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AV Access

BizEye 80

4K UHD USB Camera



User Manual

Introduction

This product is a 4K Ultra HD USB camera. It features an ultra-wide angle and distortion-less lens. It also supports high-quality video up to 4K 30fps, auto color-correction and white balance, performing well in different lighting environments or sunlight. Its built-in auto noise reducing mic can pick up clear sound within the distance of 3m.

It is easy to install. It is fully compatible with most operating systems, such as Windows 7/10/11 and Mac OS, and works with popular calling and streaming platforms including OBS (Open Broadcasting Software) and XSplit Broadcaster for abundant application scenarios.

Features

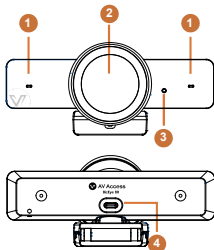
- Supports 4K Ultra HD up to 4K@30fps encoding output, and down-compatible with 1080p and 720p.
- Supports MJPEG, YUY2, NV12, H.264 and H.265 video compression to comply with most application platforms.
- Full functional USB 3.0 / USB 2.0 connection, power supply, video and audio all in one via USB 3.0 Type-A to Type-C cable.
- 120° ultra-wide-angle distortion-less lens.
- Built-in auto noise reducing mic, which can pick up clear sound in the distance of 3m.
- Fully supports UC and web conferencing platform, like Skype business, Zoom, WebEx, etc.
- Auto Framing / Presenter Tracking based on AI technology makes meetings more intimate and friendly.
- Supports ePTZ with a maximum of 5x digital Zoom.
- Equips multiple-purpose mounting clip for easy installation

on the top of a laptop, a display or a universal tripod.

Package Contents

- USB Camera x 1
- USB 3.0 Type-A to USB Type-C Cable x 1
- Quick Start Guide x 1

Panel

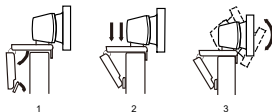


1. Microphone
2. Camera Lens
3. Status LED
 - When USB camera is powered on, the LED will light green for 6 seconds and off.
 - When USB camera is transferring data, the LED will light green constantly.
4. USB Type-C port

Installation

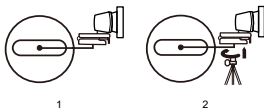
For placement on a monitor

1. Place your webcam on a computer, laptop or monitor at a position or angle you desire.
2. Adjust the webcam to make sure the foot on the universal mounting clip is flush with the back of your device.
3. Manually adjust the webcam up/down to the best position to frame yourself.



For placement on a tripod

1. Locate the M12 tripod thread on the bottom of the webcam.
2. Secure the webcam on your tripod by twisting it into the M12 thread.



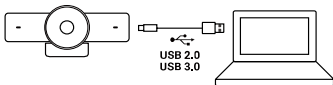
3. Place your webcam with the tripod anywhere you desire to the best position to frame yourself.

Note:

- Tripod is not included in the package.
- For best performance, install this device within the height of 100cm above the desktop is recommended.

Connection

Connect the USB-C port of this device to the USB-A port on your computer using the cable provided.



Note:

1. After this device is connected to a computer, its camera and microphone can be detected by the system and specific application in the name of the following:

Camera Name: BizEye 80 | **Microphone Name:** BizEye 80

2. By default, the microphone is turned off. To access to its features, please visit www.avaccess.com to download and install AV Access BizEye App.

Specifications

Camera	
Lens	Fixed Focus
Sensor	CMOS, Effective Pixel: 8.0M
Scanning Mode	Progressive
Viewing Angle	120° (FOV)
Horizontal Rotation Range	Leftward: 30°, Rightward: 30°
Vertical Rotation Range	Downward: 90°
ePTZ	Supported 5 x Digital Zoom
Shutter	1/30s ~ 1/10000s
Tracking Mode	Auto Framing (default) / Presenter Tracking / Off
White Balance	Auto
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Auto

Note: The tracking mode can be switched among the above modes through AV Access BizEye App. To download this App, visit www.avaccess.com.

USB	
Operating System	Windows 7/10/11, Mac OS™ 10.10 or higher
Color / Compression	MJPEG (default) /YUY2/NV12/H.265/H.264
Resolution and Frame Rate	• MJPEG: 320x240@30fps, 640x360@30fps, 640x480@30fps, 1280x720@90fps*/60fps/30fps, 1920x1080@60fps*/30fps, 2560x1440@30fps*, 3840x2160@30fps* • YUY2/NV12: 320x 240@30fps, 640x 360@30fps, 640x480@ 30fps, 1280x720@30fps*, 1920x1080@30fps*, 2560x1440@30fps*, 3840x2160@15fps* • H.265/H.264: 320x240@30fps, 640x360@30fps, 640x480@ 30fps, 1280x720@30fps, 1920x1080@30fps, 2560x1440@30fps*, 3840x2160@30fps* Note: (1) Resolutions and frame rates that marked with asterisks (*) are not available in USB 2.0 mode. (2) In USB 3.0 mode, default resolutions and frame rates are 1280x720@30fps. (3) In USB 2.0 mode, default resolutions and frame rates are 1280x720@30fps for MJPEG/H.265/H.264, and 640x480@30fps for YUY2/NV12.
USB Communication Protocol	UVC 1.1
USB Cable Length	1.5m/4.92ft

Input/Output Interface	
USB Interface	1 x USB Type-C: USB 3.0, up to 5Gbps (USB 3.0 Type-A to USB Type-C cable is recommended)
Mic	2 x Mic

Physical Parameter	
Operating Temperature	0°C ~ 40°C (32°F to 104°F)
Storage Temperature	-20°C ~ 60°C (-4°F to 140°F)
Input Voltage	5V (USB power supply)
Power Consumption	2.1W (Max)
Size	140.3mm x 61.5mm x 73.7mm/5.52" x 2.42" x 2.9" (with Bracket)

Physical Parameter	
Net Weight	0.14 kg/0.31lb (with Bracket)
MTBF	>30000h

Troubleshooting

1. What if this device is not detected on the computer?

- Verify the USB Type-A to Type-C cable is connected properly between the computer and the device.
- Connect the device to the computer's another USB Type-A port instead.

2. What if this device's microphone is not detected on the computer?

By default, the microphone is turned off and thus cannot be detected by a computer. To turn it on, please visit www.avaccess.com to download and install AV Access BizEye App.

3. What can I do if display image is blurred?

Wipe the camera lens with a cleaning cloth to remove stains on the lens.

