HIKVISION

Video Conference Camera

User Manual

01000020201118

About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (https://www.hikvision.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

Trademarks

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Other trademarks and logos mentioned are the properties of their respective owners.

Disclaimer

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2014/35/EU, the EMC Directive 2014/30/EU, *the RoHS Directive 2011/65/EU.*

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information, see: www.recyclethis.info.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Safety Instructions

⚠ Warnings

Laws and Regulations

The device should be used in compliance with local laws, electrical safety regulations, and fire prevention regulations.

Electrical Safety

The socket-outlet shall be installed near the equipment and shall be easily accessible.

⚠️ **Cautions**

Fire Prevention

No naked flame sources, such as lighted candles, should be placed on the equipment.

Installation

Install the equipment according to the instructions in this manual.

Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.

DO NOT touch the sharp edges or corners.

Transportation

Keep the device in original or similar packaging while transporting it.

DO NOT drop the product or subject it to physical shock.

Power Supply

Refer to the device label for the standard power supply. Please make sure your power supply matches with your device.

Use a power adapter provided by qualified manufacturers. It is recommended to provide an independent power adapter for each device as adapter overload may cause over-heating or a fire hazard.

Maintenance

If the product does not work properly, please contact your dealer or the nearest service center. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.

Cleaning

Please use a soft and dry cloth to clean the interior and exterior surfaces. Do not use alkaline detergents.

Using Environment

When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.

DO NOT aim the lens at the sun or any other bright light.

To avoid heat accumulation, good ventilation is required for a proper operating environment.

DO NOT expose the device to extremely hot, cold, dusty, corrosive, saline-alkali, or damp environments. For temperature and humidity requirements, see device specification.

DO NOT expose the device to high electromagnetic radiation.

Emergency

If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.
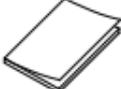
1 Introduction

1.1 Product Features

The main features are as follows:
- High performance CMOS sensor
- Varifocal lens
- Clear imaging against strong back light due to WDR technology
- AGC for self-adjust brightness
- Support remote control
- Built-in microphone with clear sound

1.2 Packing List

Check the package contents and make sure that the device in the package is in good condition and all the assembly parts are included.

Table 1-1 Packing List

No.	Item	Description	Amount
1		Camera	1
2		Remote Control	1
3		Cable	1
4		Bracket	1
5		Quick Start Guide	1
6		Screws	1
7		Power Adapter	1

Note:
The figure of power adapter is for reference only. Refer to the actual product as standard.
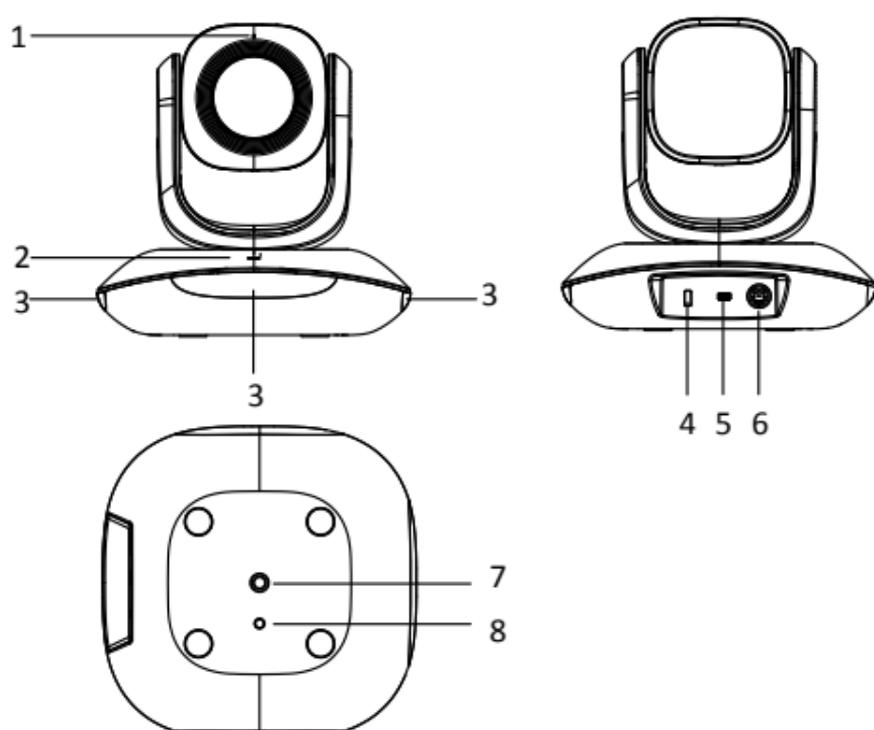
1.3 Overview

1.3.1 Appearance

Figure 1-1 Appearance of Video Conference Camera

Table 1-2 Description

No.	Description	No.	Description
1	Microphone	5	Audio In
2	Indicator	6	PS2 Interface
3	IR Signal Receiving Module	7	1/4-20UNC Screw Hole
4	Kensington Lock	8	Lashing Eye

Note:
Red indicator means the device is standby. Blue indicator means the device is normally working.

