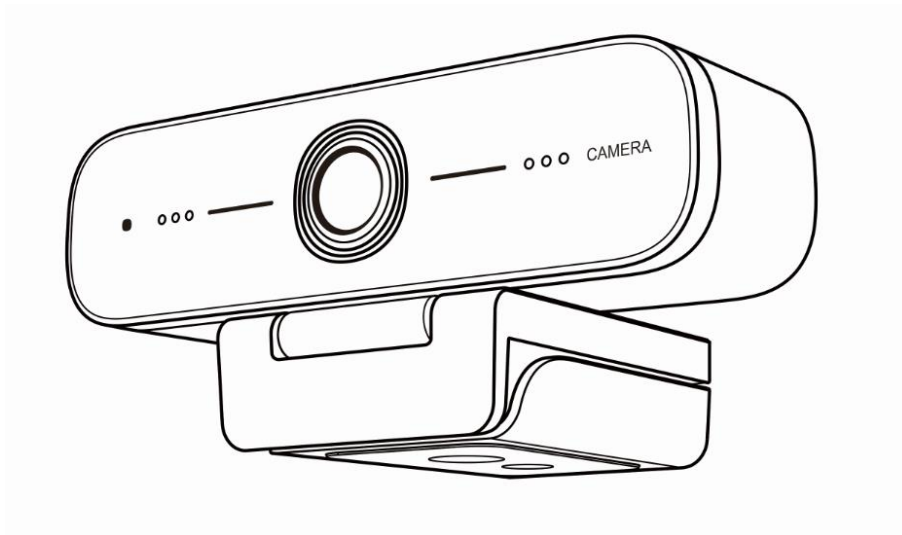


# Desktop HD Video Camera User Manual



# **Attentions**

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**This manual introduces functions, installations and operations for this camera in details. Please read this manual carefully before installation and use.**

## **1. Cautions**

- 1.1 Avoid damage to product caused by heavy pressure, strong vibration or immersion during transportation, storage and installation.
- 1.2 Housing of this product is made of organic materials. Do not expose it to any liquid, gas or solids which may corrode the shell.
- 1.3 Do not expose the product to rain or moisture.
- 1.4 To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.
- 1.5 Do not use the product beyond the specified temperature, humidity or power supply specifications.
- 1.6 Wipe it with a soft, dry cloth when cleaning the camera lens. Wipe it gently with a mild detergent if needed. Do not use strong or corrosive detergents to avoid scratching the lens and affecting the image.
- 1.7 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.

## **2. Electrical Safety**

Installation and use of this product must strictly comply with local electrical safety standards.

## **3. Install**

- 3.1 Do not rotate the camera head violently, otherwise it may cause mechanical failure;
- 3.2 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.
- 3.3 Ensure there are no obstacles within rotation range of the holder.
- 3.4 Do not power on before completely installation.

## **4. 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.

# Content

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|                                         |   |
|-----------------------------------------|---|
| 1. Camera Installation .....            | 3 |
| 1.1 Product Interfaces.....             | 3 |
| 1.2 Usage of the Product .....          | 3 |
| 2. Product Introduction.....            | 4 |
| 2.1 Dimension .....                     | 4 |
| 2.2 Main Features .....                 | 4 |
| 2.3 Technical Parameter.....            | 5 |
| 3. Maintenance and Troubleshooting..... | 6 |
| 3.1 Camera Maintenance.....             | 6 |
| 3.2 Troubleshooting .....               | 6 |

