



Prestel VA-PTZ103U2

Audio-video Conferencing Room Solution



USER MANUAL

Attentions

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

1. How to Use

To prevent damage to this product or any product connected to it, this product can only be used within the specified range.

- 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 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 completely installation.

5. Do not Disassemble the Product without Permission

This product contains no parts which can be maintained by users themselves. Any damage caused by dismantling the product by user without permission is not covered by warranty.

6. Magnetic Interference

Electromagnetic fields at specific frequencies may affect the image. This product is Class A. It may cause radio interference in household application. Appropriate measure is required.

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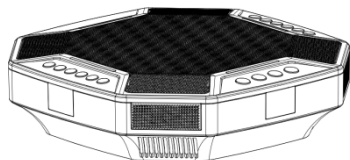
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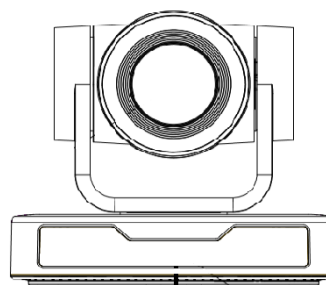
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1. Packing Contents

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1. Speakerphone

2. HD PTZ Camera

3. Hub

4. Remote Control

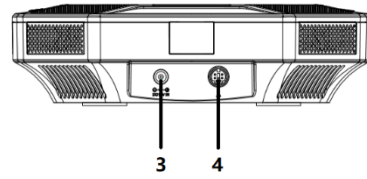
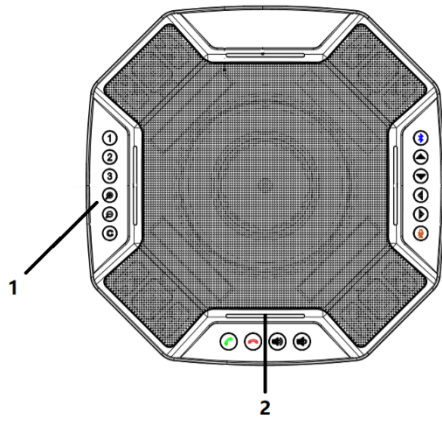
5. 5m DIN6 Cable * 2 pcs

6. 3m USB cable *1 pcs

7. Power Supply

2. Product Overview

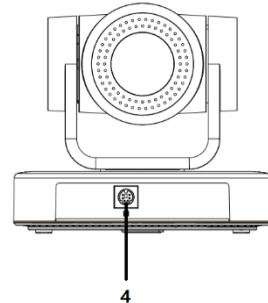
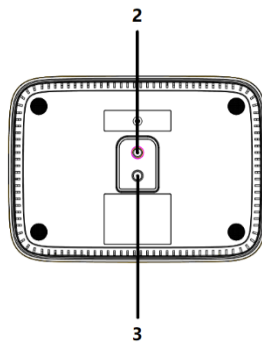
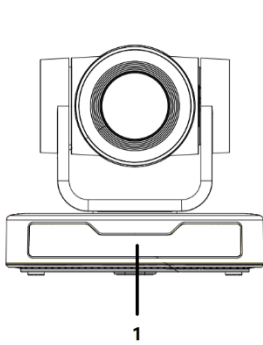
2.1 Speakerphone



- 1. Function keys
- 3. Power interface

- 2. Status indicator
- 4. DIN6 cable port

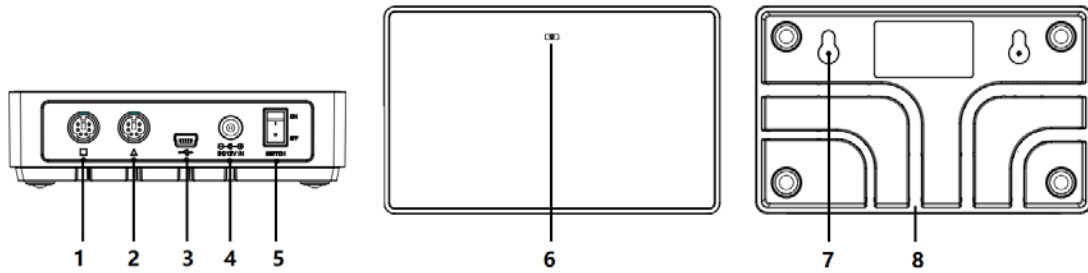
2.2 HD PTZ Camera



- 1. Power and infrared receiving indicator
- 3. Bracket mounting positioning hole

