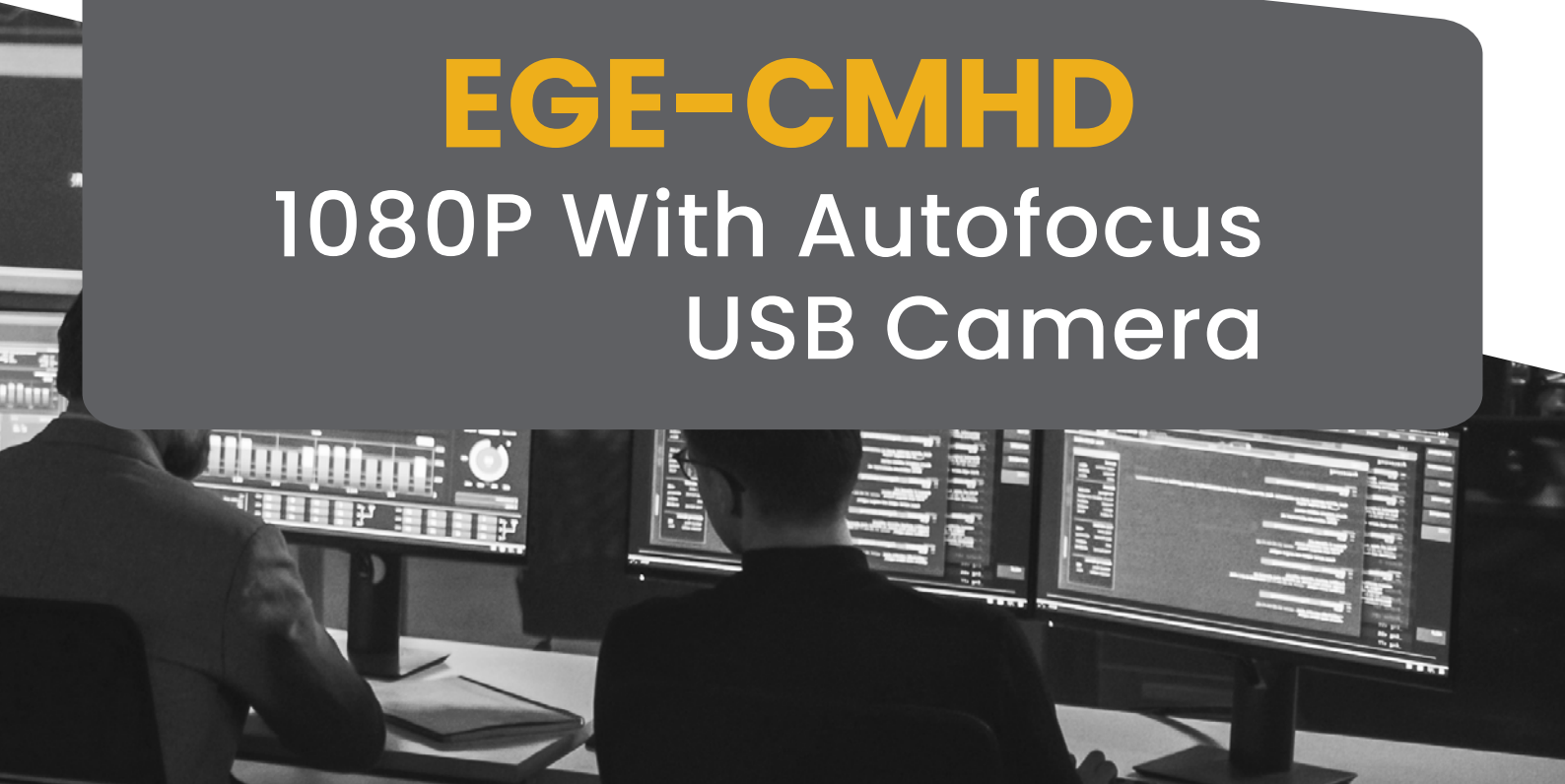


geratech[®]



