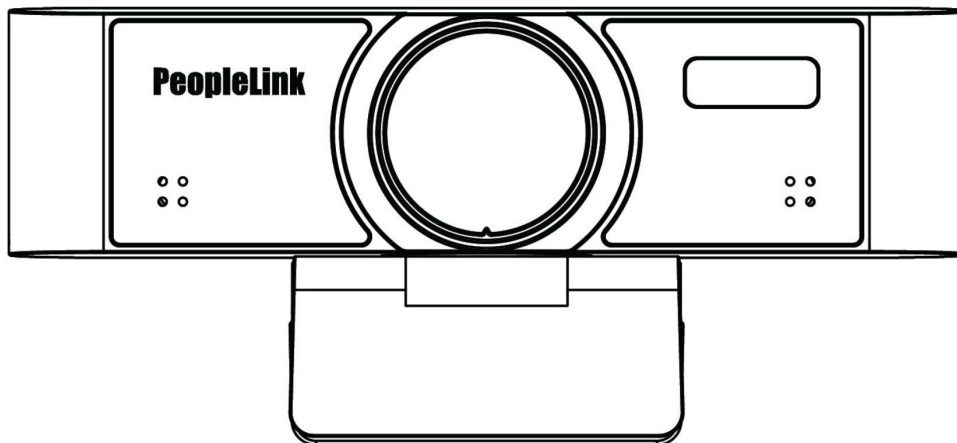


User Manual

Orion C80 FHD Webcam

Product Manual | Edition V 1.0 | Release 082024 | PPU-PVC-WC-120-I8



(English Version)

Please read this Manual before setting up Orion C80 FHD Webcam and stick to its requirements strictly for Safety reason. Suggest you save this manual for further inquiries reference.

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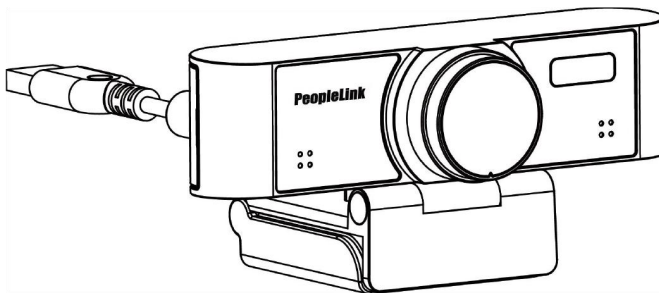
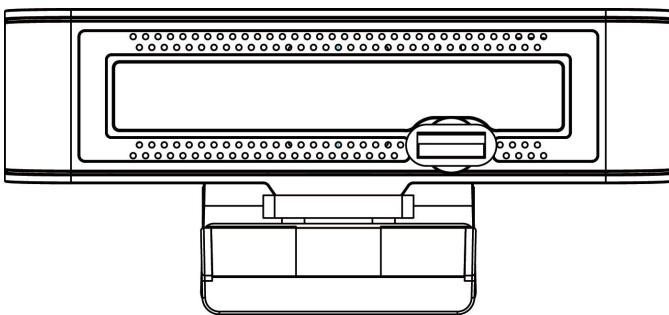
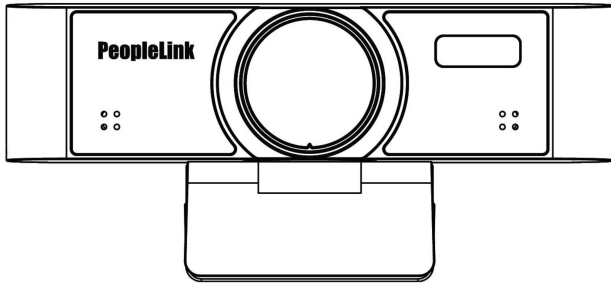
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Built-in microphone array, it can pick up sound distance up to three meters, unique noise suppression algorithm, make your voice perfect presentation.

1 Product Appearance



2 Packing List

Name	Quantity
Camera	1
User Manual	1

3 Product Features

1080P Full HD Wide Angle

Support 1080P full HD, and can provide 1080P@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 achieved 120 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

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 bracket 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.



Notice

Electromagnetic fields at specific frequencies may affect image of machine.

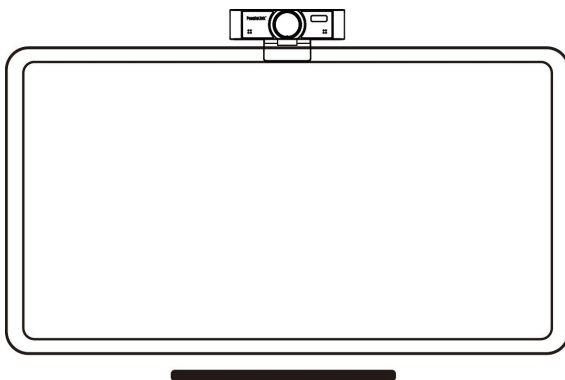
5 Product Specifications

Camera	
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens Mount	M12
Lens 4 (optional)	Focus: f=2.2mm, FOV: 120°
Minimal Illumination	0.5 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, Mac OS, Android
Color / Compression	MJPEG/YUY2/H.264

Resolution	<ul style="list-style-type: none"> ● MJPEG: 1920x1080 (default), 1600x896, 160x120, 176x144, 320x240, 352x288, 640x480, 720x576, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 640x360, 480x272, 424x240, 320x180 ● YUY2: 1920x1080 (default), 160x120, 176x144, 320x240, 352x288, 640x480, 1280x720, 960x540, 640x360, 480x272, 424x240, 320x180 ● H.264: 1920x1080 (default), 1600x896, 160x120, 176x144, 320x240, 352x288, 640x480, 720x576, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 640x360, 480x270, 424x240, 320x180
USB Communication Protocol	UVC 1.0
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 Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	1.4W
Size	115mm x 25mm x 30mm (without bracket)
Net Weight	100g (without bracket)
MTBF	> 30000h

6 Camera Installation

When the monitor thickness is less than or equal to 45mm, 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 substances or elements					
	(Pb)	(Hg)	(Cd)	(CrVI)	(PBB)	(PBDE)
Metal	x	○	○	○	○	○
Plastic	○	○	○	○	○	○
Glass	x	○	○	○	○	○
Circuit board	x	○	○	○	○	○
Power	x	○	○	○	○	○
Attached	x	○	○	○	○	○

This form is compiled in accordance with SJ/T 11364.

○: 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.

Customer Name	
Customer Address	
Contact Number	
Authorized Partner Code	
Product Model	
Purchasing Date	
Invoice No.	

User save, lost or not compensated