1.3.2 Remote Control
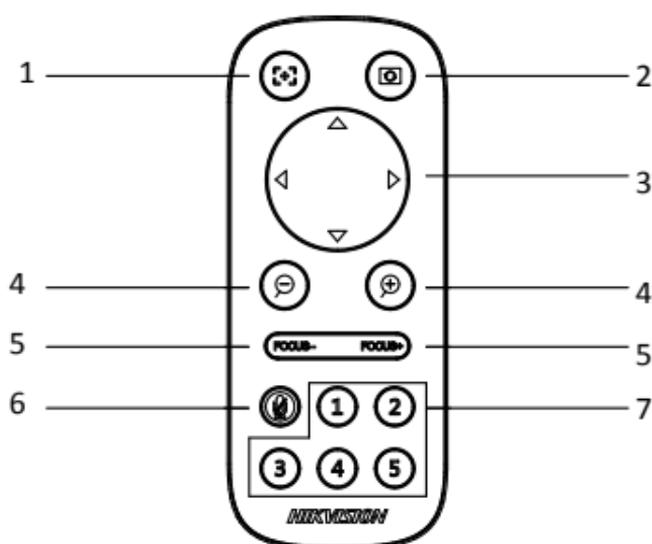
You can control the camera through the remote control.

Figure 1-2 Appearance of Remote Control

Table 1-3 Description

No.	Description	No.	Description
1	One-touch Focus	5	Manual Focus
2	One-touch Flip	6	Mute
3	Pan/Tilt Control	7	Preset
4	Zoom in/out		

- One-touch Focus: It enables the device to focus automatically.
- One-touch Flip: It enables to rotate the image 180° when the device is installed upside down.
- Pan/Tilt Control: It enables to adjust the lens direction.
- Manual Focus: It enables the device to focus manually.
- Mute: Turn off the microphone.
- Preset: A preset is a predefined position. For the defined preset, you can click the calling button to quickly view the desired image position.
  1. Adjust the image by remote control.
  2. Press and hold a preset number for 3 seconds, and the blue indicator flickers twice. It means the preset is successfully set.
  3. Press the preset number, and the device return to the defined position. Up to 5 presets can be set.
- Press and hold One-touch Flip and Mute at the same time for 5 seconds, and the red indicator flickers three times. It means the device restores to the default settings.
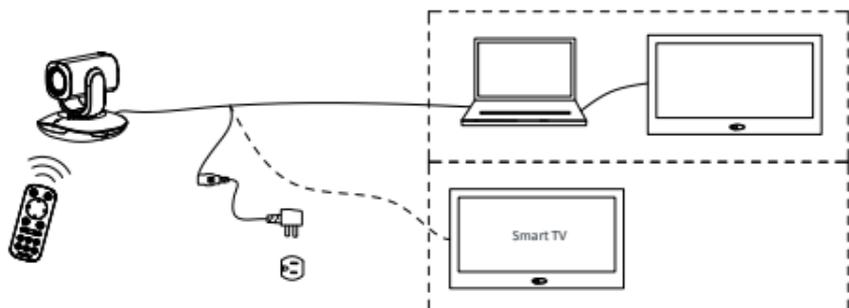
1.3.3 Device Connection

Figure 1-3 Connection

2 Installation

The package contains the mount. Both table mounting, and wall mounting share the same mount.

The installation methods are not compulsory. You can just put the camera on the table, if this way meets your needs.

2.1 Table Mounting

Steps:

1. Align the screw hole in camera with that on the mount.
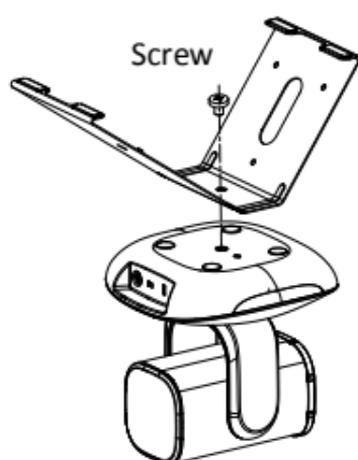2. Use the supplied screw to secure the camera on the mount.