# 1. Camera Installation

## 1.1 Product Interfaces

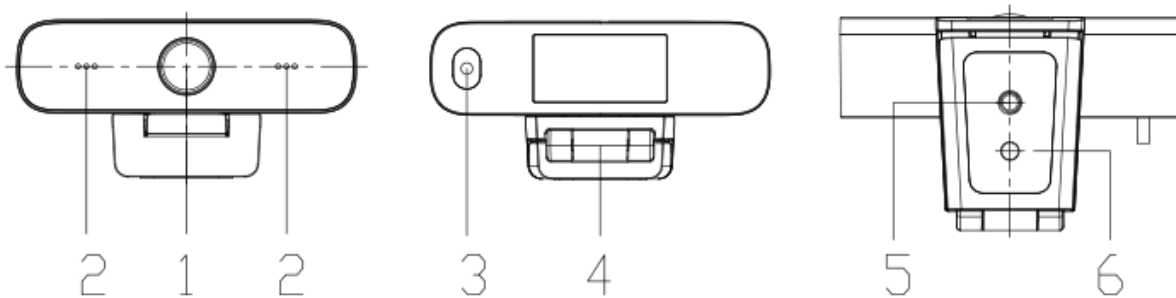


Figure 1.1 Interfaces Instructions

|                               |                                      |                          |
|-------------------------------|--------------------------------------|--------------------------|
| 1. Camera Lens(fixed)         | 3. USB2.0 Cable Outlet Hole(no plug) | 5.Screw Hole for Tripod  |
| 2. Audio IN(built in pick-up) | 4.Fixation Clamp                     | 6.Screw Hole for Bracket |

The USB 2.0 port available for plug and play, and it can output video and power the camera.

## 1.2 Usage of the Product

- 1) Product installation: Fix the device on the top of LCD screen or laptop or directly on the desktop and tripod.
- 2) Camera USB cable connect with computer, video conference terminal or other USB input device.
- 3) Open the video software, select the video device to get video output.

## 2. Product Introduction

### 2.1 Dimension

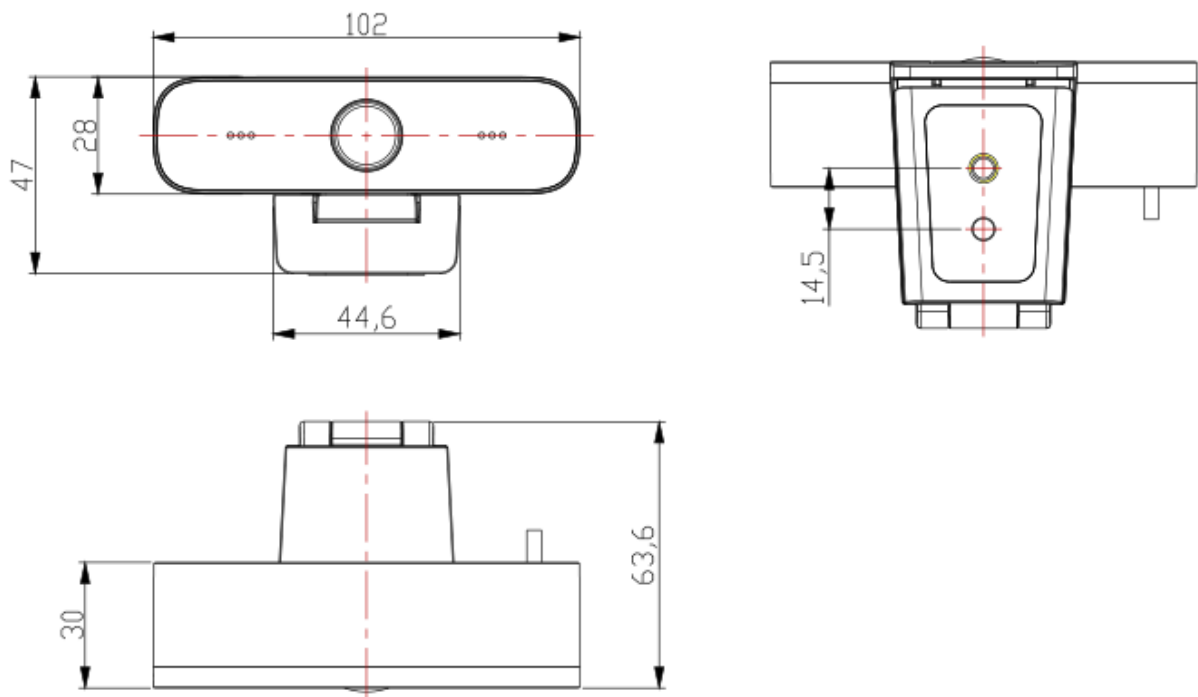


Figure 2.1 Product Dimension

Please check and confirm all accessories are provided when opening the package:

User Manual x 1

### 2.2 Main Features

MG104 offers perfect functions and superior performance; Featuring with advanced ISP processing algorithms, offering vivid and high resolution video with a strong sense of depth and fantastic color rendition. Easy and convenient to install and maintain, stable and reliable.

