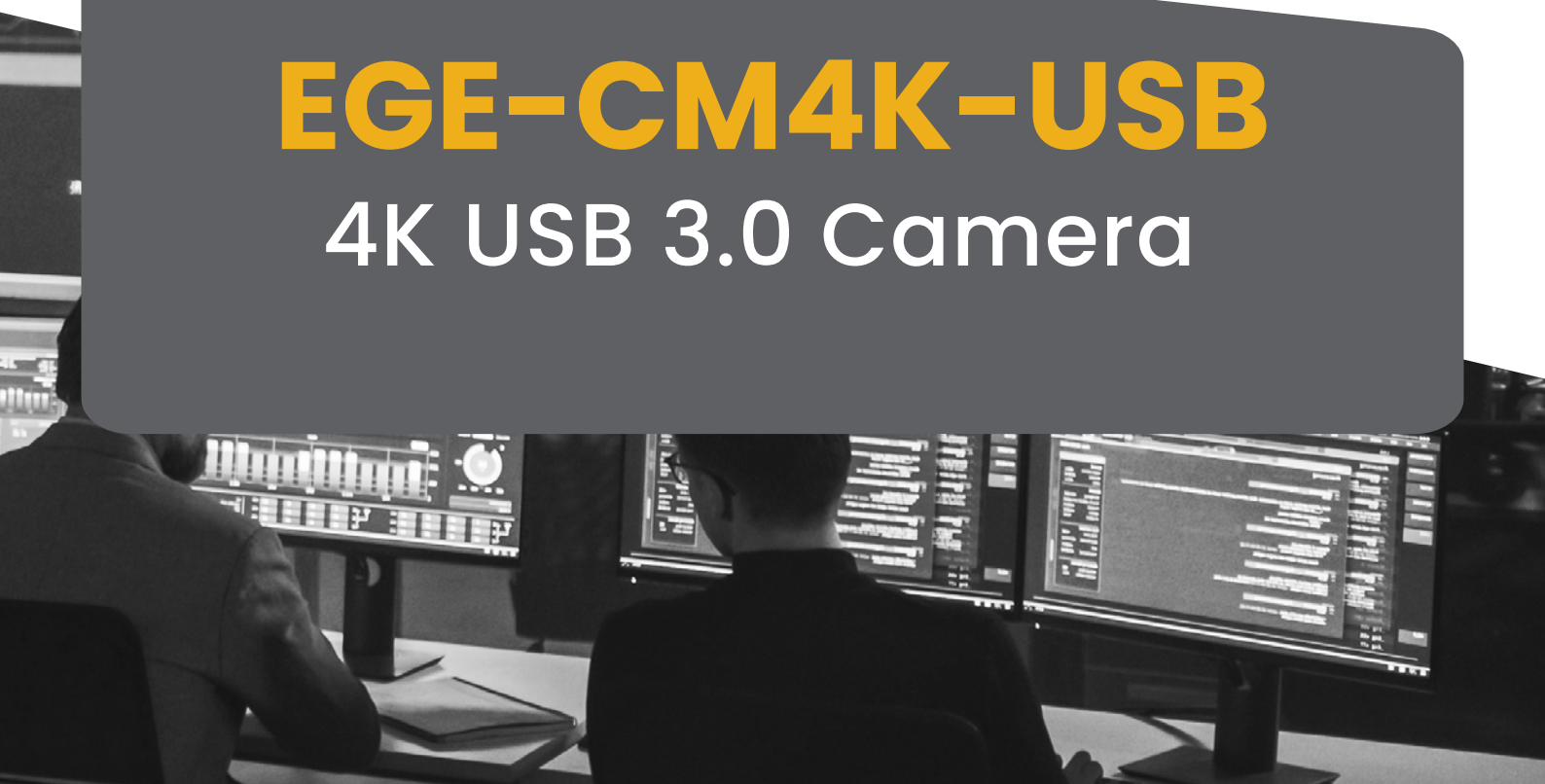
geratech®

EGE-CM4K-USB

4K USB 3.0 Camera

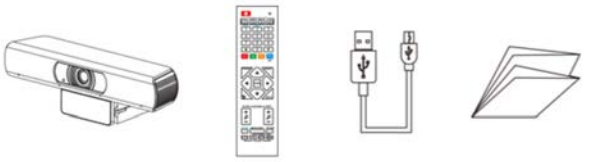


CONTENTS

1. APPEARANCE AND INTERFACE 1
2. PACKING LIST 1
3. REMOTE CONTROL 1
4. PRODUCT FEATURES 2
5. SAFETY PRECAUTIONS 4
6. PRODUCT SPECIFICAITON 4
7. TROUBLESHOOTING 5
8. TOXIC AND HARMFUL SUBSTANCES 6
9. WARRANTY CARD 6