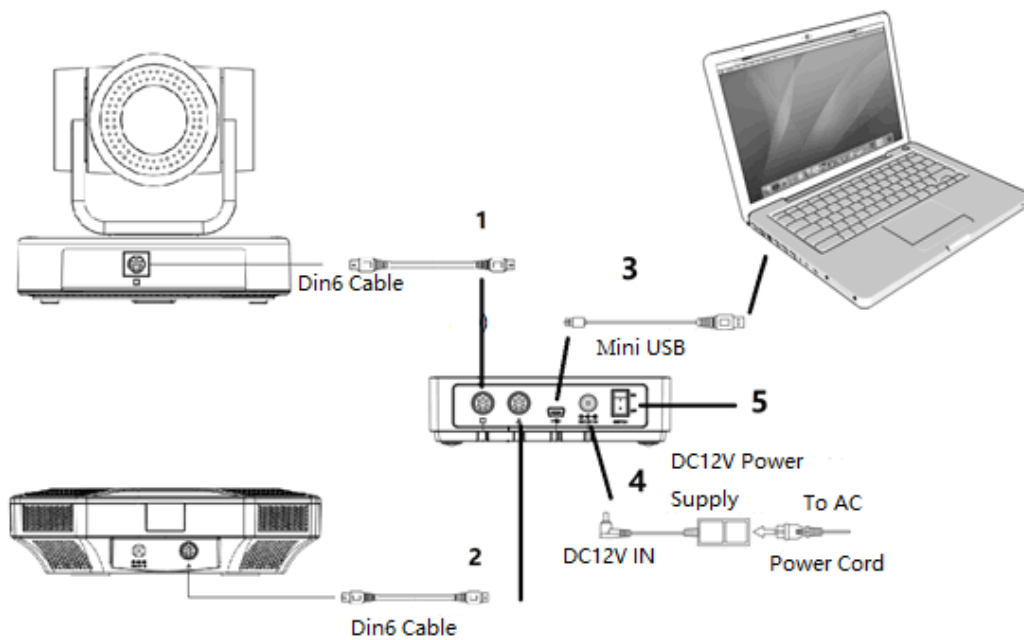
- 2. Bracket mounting screw holes
- 4. DIN6 Cable port

2.3 Hub



- | | |
|--------------------|--------------------|
| 1. DIN6 Cable port | 5. Power switch |
| 2. DIN6 Cable port | 6. Power indicator |
| 3. Mini USB port | 7. Screw holes |
| 4. Power port | 8. Wire slot |