#### Product Advantages

- FHD: High quality sensor. Resolution is up to 1920x1080 with frame rate up to 30fps.
- Multiple installation: Free to choose installation place, the device is with fix clamp which enable it to be installed on LCD screen, the top of laptop or directly on desk and tripod.
- Wide Application: Personal Video Platform, Videoconferencing, Cooperative Office etc.

- Convenient application: No need to download driver or extra software, it is convenient and easy for users.

### Product Features

- USB2.0 Interface: Easy plug and play, power and upgrade support;
- Multiple Lens Optional: 80° horizontal viewing angle without distortion lens and 109° super wide-angle lens
- Stereo sound: built-in pickup, clear and natural stereo sound effect, no need for external pickup equipment;
- Multiple video encoding: support H.264、H.265、MJPEG、YUY2 video encoding, making video playback smoother;

## 2.3 Technical Parameter

| Model                | MG104-1                                                                                                                                                                                                        | MG104-2                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Sensor               | high quality CMOS sensor                                                                                                                                                                                       |                              |
| Effective Pixels     | 2.07MP, 16:9                                                                                                                                                                                                   |                              |
| Video Format         | USB Output<br>1920x1080@30fps/25fps;1280x720@30fps/25fps;960x540@30fps/25fps;800x600@30fps/25fps ;<br>720x480@30fps/25fps ;640x480@30fps/25fps;640x360@30fps/25fps;320x240@30fps/25fps;320<br>x180@30fps/25fps |                              |
| View Angle           | 88° (D) /80° (H) / 50° (V)                                                                                                                                                                                     | 113° (D) /109° (H) / 57° (V) |
| Focal Length         | 3.24mm                                                                                                                                                                                                         | 2.90mm                       |
| Digital Zoom         | Support                                                                                                                                                                                                        |                              |
| Minimum Illumination | 0.5Lux(F1.8, AGC ON)                                                                                                                                                                                           |                              |
| Focus                | Manual                                                                                                                                                                                                         |                              |
| AF                   | Fixed                                                                                                                                                                                                          |                              |
| Backlight Contrast   | On/Off                                                                                                                                                                                                         |                              |
| Exposure             | Exposure parameters can be adjusted , support auto exposure                                                                                                                                                    |                              |
| Video Adjustment     | Brightness, Definition, Saturation, Contrast, White Balance Mode, Gain, Anti-flicker, Low brightness compensation etc.                                                                                         |                              |
| SNR                  | >50dB                                                                                                                                                                                                          |                              |

| Input/output Interface   |                                          |
|--------------------------|------------------------------------------|
| Video Interfaces         | USB2.0(support power supply and upgrade) |
| Video Compression Format | MJPEG、YUY2、H.264、H.265                   |
| Audio Input              | Built in high sensitive voice pickup     |

| Other Parameter     |                 |
|---------------------|-----------------|
| Input Voltage       | 5V              |
| Input Current       | 500mA (Max.)    |
| Power Consumption   | 2.5W(Max.)      |
| Stored Temperature  | -10°C ~ +60°C   |
| Stored Humidity     | 20% ~ 95%       |
| Working Temperature | -10°C ~ +50°C   |
| Working Humidity    | 20% ~ 80%       |
| Dimension(WXHXD)    | 102mm*47mm*30mm |
| Weight              | 0.15kg          |
| Working Environment | Indoor          |
| Accessory           | User Manual     |

## **3. Maintenance and Troubleshooting**

### **3.1 Camera Maintenance**

- 1) Please power off the camera and disconnect the power adapter and socket, if it's not used for a long run.
- 2) Use soft cloth or tissue to clean the camera cover.
- 3) Wipe it with a soft, dry cloth when cleaning the camera lens. Wipe it gently with a mild detergent if needed.  
Do not use strong or corrosive detergents to avoid scratching the lens and affecting the video quality.

### **3.2 Troubleshooting**

#### **1) No video output**

- a. Check whether the camera USB cable is connected, USB port is normal, the power indicator is lit.
- b. Please disconnect the camera with computer and re-connect by USB to check if it works.
- c. Please check whether the video software selects the correct device

#### **2) No image sometimes**

- a. Check whether the camera USB cable is connected, USB port is normal, the power indicator is lit.
- b. Please disconnect the camera with computer and re-connect by USB to check if it works.