



# JARVIS U3

USB PTZ Speaker Tracking Camera

## User Manual



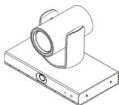
# Overview

Video conferencing is a live video-based meeting between two or more people in different locations using video-enabled devices. Video conferencing allows multiple people to meet and collaborate face to face long distance by transmitting audio, video, text and presentations in real time through the internet.

The Video Conferencing System is the high-quality Video conference call device connected with computers and other intelligent devices. It is provided with the latest generation Video processing algorithm of Low light correction, Auto Focus, Acoustic echo cancellation and environmental noise reduction.

The body of this Video Conferencing Camera is light and voice quality of the call is clear and natural. The device and cable are integrated in such a way that it is very easy to carry, install and operate. It is suitable for computer internet phone conference call and other application scenarios.

## Packing List



PTZ Camera



Power Adapter



Remote  
Controller



USB  
Cable

## Features

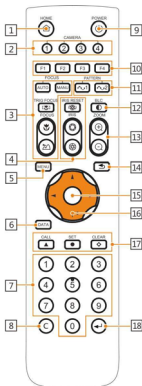
- Full HD 1080P Resolution
- 1 / 2.8 Inch Image Sensor with 2MP Lens
- 72.5° Wide Field of View
- 12X Optical Zoom
- 180° PAN to cover entire Room
- Enhanced PTZ
- USB & HDMI Interfaces
- IR Remote for Easy Control

# Device Connection

## Connect USB data cable:

Insert the USB cable of the Camera into the USB interface of computer and the driver will be installed automatically. After installation, the computer screen will prompt that it is ready or the device can be used. At this time, the host green indicator is always ON, indicating that it has been connected.

# Remote Control



### 1 HOME

Press "HOME" button, camera moves to initial position.

### 2 Camera Selection Button

Press the button of the camera that needs to be operated by the remote control, the cameras can be switched and controlled according to relative address, camera with address 1 corresponds to "CAMERA 1" on the remote controller, camera with address 2 corresponds to "CAMERA2" on the remote controller etc.

### 3 Focus

Press "AUTO" button to switch to Auto Focus, press "MANU" button to switch to Manual Focus mode.

☞ button to Focus Near;

☞ button to Focus Far;

☞ button to Auto Focus once every time it is pressed, then switch back to Manual Focus mode.

### 4 Iris

Press ☞ button to reset iris (image brightness) value to default. ☞ button to Iris Open.

☞ button to Iris Close.

### 5 Menu

Press "MENU" button to enter / exit menu.

### 6 Data

Reserved.

### 7 Number Keys

Used to input numbers, for example, preset number.

## 8 Delete

Reserved.

## 9 Power

After the camera has been connected to power source, press this button to turn on / off the camera.

## 10 Function Buttons (F1, F2, F3, F4)

F1, turn on tracking;

F2, turn off tracking;

F3, switch from different views (when tracking is turned off);

F4, reserved.

## 11 Scan Key

Reserved.

## 12 BLC

Used to open / close back light compensation.

## 13 Zoom

Used to adjust zooming in;

“+” button to zoom in;

“-” button to zoom out.

## 14 Back

Press “” button to go back to previous menu.

## 15 OK

In None-menu status: press this button to switch among pan / tilt control speeds.

In Menu status: get into relative menu option after it has been selected.

## 16 Direction / Menu Operation

In None-menu status, press these four buttons to pan left / right and tilt up / down.

In Menu status: “” or “” button to select among menu options, “” or “” to change option / value.

## 17 Preset Setting

“” button to call a preset.

Input number key(s), and then press this button to call a preset.

“” button to set a preset.

Move the camera to a specific position, adjust focus value etc. Then press this button to set a preset.

“” button to clear a preset.

Input number key(s), and then press this button to clear a preset.

## 18 Enter

Reserved.

# Menu Function Description

- 1) Press menu button to enter / exit menu.
- 2) Click the "menu" which is been enlarged means been selected, and click "enter" to get the menu.
- 3) Click ◀ or ▶ to change the values.

