

TP 200 WIN

User Guide



Attention

Please read the user manual carefully and follow the installations carefully when using this equipment. Keep this manual for reference. Before connecting the power plug of this device to the external power, please confirm the power voltage value. The voltage is DC19V .

Please use the camera in suitable temperature and humidity. The temperature of is 0°C to +40°C and temperature is <90%. Prevent foreign matter from entering the device and do not spill corrosive liquids on the device to prevent danger.

During transportation, storage and installation, it should be protected from heavy pressure, severe vibration and immersion, causing damage to the product.

Please do not disassemble the devices without authorization. The relevant work should be done by qualified repair person.

Please use a soft, dry cloth to clean the camera. In case of stubborn dirt, wipe it with a mild detergent. Do not use strong or abrasive cleaner to avoid scratching the device casing and lens, affecting image quality.

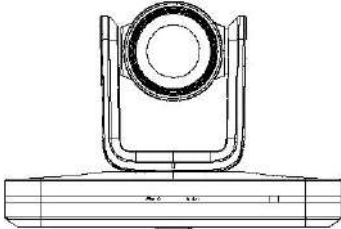


This is A class A product which may cause radio interference in the living environment. In this case, users may be required to take practical measures against interference.

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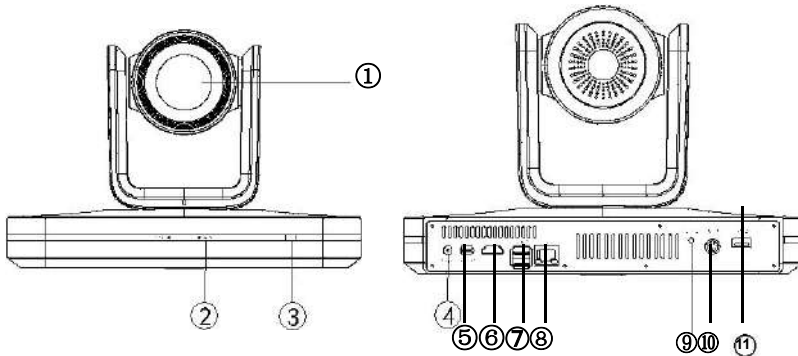
1 Packing List

When unpacking, please check and confirm all attachments that should be provided.

 A line drawing of an HD Video Conference Terminal. It consists of a rectangular base with a camera lens and microphone array mounted on a swivel arm that can rotate upwards.	 A line drawing of a power adapter. It is a rectangular box with a power cord and a connector cable attached to the top.	 A line drawing of a remote control. It is a long, vertical device with a numeric keypad (1-9, 0), a directional pad, and several function buttons at the bottom.
HD Video Conference Terminal x 1	Power Adapter x 1	Remote Control x 1

2 Product Introduction

Product Appearance - interfaces



NO	Function
1	Lens
2	Power Lamp
3	Switch
4	Power port
5	Mini-DP Port
6	HDMI output port
7	USB 3.0
8	Network Port
9	Line in/Out Mic
10	RS-232
11	USB 2.0

After the camera connect to the power supply, it will automatically turn on, or it can be turned on manually by power switch in the power-on state.

The red and green lights are always on during power-on self-test.

The green light is on during normal operation.

The green light flashes when the remote control is controlled.

Remote control switch system can be controlled by the power button of the remote control.

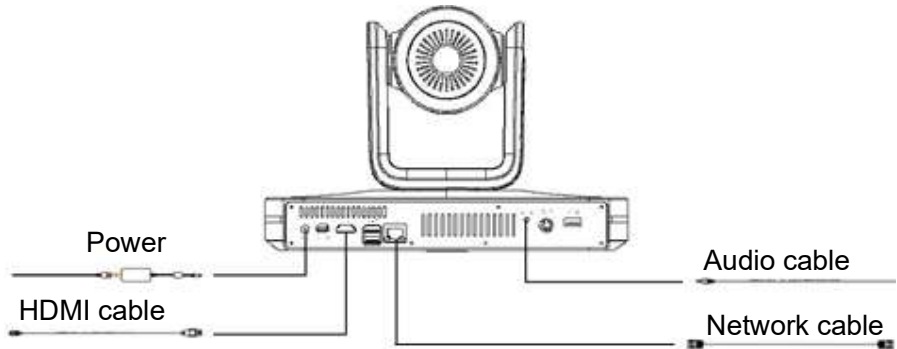
Features

Feature	Description
Imagen Sensor	SONY 1/2.8 Progressive CMOS
Effective Pixels	3.10 Megapixel
Resolution	U3:YUY2:320×240,640×480,800×600,
HD	1280×720,1920×1080
Signal System	PAL/NTSC
Lens	12X optical zoom, f=3.9mm(wide angle end)~46.8 mm(far end)
Horizontal View Angle	72.5°(W)~7.4°(T)
Focus System	Auto/Manual
Minimum Illumination	0.1Lux
Iris	Auto/Manual
Shutter Speed	1/1~1/10,000s
Gain	Auto/Manual
White Balance	Auto/ Indoor/Outdoor/Manual
Image Effect	Full color/Electronic flip
S/N Ratio	≥50db
Pan	355°(max. speed:80°/s)
Tilt	-30° to +30°(max. speed: 60°/s)
Preset position	9 preset positions by IR remote controller
Video input	2 x USB 3.0, 1 x USB 2.0

