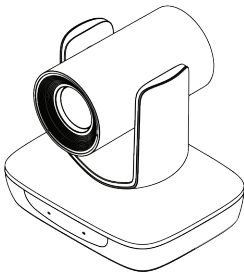


PTC20N V5

AUTO TRACKING CAMERA

User Manual



Quick Guide

The camera can be accessed and controlled via the following ways:

- Client software CameraCMS:
camera search and control, network setting
- VLC: watch the camera two streams
- IE: camera image preview, camera control,
network setting
- Onvif: version 2.1
supported Name: admin
Initial password: 123456
- Network pass-through: recommended connection
mode with recording or streaming device.

Camera CMS

Refer to detailed instructions in page 21 of this user manual.

Rtsp

1 Make sure PC and the camera are in the same LAN.

2. Two channel streams, url: rtsp://IP/chx, x=1, 2.
3. IP address is acquirable through CameraCMS, default rtsp port is 554.

IE

1. Make sure PC and the camera are in the same LAN;
2. Input IP address+ port number 88
(port numbers fixed to 88) in the IE address bar:
http://IP:88, such as http://192.168.18.229:88
3. Install plug-in;
4. Name: admin Initial password: Null;
5. Support Windows 7 or above operation system,
whereas Windows XP is not supported.

ABOUT THE PRODUCT

- 1/2.8 inch CMOS sensor, 2.14 megapixel
- 20x optical zoom, Max FOV: 59.5°
- Support HDMI, 3G-SDI, Network, USB, up to 1080P60 video output
- 1 channel audio LINE IN, AAC Compression
- Support two modes of power supply, POE (optional) power supply or adapter power supply
- Support VISCA interface and protocol, support flow control
- Dual stream.

List Of Parts & Accessories

Camera (1)



Power Adapter (1)



Remote Controller (1)



RS-232 Control Cable (1)



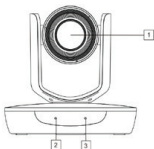
HDMI Cable (1)



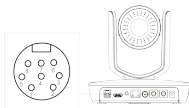
USB Cable (1)

Main Parts & Interfaces

Front View



- 1 Camera Module
- 2 Communication Indicator
- 3 Power Indicator

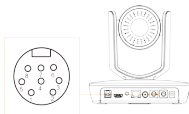


RS-232IN/IR Pin Definition	
Number	Definition
1	/
2	/
3	232-TX
4	GND
5	232-RX
6	GND
7	IR
8	/

Rear View

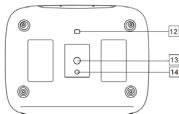


- 4 USB
- 5 HDMI Video Output
- 6 LINE IN
- 7 Network
- 8 SDI
- 9 RS-232IN/IR
- 10 RS-232OUT/RS-485
- 11 DC12V



RS-232OUT/RS-485 Pin Definition	
Number	Definition
1	/
2	/
3	232-TX
4	GND
5	232-RX
6	GND
7	485+
8	485-

Bottom View



12 DIP Switch

Set camera video format and menu.

13 Mounting Hole

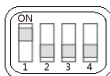
1/4"inch screw thread for fixing camera.

14 Locating Hole

To define installation direction of camera.

DIP Switches Settings

Before installing and operating the camera, set video output format and menu through DIP switches. The camera has two 4-digit DIP switches. SW as below:



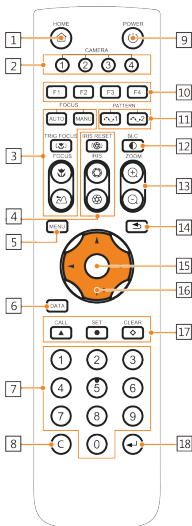
SW Settings

No 1~4 is used to set video output format and menu. Refer to below chart for details:

SW				
SWITCH NO.	1	2	3	4
1080P25	OFF	ON	ON	ON
1080P30	ON	OFF	ON	ON
720P50	OFF	OFF	ON	ON
720P60	ON	ON	OFF	ON
1080i50	OFF	ON	OFF	ON
1080i60	ON	OFF	OFF	ON
1080P50	OFF	OFF	OFF	ON
1080P60	ON	ON	ON	OFF
MENU	ON	ON	ON	ON

Please change video formats through special presets.

Remote Controller



1 HOME

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

2 Camera Selection Button

Used to switch among 4 cameras, press 1-4 number buttons to control cameras with 1-4 addresses respectively. For example, press button 1 to control the camera with address 1.

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 (brighter image)

📶 button to Iris Close (darker image).

5 Menu

Press **MENU** button to enter / exit menu.

6 Data

Reserved.

7 Number Keys

Used to input numbers, for example, preset number.

8 Cancel

To cancel numbers input

9 Power

After the camera has been connected to power source, in none-menu status, press this button to turn on / off the camera.

10 Reserved Buttons (F1, F2, F3, F4)

Reserved.

11 Pattern

Reserved.

12 BLC

Used to open / close back light compensation.

13 Zoom

Used to adjust zooming times.

“” 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 and etc, and 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

After inputting numbers, press this button to confirm.

Maintenance

Camera Maintenance

- If the camera is not used for a long time, please disconnect the power after use.
- Use soft cloth or cotton paper to remove dust from the camera housing.
- When cleaning the camera lens, please use dry soft cloth to wipe, if dirt is serious, use neutral cleaner gently. Do not use strong or corrosive detergent, lest the lens scratch, affect the image effect.

Avoid Using

- The camera should avoid shooting particularly bright objects, such as sunlight, lights, etc.
- The camera should not work under unstable lighting conditions, otherwise the image will flash.
- Do not use around facilities that can transmit high-power radio waves, such as television station or radio-transmitting station.

Please do not attempt to repair the device, or there is a risk of electric shock.

If there is a problem that needs to repair, please contact your dealer For Installation, Service and Support: Email support@atnetindia.net

Service and Support:

support@atnetindia.net
1800-425-5847

Manufactured in India by



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