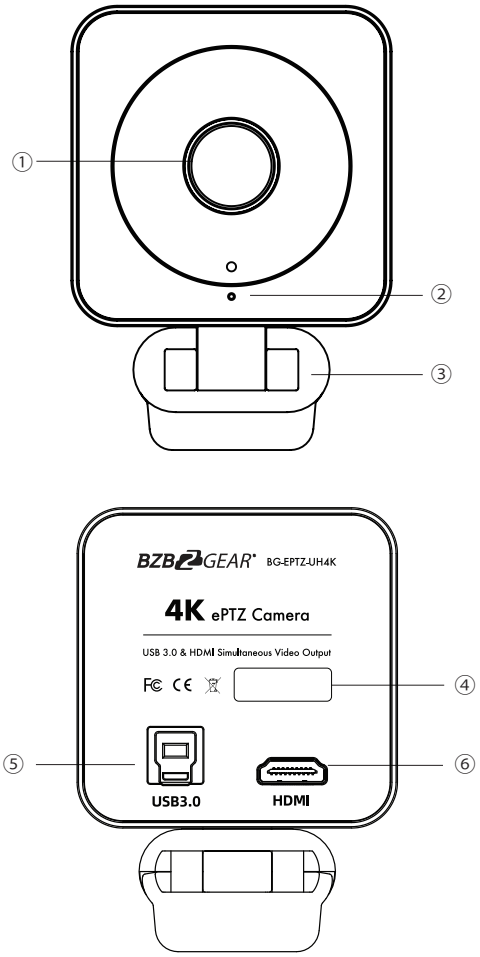
BZBGEAR®

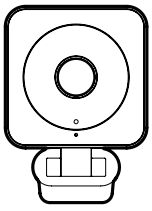
4K Audio Integrated All-in-One ePTZ Camera User Manual

1 Camera Interface



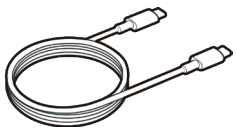
No.	Description	No.	Description
1	Lens	4	Product Label
2	Array Microphone	5	USB 3.0 Interface
3	Brackets with Damper	6	HDMI 2.0 Interface

2 Packing Box



ePTZ Camera × 1

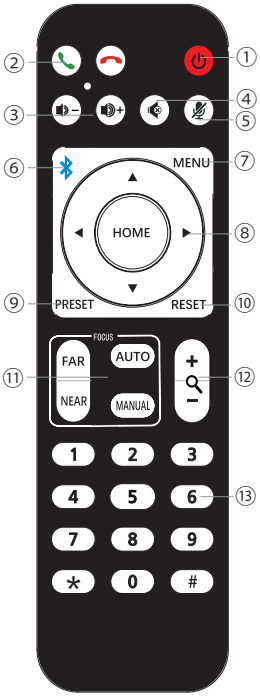
IR Remote Control × 1



USB 3.0 Cable × 1

User Manual × 1

3 Remote Control Specification



No.	Key	Function
1	Power Key	After pressing, the camera enters standby mode
2	Answer/ Hang up Key	Answer/Hang up the call*
3	Volume Key	Speaker volume reduce or increase*
4	Speaker Mute Key	Turn on/off Speaker Mute*
5	Mic Mute Key	Turn on/off Mic Mute
6	Bluetooth Key	Turn on/off Mic Bluetooth*
7	Menu Key	Enter/Exist Menu
8	Camera PTZ Control Key	Press HOME button, the camera return to the middle position
9	Preset Setting Key	Press "Preset"+Number(1-9) to save the corresponding Preset
10	Preset Reset Key	Press "Reset"+Number(1-9) to reset the corresponding Preset
11	Focus Key	[AUTO]:Automatic focus [MANUAL]: Manual focus [FAR]: Manual focus, make the far object clearer [NEAR]: Manual focus, make the near object clearer
12	Zoom Key	[+]means increase [-]mean decrease
13	Number Key	Cooperate with setting / calling Preset

**NOTE: Features not available on the BG-EPTZ-UH4K.*

4 Specification

Camera

Video System	Sony 1/2.5" CMOS	Min Illumination	0.02Lux @ F1.8, AGC ON
Effective Pixel	4K@3820*2160	Digital Noise Reduce	2D, 3D
Zoom	4X Digital Zoom @1080P	Shutter	1/30s ~ 1/10000s
Lens	F=2.8mm FOV 130°	Auto Focus	Support
White Balance	Auto / Indoor /Outdoor/ ONE PUSH, Manual		

USB Function

Video Output	4K@30,25fps; 1080p@30,25fps; 1080i@60,50,30,25fps; 720p@60,50fps
Encoding	H.265 / H.264 / MJPEG
UVC Protocol	Support
Video	UVC1.0 - UVC1.5

Audio Function

Built-in	YES
Audio	USB 3.0
Voice Pickup Range	8Meters

HDMI Interface

Video Output	4K@30,25fps; 1080p@30,25fps; 1080i@60,50,30,25fps; 720p@60,50fps	
Encoding	H.265 / H.264 / MJPEG	
Audio Output	N/A	
ePTZ	Support, 4X Digital Zoom @1080P	
Interface	USB 3.0 Type B Female	Compatible with all interfaces below USB3.0, support video, control, power supply, audio input and output
	HDMI 2.0	Compatible with HDMI 2.0, 1.4, 1.3A, 1.3 and other interfaces, only supports video transmission

Dome Parameter

Input Voltage	5V (USB 3.0)
Operation Temperature	-10° - +50°（14）
Storage Temperature	-40° ~ 60°
MTBF	50000 hours
Camera Brackets	Brackets with Damper, Support ±30° adjustment
Dimensions (L*W*H)	70*70*56mm (Bracket not included）

5 Precaution

Electrical Safety

Confirm country and local electrical safety standard when using or installing the product. The product itself has no power switch. Please stop power supply or unplug from socket when it is not in working well. Video wire and control wire should be insulated and individually connected; cannot mix with other wires.

Transportation with Care

Product should be protected against extremes of stress, vibration and moisture in transport, storage and installation. It is transported by integrated packing style.

Power Supply

Product supplies USB3.0 power.

Installation with Care

Don't turn camera head manually. Doing so may result in mechanical damage.

Product should be put on stable horizontal table, and should not be installed at a tilt as it may cause a tilted image.

Don't focus the camera directly into the sun or other bright objects. Otherwise,it may affect image quality.

Don't apply corrosive liquid, gas or solid, to avoid damaging the cover which is made up of plastic material.

Make sure there is no obstacle with the camera's rotational range when installing.

Never power on before installation has been completed.

Prohibited Unauthorized Disassemble

Don’t disassemble the camera voluntarily as this will void the warranty. BZBGEAR is not responsible for any unauthorized modification or dismantling.

6 FAQ

Image aspect

- No image displayed

1) Check the USB3.0 Cable to see if it is connected to your device correctly. Check that the Power Indication light is green.
2) Check that the Video Format meets your TV/Monitor or Display requirements.
3) Check that the USB Port and USB Cable of the terminal device are connected correctly or whether this device is recognized.

- The image breaks frequently

Check that the USB port and USB cable of the terminal device are connected correctly.

- The definition is not good after accessing software

Check the software video input settings to see if the camera video input is set to 1920 * 1080.

Control aspect

- Remote control doesn’t work

1) Check and replace the batteries.

2) Check if the camera working mode is correct.

8 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.

9 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.