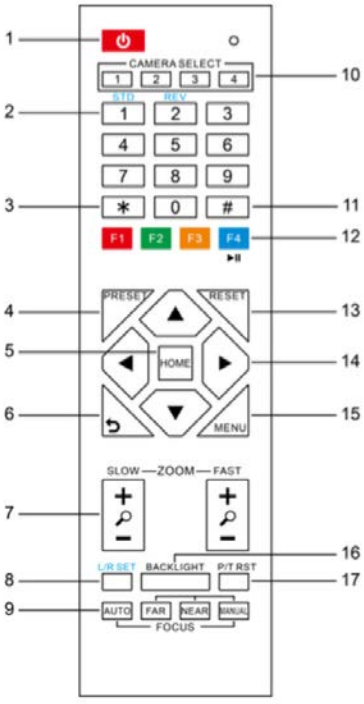
1. APPEARANCE AND INTERFACE

2. PACKING LIST



Camera x 1 | Remote Control (option) x 1 | USB Cable x 1 | User Manual x 1

3. REMOTE CONTROL



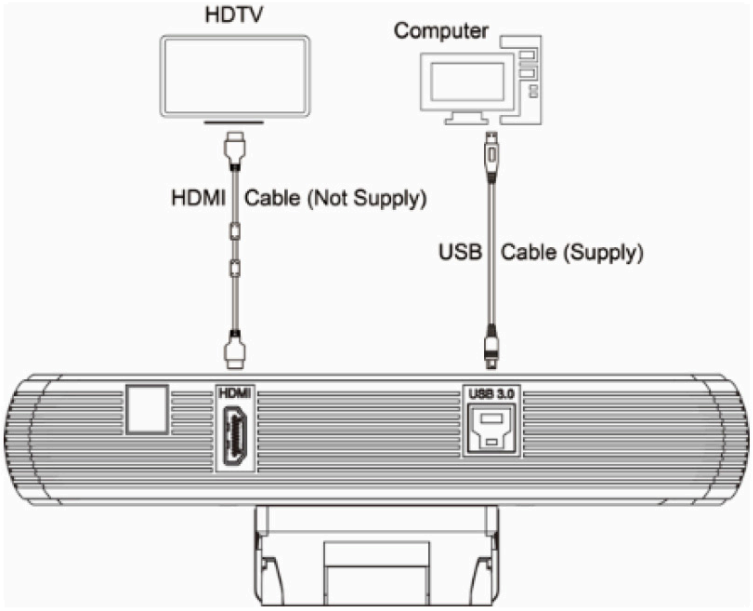
4. PRODUCT FEATURES

4K ultra high definition

Support 4K ultra high definition, ultra-high definition with ultra-high resolution, the maximum can provide 4K@30fps/25fps image output, while down compatible with 1080p, 720p and other resolutions.

USB 3.0

Full function USB 3.0 interface, power supply, video, audio in one, it also can support two channels of USB video signal source and one channel audio source.



WDR

Support WDR, easy to cope with different lighting environments, no matter how harsh the environment can restore the most real you.

Built-in microphone

With a built-in microphone array, you can pick up a full range of sounds, and pick up the sound distance up to 6 meters. The unique noise suppression algorithm makes your voice perfect.

Low-light

The application of 2D and 3D noise reduction algorithm greatly reduces the image noise. Even under the condition of ultra-low illumination, it still keeps the picture clean and clear, and the SNR of image is as high as 55dB.

Easy installation

Standard damping rotary shaft support, suitable for market 100% monitor, easy installation, stable and reliable.

