User Guide

MS-HD58-10U

USB Video Conference Camera



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Copyright Notice

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Product specifications and information which were referred to in this document are for reference only. We may change, delete, or update any content at any time and without prior notice.

FCC Notice

This product complies with Part 15 of the FCC Rules. The operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.delete, or update any content at any time and without prior notice.

This product 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 in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Class A ITE

Class A ITE is a category of all other ITE which satisfies the class A ITE limits but not the class B ITE limits. Such equipment should not be restricted in its sale but the following warning shall be included in the instructions for use:


Warning Operating this equipment in a residential environment may cause radio interference.

CE EC Compliance Statement (Class A)

This product is herewith confirmed to comply with the requirements set out in the Council Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2014/30/EU.

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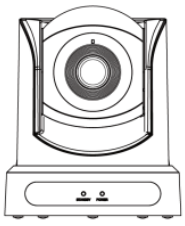
Note

- During the installation and use of the equipment, all electrical safety regulations of the country and region of use must be strictly observed.
- Please use the power adapter that comes standard with this product.
- Please do not connect multiple devices to the same power adapter (exceeding the capacity of the adapter may generate excessive heat or cause a fire).
- Do not rotate head of the camera by hand, otherwise it may cause mechanical failure.
- When installing this product on a wall or ceiling, secure the device securely. When installing, make sure that there are no obstacles within the rotation range of the gimbal; do not turn on the power until all installations are completed.
- To avoid heat build-up, keep ventilation around the device smooth.
- If the device emits smoke, smells, or makes noises, please turn off the power immediately and unplug the power cord, and contact the dealer in time.
- This device is not waterproof, please keep the device dry.
- This product has no user serviceable parts, damage caused by disassembly by the user is not covered by the warranty.

Notice: Specific frequencies of electromagnetic field may affect the image of the camera!

Packing List

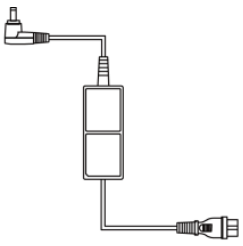
When unpacking the package, check that all the supplied accessories are included:



Camera x 1



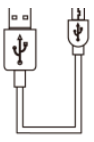
Remote Control x 1



AC Power Adaptor x 1



RS232 Cable (option)