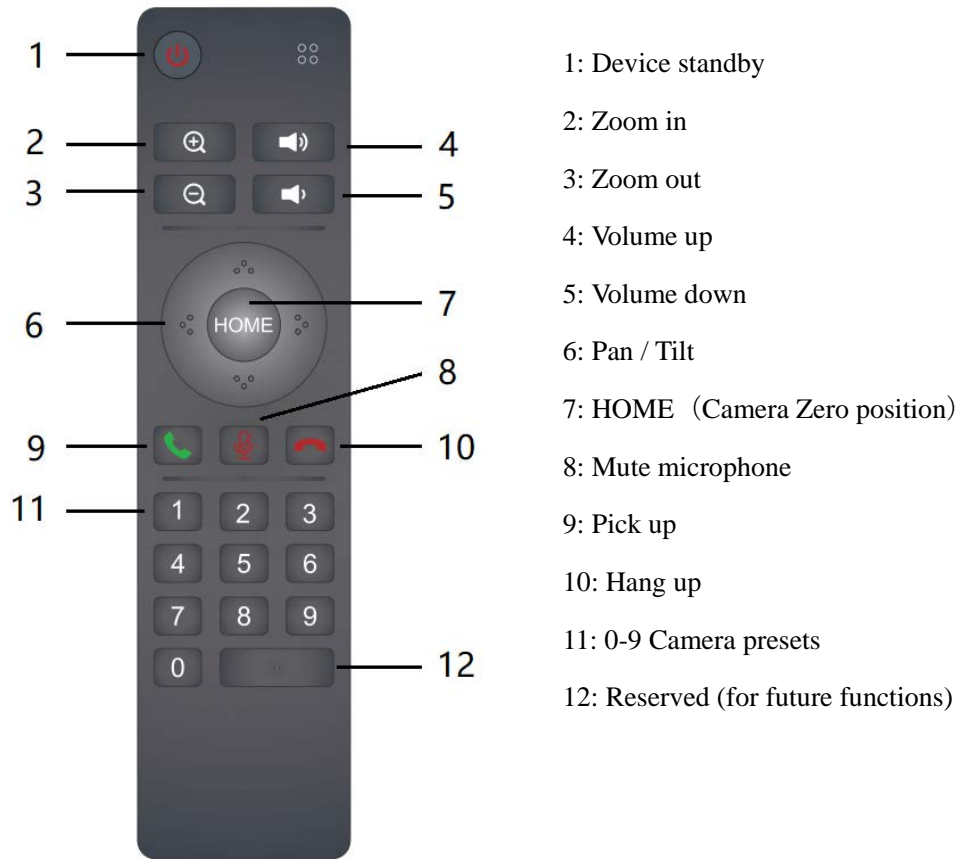
3. Connection Description



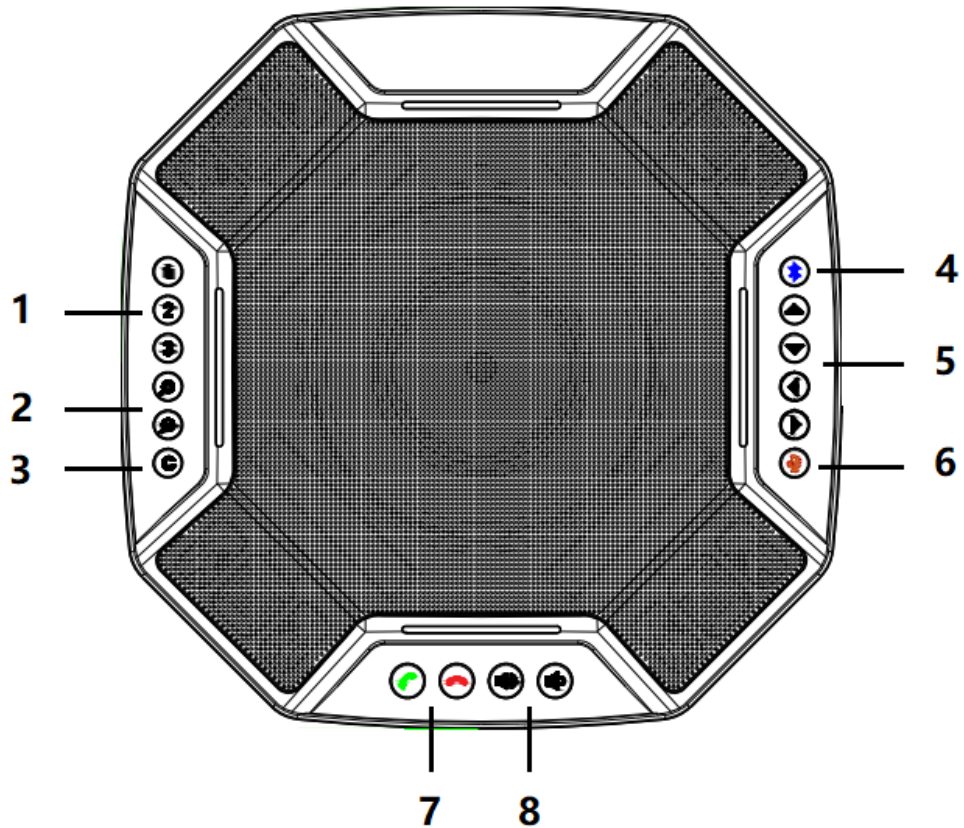
1. Connect camera and hub with original DIN6 data cable
2. Connect the speakerphone and hub with original DIN6 data cable
3. Connect the computer to the hub with the original USB cable
4. Connect with the original power adapter and power supply
5. Switch to power on

4. Keys Description

4.1 Keys Description of Remote Control



4.2 Keys Description of Speakerphone



- | | |
|-------------------------|----------------------------|
| 1. 1-3 Presets | 2. Zoom in / Zoom out |
| 3. Camera Zero position | 4. Bluetooth pairing |
| 5. Camera pan / tilt | 6. Mute microphone |
| 7. Pick up / Hang up | 8. Volume up / volume down |

5. Bluetooth Pairing

Once paired with a Bluetooth device, you can use the speakerphone for audio call.

To pair your Bluetooth device with the speakerphone, follow steps below:

1. Press and hold the Bluetooth pairing button until the status indicator flashes blue light. The speakerphone is under Bluetooth pairing mode.
2. Search with your Bluetooth device and connect.

6. Preset

How to save preset:

Adjust the camera to the position that needs to be preset. 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);

7. 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	1920×1080P@30fps/25fps;1280×720P@30fps/25fps; 1024×576P@30fps/25fps;960×540P@30fps/25fps; 800×448P@30fps/25fps;640×360P@30fps/25fps; 320×176P@30fps/25fps	
Optical Zoom lens	3X Optical Zoom; f=3.35mm~10.05mm	10X Optical Zoom; f=4.34mm~41.66mm
View angle	30° (tele) ;85° (wide)	8.8° (tele) ;68.8° (wide)
Aperture	F1.7 – F3.0	F1.85 – F2.43
Digital Zoom	10X	
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	> 50dB
Rotation angle	Pan:-170°~ +170°;Tilt: -30°~ +30°
Control speed	Pan: 0.1 ~ 60°/s;Tilt: 0.1 ~ 30°/s
Preset speed	Pan: 60°/s;Tilt: 30°/s
Dimension	156.8mm×112.6mm×139.1mm (L×W×H)

Model NO.	Speakerphone
Voice technical parameters	Acoustic Echo cancellation (AEC) : >65dB Echo length cancellation : ≥400ms Bidirectional noise compression (NC) : <25dB Automatic Direction finding Technology of Intelligent microphone (EMI) 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
Dimension	200mm×200mm×55.9mm(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/2.5A
Data cable	Mini DIN6 cable ×2; Length: 5m

USB cable	USB2.0 cable; Length: 3m
Compatibility	Support Windows, Android, iOS and Linux; Drive-free automatic recognition of cameras, microphones and speakers; Compatible with Zoom, Lynch, Vidyo, and etc.
Dimension	120mm×74mm×34.5mm(L×W×H)
Accessories	Power adapter, USB2.0 cable, Remote controller, DIN6 cable ×2, User manual