Feature	Description
Video Output	1*HDMI 1*Mini-DP
Network interface	Wire:1000M port,(10/100/1000M Adaptive)
Control method	Remote control,USB internal control
Power	DC-IN 19V 3.42A

3 Connection instructions.

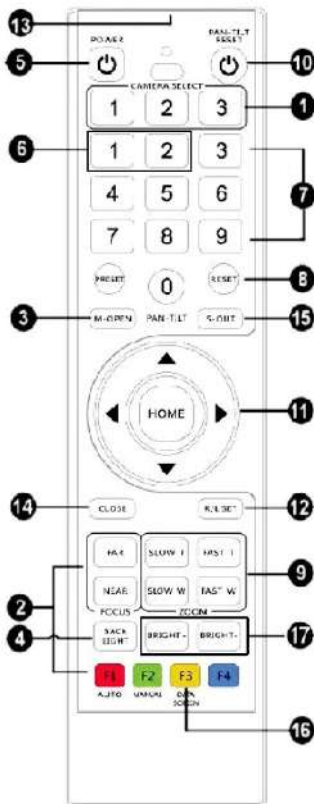
Please check if the connection is correct before starting the camera.



Attention please:

If the preset number 1 is set, after the camera powered, the camera's pan/tilt/zoom will automatically call the preset point 1 . If the preset number 1 is not set, the camera will return to the HOME position, that is, the lens will return horizontally and vertically to the front, and the zoom will be minimized.

4 Use the Remote Control



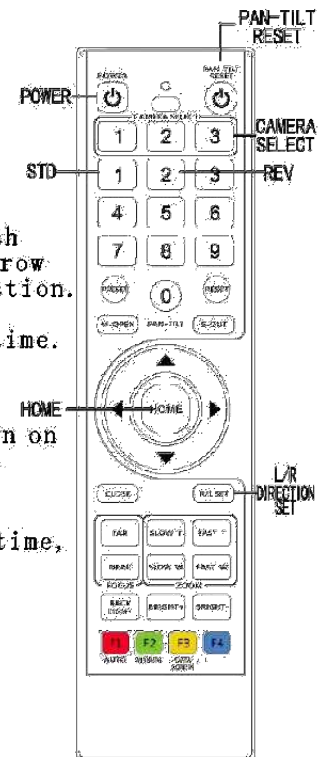
1. Camera Select
2. Focus (auto or normal)
3. M-Open: Open the menu
4. Back light
5. Power
6. Std Rev: (press L/R Direction Set, and then press 1 or 2)
7. Presets (press PRESET then press 1-9 for set up preset position).
8. Reset: Press RESET and then press 1-9 for eliminate preset position.
9. Zoom
10. Pan-tilt Reset
11. Pan-tilt: HOME for return middle position
12. L/R Direction SET
13. IR Transmit
14. Close the MENU

Maintenance Description

Remote Commander Operation

A. Pan/Tilt control

1. Power on, Pan/Tilt will be in initial position.
2. Press arrow for adjust direction, when you can watch video on screen, you can move direction by press arrow step by step or continuously for wild turning direction. If you want to fix direction, please press arrow (up or down) and arrow (left or right) at the same time.
3. Press HOME for front direction.
4. Press PAN-TILT RESET or turn off power and then turn on if direction is not you want, the direction will be change to initial position.
5. Press L/R DIRECTION SET and STD or REV at the same time, meanwhile, move right arrow, you can turn the direction to left or right.



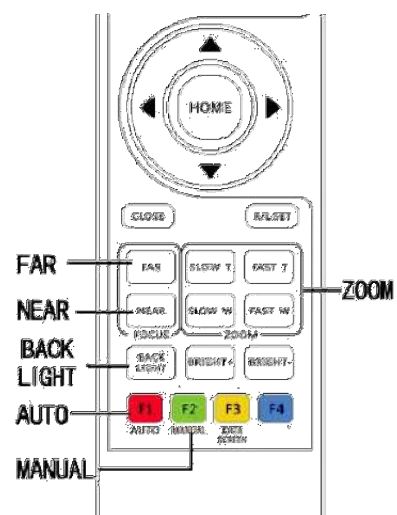
■ ATTENTION:

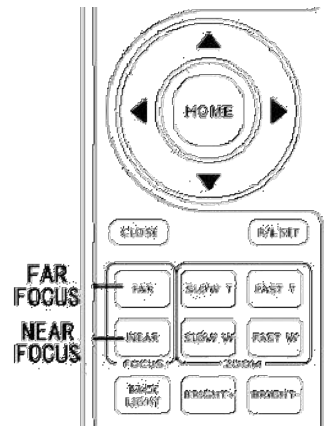
When you use more than one commander, please repeat operation accordingly.