No.	Name	Function Description
1	Standby Key	Enter into standby mode (not support)
2	Number Key	Preset setting or transfer preset
3	*Key	Equipped with other keys by using
4	Preset Key	Preset: Setting Preset + Number Key (0-9)
5	PTZ Control Key	The PTZ will back to the middle position
6	Return Key	Return back the last level menu
7	Zoom Button	Making the lens wide angle/narrow angle slowly or quickly
8	Left/Right Setting Key	-Standart Simultaneously press Left/Right setting key +1 -Reverse Simultaneously press Left/Right setting key +2
9	Focus Key	auto/manual/far-end/near-end focus
10	Selection Key	Select the camera need to be control
11	#Key	Need to equipped with other key
12	IR Remote Control Key	[*+#+F1/F2/F3/F4]: NO.1/2/3/4 address (not support)
13	Reset Key	Delete Preset
14	PTZ Control Key	PTZ moved according to the arrow indicates after zoom
15	Menu Key	Enter or exit OSD Menu after pressed it
16	Backlight Key	Turn On/Off backlight consumption (loop)
17	PTZ Reset Key	Only applicable to the PTZ cameras

5. SAFETY PRECAUTIONS

Careful installation

This product should be placed on the smooth desktop. The shell of the product is an organic material and is strictly prohibited from contact with any liquid, gas or solid material that may cause corrosion to the shell.

Do not unauthorized disassemble

This product has no parts which can be repaired by the user. The damage caused by the user's own disassembly is not covered by warranty.

Not: *Electromagnetic fields at specific frequencies may affect image of machine.*

6. PRODUCT SPECIFICATIONS

Camera	
Sensor	1/2.5", CMOS, Effective Pixel: 8.0M
Scanning Mode	Prograssive
Lens Mount	M12
Lens Focus	3.5mm
Wide Angle	120°
Distortion	0,46%
Auto Focus	Support
Minimal Illumination	0.05 Lux @ (F1.8 AGC ON)
Shutter	1/30s - 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D, 3D Digital noise reduction
Backlight Compensation	Support
USB Features	
Operate System	Windows XP/2003/VISTA/7/8/10 Linux, MacOS
Color Comperation	YUY2/MJPEG/H.264/NV12
Resolution	-YUY2: 640x480 (default), 640x360 -MJEPG: 380x2160 (default), 160x120, 176x144, 320x240, 352x288, 640x360, 720x576, 1600x896, 1280x720, 1024x576, 960x540, 848x480, 800x600, 800x448, 640x360, 480x270, 424x240, 320x180, 3840x2160 -NV12: 1920x1080 (default),640x480, 1280x720, 640x360

USB Communacation Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Support (EPTZ)
Input/Output Interface	
USB Interface	1 x USB 3.0: Type B, Female
Physical Parameter	
Input Voltage	5V (USB power supply)
Current Consumption	0.5A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W
Size	194mm x 34mm x 42mm (without bracket)
Net Weight	0.5Kg
MTBF	> 30000h

7. TROUBLESHOOTING

Image

Image have jitter when the camera lens at max multiple
1) Check whether the camera installed position be stabled.
2) Check whether have vibrating machinery or object near the camera.

Control

Remote control can not control
1) Check and replace the new battery for the remote controller.
2) Check whether the camera working mode is correct.

8. TOXIC AND HARMFUL SUBSTANCES

Part Name	Toxic or Harmful Substances or Elements					
	(Pb)	(Hg)	(Cd)	(CrVI)	(PBB)	(PBDE)
Metal	x	O	O	O	O	O
Plastic	O	O	O	O	O	O
Glass	x	O	O	O	O	O
Circuat Board	x	O	O	O	O	O
Power	x	O	O	O	O	O
Attached	x	O	O	O	O	O

This form is compiled in accordance with SJ/T 11364.
O: Indicates that the content of the hazardous substance in all homogenized materials of the component is subject to the limit specified in GB/T 26572.
x: Said the hazardous substance in at least one of the components homogenized material content in excess of the GB/T 26572 limit requirements, and there are no mature alternatives.

9. WARRANTY CARD

If failure caused by non-human causes occurs within one year from the date of purchase of the machine, you may enjoy the warranty service of the product. Any of the following circumstances is not covered by the warranty:

- Without disassemble, modification such as fault causes.
- Use of an environment does not conform to requirements of the product.
- Irresistible factors, such as fire, earthquake, lightning strike, etc.
- Warranty card does not match the product number or it is altered.

User Name	
User Address/ Post Code	
Contact Number	
Product Model	
Product Series	
Purchasing Date	
Invoice No.	
Sales Department	

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