Figure 2-1 Fix the Camera on the Mount

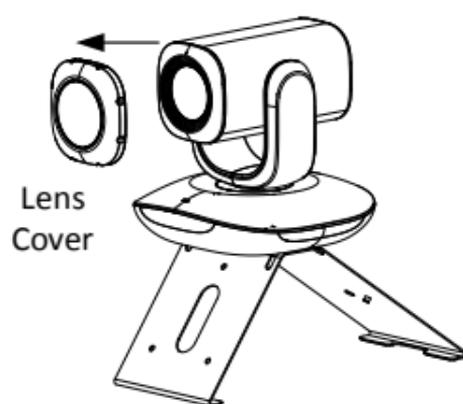3. Take the lens cover out of the camera to finish the installation

Figure 2-2 Put the Lens Back

4. Connect the camera with the power adapter, and the computer.
5. Power on the camera to check whether the image on the screen is gotten from the optimum angle. If not, adjust the view angle by remote control shown as the figure below.
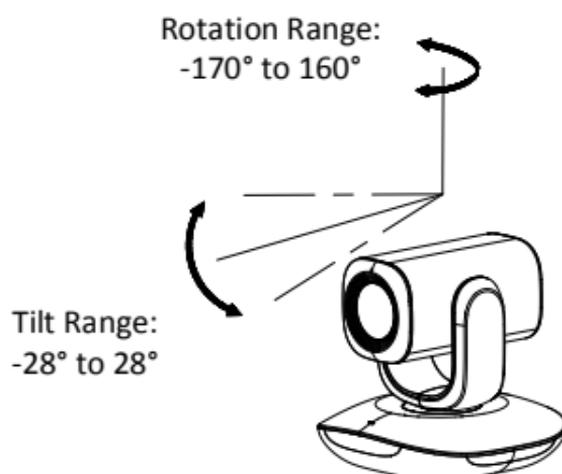

Figure 2-3 Angle Adjustment

1) Press right/left direction button on the remote control to adjust the pan range from -170° to 160°.
2) Press up/down direction button on the remote control to adjust the tilt range from -28° to 28°.

2.2 Wall Mounting

Steps:
1. Drill three screw holes in the wall according to the holes of the mount.
2. Align the screw holes on the mount with that on the wall, and secure the mount with supplied screws.
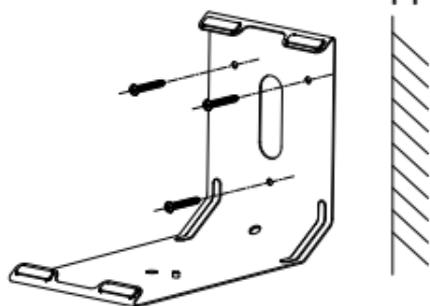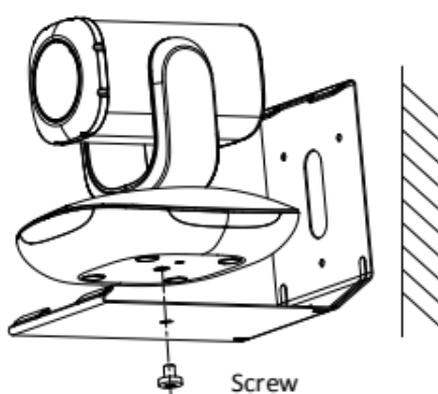

Figure 2-4 Fix the Mount in the Wall

Figure 2-5 Secure the Camera with the Mount

Repeat steps 3 to 5 of section 2.1 Table Mounting to finish the installation.

2.3 Pendant Mounting

The device also supports pendant mounting, and the mount should be purchased separately.
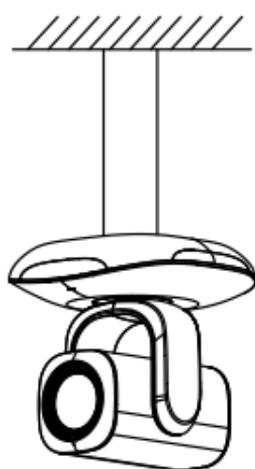

Figure 2-6 Pendant Mounting

3 FAQ

Q: The device is plugged in via USB cable, but it cannot be found.
A: USB cable cannot power the device. You have to connect the power adapter to the device.

Q: The device fails to deliver clear image after auto focusing.
A: The device focuses clearly after you press **One-touch Focus** on the remote. If failed, press **Manual Focus** to adjust the image.

Q: The image is upside down when the device is installed on the pendant mount.
A: Press **Image Flip** on the remote after pendant installation and self-test, and the image turns 180°.

Q: The device cannot return to the preset.
A: Physical interference can affect the preset positions. Power on the device and configure the presets again.

Q: What should I do with image flickers?
A: Slide the **Backlight Compensation** to 0 to disable the WDR function, and the device will restart. Switch 50Hz/60Hz frequency to check if the flickers disappear. If not, contact the professionals to solve the problem.