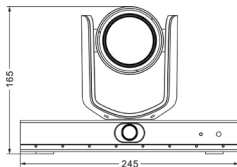
| Category        | Options           | Function                                                                                                                                                                                      |
|-----------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IMAGE</b>    | <b>SHARPNESS</b>  | Used to adjust the sharpness of image and image edge. The higher the sharpness, the higher and clearer the contrast. But the sharpness value is too high, easy to cause the image distortion. |
|                 | <b>BRIGHTNESS</b> | Used to adjust the brightness of the image.                                                                                                                                                   |
|                 | <b>CONTRAST</b>   | Refers to the ratio between the brightest and darkest zones of the image. The greater the ratio, the clearer and brighter the image; Low contrast will make the image gray.                   |
|                 | <b>GAMMA</b>      | To adjust the bright value of the image, the lower the gamma value, the brighter the image, the higher the gamma value, the darker the image.                                                 |
|                 | <b>2DNR</b>       | When the camera is a color image, you are advised to disable the DNR function; Otherwise, the image sharpness will be affected.                                                               |
|                 | <b>3DNR</b>       | The higher the level of noise reduction, the more delicate the picture quality, the smaller the shaking feeling.                                                                              |
|                 | <b>DRC</b>        | It refers to the adaptability of the camera to strong light, specifically to different range of brightness and color temperature.                                                             |
|                 | <b>MIRROR</b>     | The camera image flips 180° horizontally.                                                                                                                                                     |
|                 | <b>FLIP</b>       | The camera image flips 180° vertically.                                                                                                                                                       |
| <b>EXPOSURE</b> | <b>AUTO</b>       | Gain, Shutter Speed and Iris value are adjusted automatically accordingly to working environment.                                                                                             |
|                 | <b>MANUAL</b>     | Manually adjust Gain, Shutter Speed and Iris.                                                                                                                                                 |

|           |               |                                                                                                                                                           |
|-----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | SHUTTER       | Gain and Iris value are adjusted automatically according to working environment; shutter speed value is adjustable manually.                              |
|           | IRIS          | Gain and shutter speed value are adjusted automatically according to working environment; Iris value is adjustable manually.                              |
|           | BRIGHT        | Manually adjust the video brightness.                                                                                                                     |
| COLORTONE | WB            | AUTO, MANUAL, OPWB, STATIC.                                                                                                                               |
|           | SATURA        | The higher the saturation, the brighter the color effect. On the contrary, the lower the saturation, the more the effect tends to black-and-white photos. |
|           | HUE           | Used to adjust the overall tendency of the color of the image, causing the color to rotate.                                                               |
| CAMERA    | RUN SCENE     | Used to set the scene for the camera's best shot.                                                                                                         |
|           | DIGITAL ZOOM  | When the optical magnification reaches the MAX, turn on/off the digital magnification function to continue magnifying the image.                          |
| SYSTEM    | PROTOCOL ADDR | Change the camera address by software without setting the camera address through dip switch.                                                              |
|           | IR ADDR       | Set the IR control address for the camera.                                                                                                                |
|           | PROTOCOL      | Set the camera control protocol.                                                                                                                          |
|           | BAUDRATE      | View and set the current baud rate of the camera.                                                                                                         |
|           | VIDEO FORMAT  | View and set the current video format of the camera.                                                                                                      |
|           | TRACK MODE    | View and set the current tracking mode of the camera.                                                                                                     |
|           | COM MODE      | View and set the current communication method of the camera.                                                                                              |
|           | LANGUAGE      | View and set the current language of the camera.                                                                                                          |
|           | DEFAULTS      | Used to restore all menu parameter settings to factory default settings.                                                                                  |

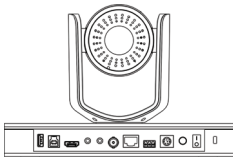
|             |              |                                                                                                    |
|-------------|--------------|----------------------------------------------------------------------------------------------------|
|             | NETWORK      | View and set the current network of the camera.                                                    |
| DEVICE INFO | FIRM VERSION | Displays the firmware version of the current camera.                                               |
| PTZ         | P/T SPEED    | Set camera's Pan / Tilt speeds.                                                                    |
|             | PTZ TRIG AF  | When the camera moves horizontally, vertically and multiplies, it automatically focuses.           |
|             | POWER UP     | This operation is performed when the camera is powered on and doesn't receive the control command. |

## Dimension Drawing

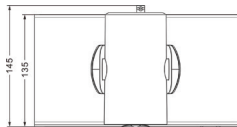
Front view



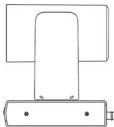
Back view



Top view



Side view



Bottom view

# How to operate

## Application of wired connection of USB interface

Once the wired connection of USB of PTZ Camera is successful, the Video conference systems application software in the computer can be used to establish video conference. The Video conference can be carried out according to the operation method of the application software.

Full HD PTZ Camera using IR Remote control can control Zoom IN/OUT, PAN & Tilt Movement, Setting preset positions of the camera and other setting parameters.

## Points for Attention

1. You can't connect multiple Cameras to the computer or intelligent device at the same time, including the native device, or else a squeak may appear during the call.
2. It is required to connect the USB cable directly to the USB interface of the computer device. It may cause operation problems if it is connected through the USB hub.
3. Check whether the device driver is installed and connected successfully: check whether the default device displays "native device model" in the options of playback (output) and recording (input) of the sound and audio device properties of the computer control panel option, if not, re-select "Native device model" and confirm.
4. When use, it can adjust the volume through the speaker option on the computer if necessary. When using instant messaging or Internet phone application software, please set the device of the model as the preferred audio device.
5. Do not repair the device by yourself or else it may cause electric shock. Please contact your seller if there is any problem needing repair.

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Manufactured in India by



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