B. Adjust Camera

■ FOCUS

- Press AUTO for focus auto
- Press MANUAL and then adjust far or near by switch FAR OR NEAR



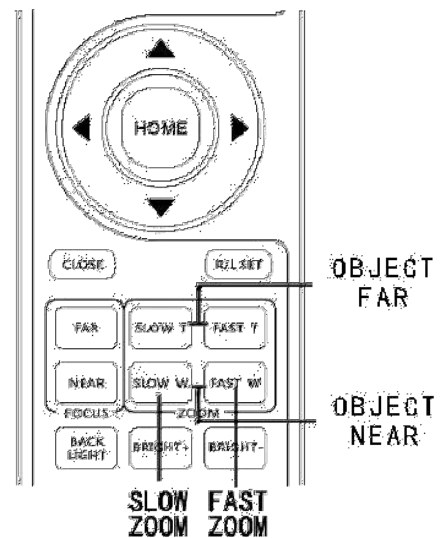


■ **ATTENTION:**

In the condition of far focus, it is natural for the image twitter slowly when operate pan/tilt.

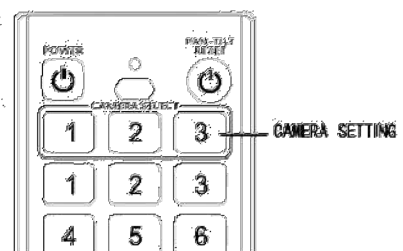
■ **ZOOM**

Adjust T and W for zoom far or near



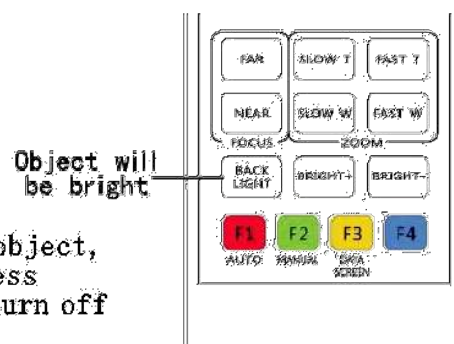
■ **One Remote controller for operating few cameras**

1. Maximum 3 cameras can be controlled by a remote controller through back switch 1, 2, 3.
2. Press CAMERA SELECT 1 or 2 or 3, you can control each of matching 1, 2, 3 camera, 1 or 2 or 3 button will be lighted.



■ **Use back light compensation**

If there is lighting on the back of focusing object, the object will be looks black. So you can press BACK LIGHT for avoiding this happening, and turn off button for close.



5 The Menu

Main menu

COM SETTING: Communication settings

PTZ SETTING: PTZ settings

PICTURE SETTING: Image settings

VIDEO FORMAT: Video format

VERSION: Version of firmware

FACTORY RESET: Restore factory defaults

SAVE AND EXIT: Save and exit.

```
-----MENU-----  
COM SETTING  
PTZ SETTING  
PICTURE SETTING  
VIDEO FORMAT:1080P30  
VERSION  
FACTORY RESET  
SAVE AND EXIT  
-----
```

Communication menu:

PATH: cannot be set

PROTOCOL: Visca/PELCO-P/D/VISCA2

ADDRESS: Set the camera communication address ID

BAUD RATE: set the serial communication baud rate
2400/4800/9600/19200/
38400/115200

DIV GRADE: set the speed range of the PTZ movement

SPEED ACC: set the movement acceleration of the PTZ

```
-----MENU-----  
PATH:          MAIN  
PROTOCOL:     VISCA  
ADDRESS:      1  
BAUD RATE:    9600  
DIV GRADE:    100  
SPEED ACC:    1  
-----
```

PTZ Menu

DZOOM: Digital zoom: ON / OFF

FOCUS MODE: AUTO / MANUAL

REMOTE SPEED: set the speed of the PTZ Movement

REMOTE ACC: Set the movement acceleration of the PTZ

PTZ FLIP: set image flip: ON / OFF

```
-----MENU-----  
DZOOM:         OFF  
FOCUS MODE:    AUTO  
REMOTE SPEED:  7  
REMOTE ACC:    4  
PTZ FLIP:      ON  
-----
```

Image MENU

AE MODE: set exposure mode

WB MODE: White Balance: AUTO / INDOOR /
OUTDOOR / ONE PUSH / ATW / MANUAL

NR: set the noise: OFF / LOW / MIDDLE / HIGHT

BRIGHT: value of the screen: 1-15

SATURABILITY: set the color of the image: 1-14

ACUTANCE: set the acuity of image: 1-15

GAMA: set the gamma of image: 1-4

HUE: show the current hue

MIRROR: mirror: ON / OFF

FLICK: flick of image: OFF / 50 Hz / 60 Hz.

-----MENU-----	
AE MODE	
WB MODE	
NR:	LOW
BRIGHT:	7
SATURABILITY:	10
ACUTANCE:	8
GAMA:	0
HUE:	0
MIRROR:	OFF
FLICK:	50HZ