EGE-CMHD

1080P With Autofocus
USB Camera



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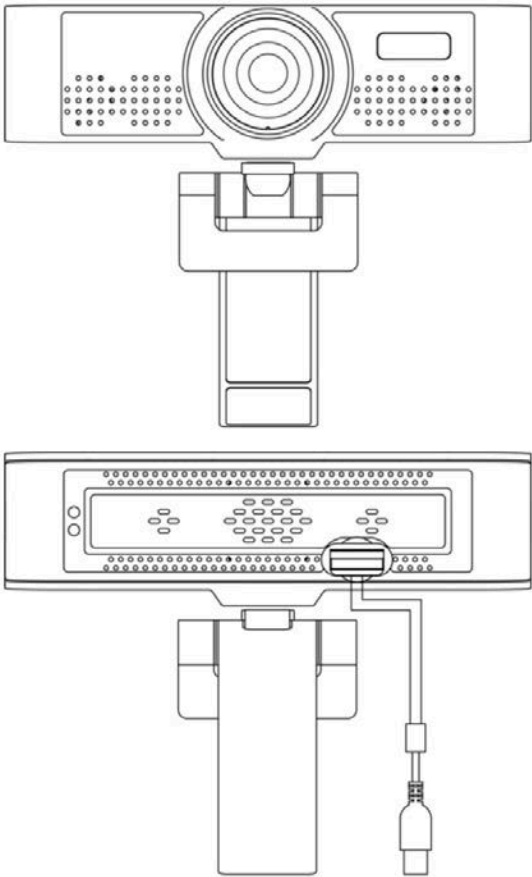
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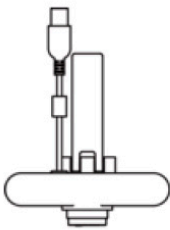
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1. PRODUCT APPEARANCE



2. PACKING LIST



Camera x 1



Quick Start x 1

3. PRODUCT FEATURES

1080P Full HD Wide Angle

Support 1080P full HD, and can provide 1080@30fps/25fps image coding output. At the same time, it is compatible with 720P equal resolution downwards, with wide field of view angle, and the maximum horizontal field angle can be more than 84 degree.

USB 2.0

Full-featured USB 2.0 interface, power supply, video and audio all in one, it can also support audio and video calls.

Built-in Microphone

Built-in microphone array, it can pick up sound distance up to six meters, unique noise suppression algorithm, make your voice perfect presentation.

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.

4. SAFETY PRECAUTIONS

Careful transportation

Transportation, custody and installation process to prevent heavy pressure, violent vibration, immersion damage to the product.

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.