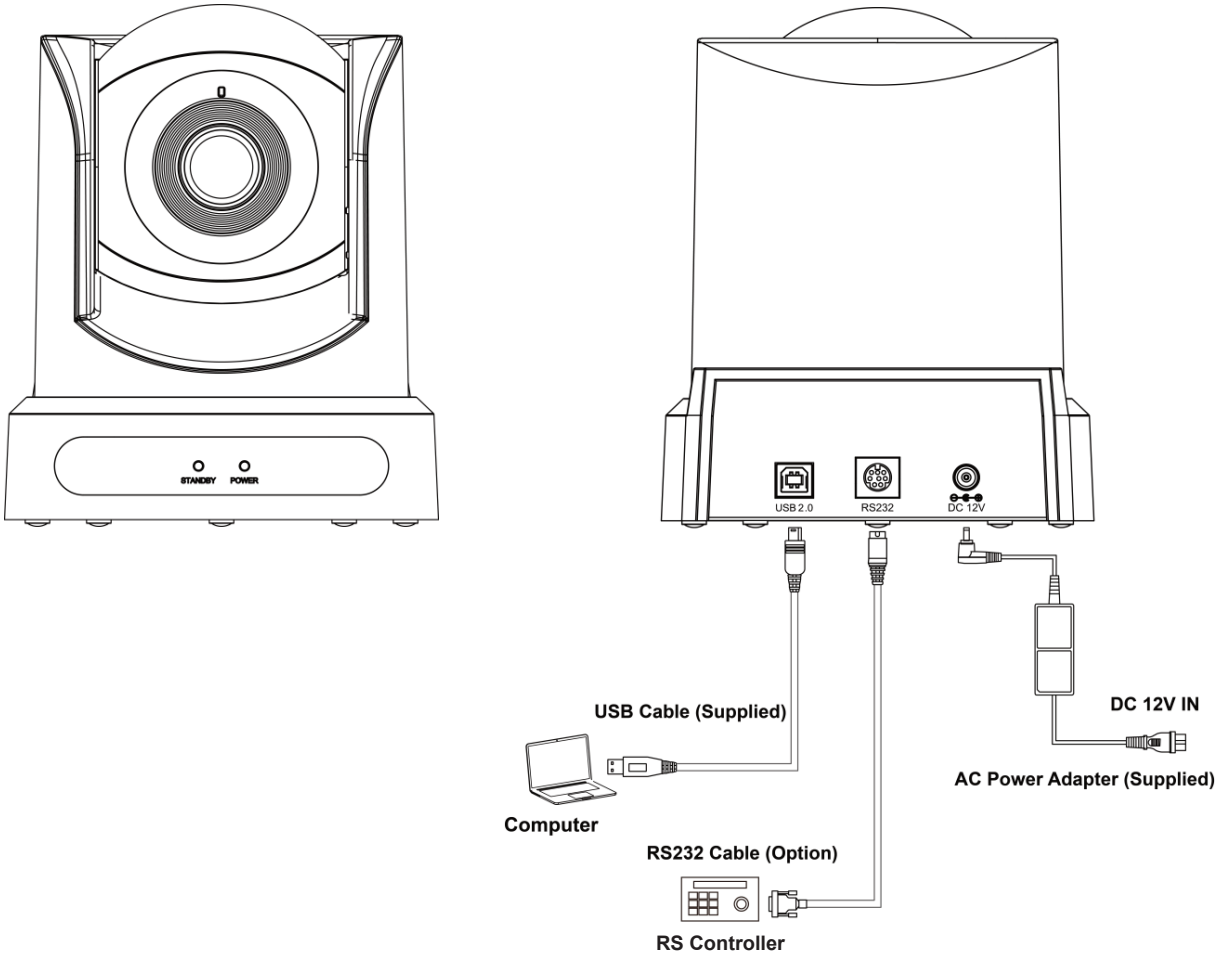
USB Cable x 1



Quick Start x 1

Appearance and Connections

1. Please check that connections are correct before starting.

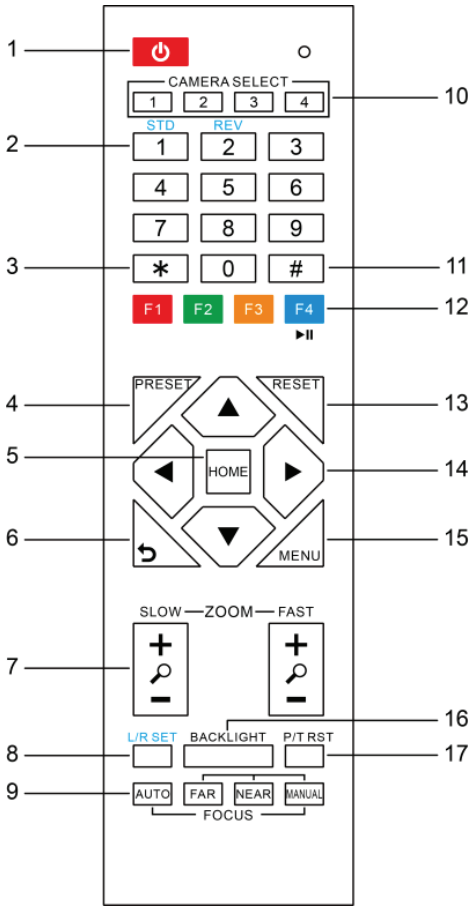


2. Connect the USB cable to the connector on the rear panel of the camera. The power indicator on the front panel of the camera will turn on.

3. After the camera is powered on, it will start to initialize.

Remote Control

1. Please check that connections are correct before starting.



No.	Name	Function Description
1	Standby Key	Enter into standby mode by pressed it
2	Number Key	Preset setting or transfer preset
3	*Key	Equipped with other keys for using
4	Preset Key	Preset: Setting Preset + Number key (0-9)
5	HOME Key	Confirm menu or the PTZ will back to the middle position after pressed it
6	Return Key	Return back the last level menu
7	Zoom Button	Making the lens wide angle/narrow angle slowly or quickly
8	Left/Right Setting Key	● Standard: Simultaneously press Left/Right setting key + 1 (horizontal) ● Reverse: Simultaneously press Left/Right setting key + 2 (horizontal)
9	Focus Key	auto/manual/far-end/near-end focus
10	Selection Key	Select the camera need to control
11	#Key	Need to equipped with other key
12	IR Remote Control Key	[*+#+F1/F2/F3/F4]: NO.1/2/3/4 address
13	Reset Key	Delete preset (reset key + corresponding preset number key)
14	PTZ Control key	PTZ moved according to the arrow indicates
15	Menu Key	Enter or exit OSD Menu after pressed it
16	Backlight Key	Turn on/off backlight consumption (loop)
17	PTZ Reset Key	PTZ starts to self-test after pressed it

Product Features

Full Featured USB Interface

USB 2.0 interface, support encoding output, and support UVC 1.0 protocol.

1080P Full HD

High-quality HD CMOS sensor with 2.07 million effective pixels for high-quality images up to 1920x1080.

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.

H.264 Slice/SVC Encoding

Output H.264 code stream, and support Slice and SVC encoding mode, can adapt to high-end USB video conferencing applications.

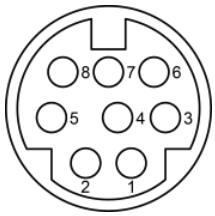
Double Stream

Support two code streams simultaneous output (YUY2, MJPEG, H.264 any two), can reduce the host codec pressure.

Remote Control

The camera can be remotely controlled via an RS232 cable.

RS232 Interface

Interface diagram	No.	Function	No.	Function
	1	DTR	5	RXD
	2	DSR	6	GND
	3	TXD	7	IR OUT
	4	GND	8	NC

Safety Precautions

Electrical safety

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

Power polarity

This product uses DC +12V power supply, the maximum current 2A, please pay attention to the polarity of power supply.



Careful installation

Do not grab the camera head to move the camera.

Do not rotate head of camera by hand, it may cause mechanical problems.

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 the image of the machine.
- Do not hot-plug the power supply during the use of the IP Camera.

Trouble Shooting

Image

- The monitor shows no image
  1) Check that the camera power supply is connected, the voltage is normal, and the power indicator light is always on.
  2) Turn off the power switch to check whether the camera is self-testing.
  3) Check the cable of video platform and TV whether correct connection.
- Sometimes without the image
  Check the cable of video platform and TV whether correct connection.
- Image have jitter when the camera lens at max multiple.
  1) Check whether the camera installed position be stabled.
  2) Check whether have vibrating machinery or object near the camera.

Trouble Shooting (Cont.)

Control

- Remote control can not control
  1) Check and replace the new battery for the remote controller.
  2) Check whether the camera working mode is correct.
  3) Check whether the address of remote control can match the camera.
- Series port can not control
  1) Check whether the camera protocol, address such is the same.
  2) Check whether the control line is connected well.



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