



DVY3I

Video Conference Camera

User Manual



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## Important notices

This manual briefly introduces the camera functions, installation, and operations. Please read carefully before application.

### Application instructions

To prevent damages to this camera or any products connected to it, this product can only be used within the specified range:

1. Do not expose the camera to rain or moisture.
2. This product contains no parts which can be maintained by users themselves. Any damage caused by dismantling the product by user without permission is not covered by warranty.
3. To prevent an electric shock, do not disassemble the camera; only qualified technicians can perform installation and maintenance.
4. Do not use under conditions that exceed the limited temperature, humidity or power supply specifications.
5. When cleaning the camera lens, please wipe it with a dry soft cloth. When the product is heavily soiled, please wipe it gently with a neutral detergent. Do not use strong or corrosive cleaning agents to avoid scratching the lens and affecting the image quality.

### Electric safety

This product must be installed in strict compliance with local electrical safety standards.

### Transport caution

Avoid heavy pressure, severe vibration, soaking damage to the product in transportation, storage, and installation.

### Careful installation

1. The camera body is made of organic material, please do keep away from corrosive liquid, gas, or solid material.
2. Do not rotate the camera head violently, otherwise it may cause mechanical failure;
3. This product should be placed on a stable desktop or other horizontal surface. Do not install the product obliquely, otherwise it may display inclined image.
4. Ensure there are no obstacles within rotation range of the holder.
5. Do not power on before completing installation.

### Magnetic Interference

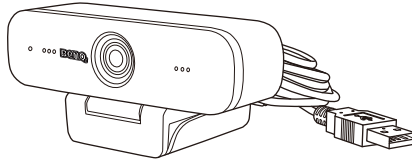
Electromagnetic fields at specific frequencies may affect the video image. This product is Class A. It may cause radio interference in household application. Appropriate measure is required.

### Do not disassemble discretionarily

We are not responsible for any damage caused by unauthorized disassembling.

## Package contents

Open the sales package and check the contents. If any item is missing or damaged, please contact your dealer immediately.



Camera



Privacy cover



Quick start guide



- Before discarding the package, check that you haven't left any accessories inside the box.
- Dispose of packaging materials wisely. You can recycle the cardboard carton. Consider storing the package (if possible) for future transport of the display.
- Do not leave plastic bags within reach of young children or babies.

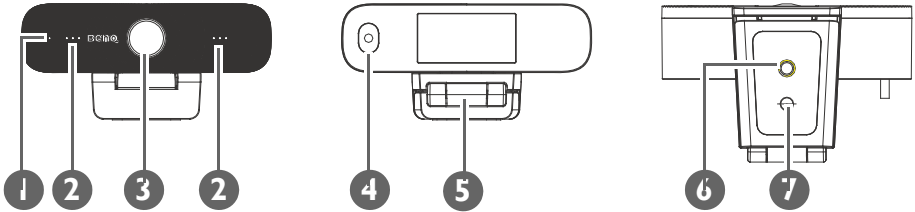
## Features

DVY31 features optimized functions for excellent performance. It utilizes advanced ISP processing algorithms so as to provide vivid images with even and clear brightness, strong color layering, high resolution, and fantastic color rendition. Stable and reliable, it is easy and convenient to install and maintain.

- Lens with wide field of view: A 92-degree wide angle lens with distortion-free views.
- High-definition images: High quality CMOS sensor. Support compression of resolution up to 1920x1080 with frame up to 30fps. Provide clear, vivid HD image.
- Low distortion lens: The lens prevents distortion and warping of images, so that the video that is seen matches real life; ideal for small meeting rooms and close distances.
- Omni-Directional microphones: The built-in omni-directional microphones feature noise suppression technology so as to pick up clear and natural stereo sound without static or noise.
- Privacy protection: With the privacy cover you can ensure that the camera doesn't capture any images when not intended.
- USB 2.0: Easy to plug and play, along with support for power supply and software upgrades.
- Convenient set-up: Convenient and easy to use; no need to download drivers or extra software.
- Multiple video encoding formats: Support H.264, H.265, MJPEG, YUV video encoding which enables the video to play more fluidly.
- Flexible installation: With a fixed clamp which enables it to be installed on a display or directly on a desk or tripod, you're free to choose from multiple installation location.
- Diverse uses: The camera can be used in a variety of ways including for personal video platforms, videoconferencing, cooperative office, etc.