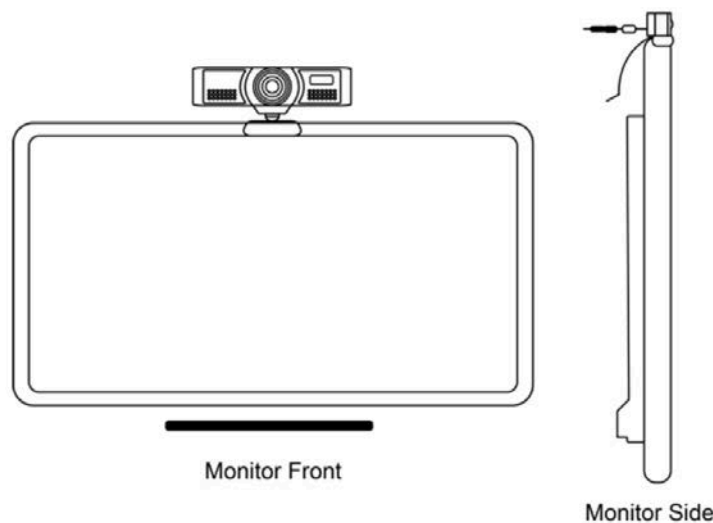
5. PRODUCT SPECIFICATIONS

Camera	
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scannig Mode	Progressive
Lens Mount	M12
Lens	Focus: f=3.5mm, FOV: 84°
Minimal Ullimination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Camera Bracket	Bracket with damper
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	MJPEG/YUY2/H.264
Resolution	<ul style="list-style-type: none"> ● MJPEG: 1600x896 (default), 160x120, 176x144, 320x240, 352x288, 640x480, 720x576, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 640x360, 480x272, 424x240, 320x180, 1920x1080 ● YUY2: 1920X1080 (default), 160x120, 176x144, 320x240, 352x288, 640x480, 1280x720, 960x540, 640x360, 480x272, 424x240, 320x180
Protocol	
Input/Output Interface	
USB Interface	1 x USB 2.0: Type A
Physical Parameter	
Input Voltage	5V(USB Power Supply)
Current Consumption	0.27A
Operating Temperation	-10°C ~ 40°C

Storage Temperation	-40°C ~ 60°C
Power Consumption	1.4W
Size	118mm x 37.2mm x 30.8 (without bracket)
Net Weight	0.093 Kg (without bracket)
MTBF	> 3000h

6. Maintenance and Troubleshooting

When the monitor thickness is less than or equal to 170mm, the mounting method can be selected to mount the conference camera product on the monitor. The specific installation is shown in the following figure:



7. MAINTENANCE AND TROUBLESHOOTING

Camera maintenance

- If the camera is not in long-term use, please disconnect the power switch after use.
- Use soft cloth or cotton paper to remove dust from the camera housing.
- When cleaning the camera lens, please use dry soft cloth to wipe, if dirt is serious, use neutral cleaner gently. Do not use strong or corrosive detergent, lest the lens scratch, affect the image effect.

Avoid using

- The camera should avoid shooting particularly bright objects, such as sunlight, lights, etc.
- The camera should not work under unstable lighting conditions, otherwise the image will flash.
- Do not use around facilities that can transmit high-power radio waves, such as television station or radio-transmitting station.

Troubleshooting

Image have jitter after the camera is properly connected.

- 1) Check whether the camera installed position be stabled.
- 2) Check whether have vibrating machinery or object near the camera.

8. TOXIC AND HARMFUL SUBSTANCES

Part Name	Toxic or Harmful Substance 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
Circuit 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	

10. SPECIFICATIONS

Main Features	<ul style="list-style-type: none"> • 1080p Full HD Super Wide Angle Supports 1080p HD, providing up to 1080@30fps/25fps image encoding output, while being backward compatible with 720p resolution. Wide field of view, horizontal field of view up to 120° or more. • USB 2.0 Full-featured USB 2.0 interface, power supply, video, audio in one, can also support 2-channel USB video signal source + 1 audio source. • Built-in Microphone Built-in microphone array, omnidirectional pickup, up to 3 meters pickup distance, inuque noise suppression algorithm, make your voice perfect presentation. • WDR Support WDR, easily deal with different, lighting environments, and harsh environments can restore the truest of you. • Low Illumination The new CMOS image sensor with super-high noise-to-noise ratio at star level can effectively reduce image noise under low illumination conditions. At the same time, 2D and 3D noise reduction algorithm are applied, greatly reducing image noise, and maintaining the picture even under ultra-low illumination conditions. Clean and clear, image signal to noise ratio of up to 55 dB or more.
Model	EGE-CMHD
Name	1080p With Autofocus USB Camera
Camera	
Sensor	1/2.7", CMOS, Effective Pixel, 2.07M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.8mm, FOV: 120°
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera Bracket	Bracket with damper
Digital Noise Reduction	2D, 3D Digital noise reduction
Backlight Compensation	Support
USB Features	
Operate System	Windows® 7 (1080p and under only), Windows 8.1 Windows 10 or higher MacOS™ 10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux 2.4 GHz Intel® Core 2 Duo Processor or higher

	2 GB Ram or more USB 2.0 port
Color System/ Compression	H.265 / H.264 / MJPEG
Video Format	1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5 (Optional)
Input/Output Interface	
USB Interface	1xUSB 2.0: Type A
General Specification	
Input Voltage	5V (USB Power Supply)
Operating Temperature	0°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Net Weight	0.2kg
MTBF	3000h



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