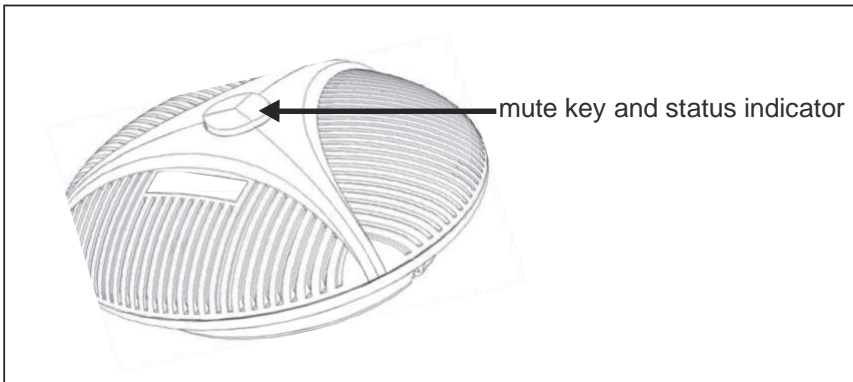
How to use preset position:

Short press the preset button to call the corresponding preset position (Note: the number key is invalid if it's not preset).

8.The installation and use of expansion mics (optional)

Used for important and larger conferences.

1. Connect one end of a 4p4c cable (2.5m) to the socket of the expansion microphone, and the other end to the EXT1 of the Omni directional microphone.
2. Connect one end of a 4p4c cable (2.5m) to the socket of the expansion microphone, and the other end to the EXT2 of the omnidirectional microphone.
3. There are mute key and status led indicator on the expansion microphone. Green indicator means working normally and red indicator mute key and status LED indicator means microphone mute.



Note:

Please plug and unplug the expansion microphones without power to protect them.

6. Technical Specifications

Model NO.	HD PTZ Camera
Sensor	1/2.8-inch high quality HD CMOS sensor
Effective Pixels	2.07M, 16:9
Video Format	176x144/320x240/320x180/352x288/640x480/ 720x480/720x576/640x360/800X600/960X540/ 1024X576/1024X768/1280X720/ 1920X1080P30/25/20/15/10/5
Optical zoom lens	10x optical zoom, f = 4.7 ~ 47mm
Digital zoom	X10
View angle	20° (tele) 83.7° (wide)
Aperture value	F1.8 – F2.8
Minimum Illumination	0.5Lux(F1.8, AGC ON)
DNR	2D & 3D DNR
White Balance	Auto / Manual/ One Push/3000K/3500K/4000K/ 4500K/5000K/5500K/6000K/6500K/7000K
Focus	Auto/Manual/One Push
Aperture/Electronic Shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/ Dynamic level adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB
Rotation angle	Pan: -125° ~ +125°, Tilt: -30° ~ +30°
Control speed	Pan: 0.1 ~ 65°/sec, Tilt: 0.1 ~ 35°/sec
Preset speed	Pan: 65°/sec, Tilt: 35°/sec
Dimensions	151.64mm×131.25mm×154.5mm (L×W×H)

Model NO.	Speakerphone
Voice technical parameters	Acoustic Echo cancellation (AEC):>65dB Echo length cancellation: ≥500ms Bidirectional noise compression(NC):<25dB Automatic Direction finding Technology of Intelligent microphone(EMI0 Automatic gain control (AGC)
Audio parameters	Microphone frequency response:100Hz-22KHz Speaker frequency response:100Hz-22KHz Speaker volume:95dB at the most Microphone sound-pickup diameter: 6 meters, 360 degrees full range
Bluetooth	Bluetooth devices available
IR Reception	Angle: 360° Distance: 10m IR Transparent transmission available
Expansion Mics (optional)	2 optional external microphones makes the sound-pickup range up to 10 m(33ft)
Dimensions	180mm×180mm×42mm(L×W×H)

Model NO.	Hub
Interface	Mini DIN6 × 2 Power interface × 1 Power switch × 1 Mini USB interface × 1
Power supply	EC3800 plug (DC12V) Adapter input AC110V-AC220V, output DC12V/1.5A
Connection Cable	Mini DIN6 data line × 2 Length: 5m (10m/15m for options)
USB cable	USB2.0 cable
Compatibility	Support Windows, Android, iOS and Linux Compatible with Zoom, Lynch, Vidyo, Skype for business and etc.
Dimensions	100mm×62mm×27mm(L×W×H)

Accessories

Power adapter, USB2.0 cable,
remote controller, 2 connection cables,
user manual

Warranty

BZBGear wants to assure you peace of mind. All BZBGear cameras and camera-related products include our Stress-Free Three-Year Warranty.

For complete warranty information, please visit BZBGear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Mission Statement

BZBGear manifests from the competitive nature of the audiovisual industry to innovate while keeping the customer in mind. AV solutions can cost a pretty penny, and new technology only adds to it. We believe everyone deserves to see, hear, and feel the advancements made in today's AV world without having to break the bank. BZBGear is the solution for small to medium-sized applications requiring the latest professional products in AV.

We live in a DIY era where resources are abundant on the internet. With that in mind, our team offers system design consultation and expert tech support seven days a week for the products in our BZBGear catalog. You'll notice comparably lower prices with BZBGear solutions, but the quality of the products is on par with the top brands in the industry. The unparalleled support from our team is our way of showing we care for every one of our customers. Whether you're an integrator, home theater enthusiast, or a do-it-yourselfer, BZBGear offers the solutions to allow you to focus on your project and not your budget.

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