# Installation instructions

## Product interface



No.	Name
1	LED for indicating when the camera is activated
2	Omni-Directional microphones for audio input
3	Lens (fixed focus)
4	USB 2.0 cable outlet hole (unpluggable): the USB 2.0 cable is available for plug and play. You can use USB 2.0 to play videos.
5	Flexible clip/base
6	Screw hole for tripod
7	Mounting and locating holes

## Using the product

1. Fix the product to the top of the display; place it directly on the desktop or mount it on a tripod.
2. Connect the USB cable with the computer, video conference devices, or other USB input devices.
3. Open the video software, then select the video device to get the video output.



If you want to adjust the camera parameters in a third-party software, refer to the adjustable parameters as below:

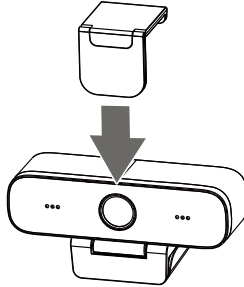
- Brightness
- Contrast
- Sharpness
- BLC (Back Light Compensation)

Note that other parameters are currently not adjustable.

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## Using the privacy cover

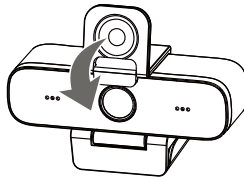
1. Align the privacy cover so that the indent on the cover lines up with the camera lens.
2. Push the privacy cover onto the top side of the camera.



Once the privacy cover is installed on the camera do not attempt to shift it to the right or left. This may scratch the surface of the camera. To move the cover's position remove it from the camera and re-install it in the correct position.

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3. To use flip the cap down to cover the lens.



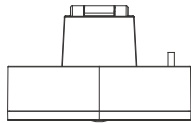
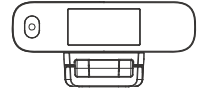
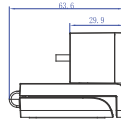
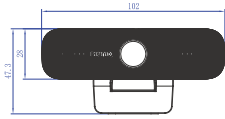
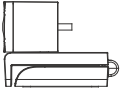
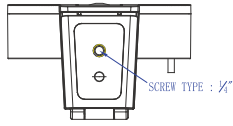


# Product information

## Specifications

Item		Specifications
		DVY31
Camera	Sensor	1080P FHD
	Effective Pixels	2.07MP, 16:9
	Field of View	92°(D) / 85°(H) / 52°(V)
	Resolution	1080p, 720p, SD @ 30 fps
	Focus	Fixed
	Lens Type	Glass
	Low Light Performance	0.5 Lux
	Backlight contrast	On/Off
	Exposure	Auto/Manual
	Video adjustments	Brightness, Definition, Saturation, Contrast, White Balance, Gain, Anti-Flicker, Low Brightness Compensation, BLC
	SNR	>50dB
Audio	Microphone	Omni-directional mics x 2
	Pickup Range	Up to 5m
	Echo Cancellation	Yes
Video	Output	USB2.0
	Compression Format	MJPEG, YUV2, H.264, H.265
Power	Input Voltage	5V
	Input Current	500mA (max)
	Power Consumption	2.5W (max)
Compatibility	Operating Systems	Windows 7, 8.1, or 10, Linux, Chrome™ OS*, macOS™ 10.10 and higher *Contact BenQ service for available Chromebook models
	USB	Plug and Play
Dimensions	Dimensions (HxWxD)	102mm×47.3mm×30mm
	Weight	0.16 kg
Package Contents	Included	<ul style="list-style-type: none"> <li>• 1080P FHD webcam</li> <li>• USB cable (built-in)</li> </ul>

## Dimensions



Unit: mm

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# Maintenance and troubleshooting

## Maintenance

1. If camera is not used for a long time, please turn off power adapter switch and AC plug.
2. Use soft cloth or tissue to clean the camera cover.
3. Use soft cloth to clean the lens; use neuter cleanser if smeared. Do NOT use strong or corrosive cleanser that may scuff the lens and affect the image.

## Troubleshooting

No video output & no image

1. Make sure the camera USB cable is connected properly.
2. Make sure the USB port is normal and the power indication light is on.
3. Disconnect the camera with computer and re-connect the USB cable.
4. Check if the video software has selected the right device.