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Contents

Introduction1
Remote Control1
Command List2
Menu Settings
EXPOSURE
COLOR5
NOISE REDUCTION
SETUP
COMMUNICATION SETUP
RESTORE DEFAULT10
USB 3.0
IP Function
Access Through a Local Area Network (LAN)11
Access Through a Wide Area Network (WAN)12
IP Camera Parameter Setup12
Control Interface Definition16
Network Configuration17
Maintenance and Troubleshooting18
Camera Maintenance
Unqualified Application18
Troubleshooting18

Introduction

This user manual provides advanced information regarding control of the ClearOne UNITE 200 Pro PTZ HD Camera. Additional information about the camera is provided in the corresponding Datasheet and Quick-Start Guide, which are available in ClearOne's Resource Library.

Remote Control

1. Standby Button

Press this button to enter standby mode. Press it again to enter normal mode.

Note: Power consumption in standby mode is approximately half of the normal mode

2. Position Buttons

To set preset or call preset

- 3. * Button
- 4. Set/Preset Buttons

Set a corresponding numeric key preset position

[PRESET] + Numeric button (0-9)

Note: Preset 0-9 via remote control and the rest from keyboard and the serial port.

5. Pan-Tilt Control Buttons

Press the arrow buttons to perform panning and tilting. Press the [HOME] button to face the camera back to front.

6. Return Button

Press to return to previous menu.

7. Zoom Buttons

Slow Zoom: Zoom In [+] or Zoom Out [-] slowly

Fast Zoom: Zoom In [+] or Zoom Out [-] fast

8. L/R Set Button

Press at the same time as the numeric button 1 [STD] and button 2 [REV] to set the direction of the Pan-Tilt

L/R Set +1[STD]: set the Pan-Tilt turn the same direction as the L/R Set

L/R Set +2[REV]: set the Pan-Tilt turn the opposite direction as the L/R Set

9. Focus Buttons

Press [AUTO] to adjust the focus on the center of the object automatically.

Press [MANUAL] to adjust the focus manually.

Press [FAR] to focus on a far object.

Press [NEAR] to focus on a near object.

Camera Select Buttons 10.

Press the button corresponding to the camera you want to control with the remote controller.

Button 11.

Used with other buttons



12. Set Camera IR Address Buttons

Function 1. Set camera IR address

[*]+[#]+[F1]: Address 1 [*]+[#]+[F2]: Address 2 [*]+[#]+[F3]: Address 3

[*]+[#]+[F4]: Address 4

Function 2: Image freezing function

Press [F4] to start the freeze function. The word "Freeze" displays in the upper left. After five seconds, the display automatically disappears (though the freeze feature continues). To cancel the freeze, press the [F4] key the word "Unfreeze" displays in the upper left. After five seconds, the display automatically disappears.

13. Reset Buttons

Clear a specific preset: [Reset] + Numeric button (0-9)

Clear all presets: [*]+[#]+[Reset]: Erase all presets

14. Pan/Tilt Control Buttons

Press arrow buttons to perform panning and tilting. Press [HOME] button to face the camera back to front.

15. **MENU**

Press MENU to enter or exit the OSD menu.

16. BLC (Backlight Compensation) Button

If there is light behind the subject, the subject will appear dark.

Press this button to enable the backlight compensation. Press it again to disable the backlight compensation.

Press the backlight ON / OFF button. To cancel this function, press the backlight ON / OFF button.

Note: The BLC feature is effective only in auto exposure mode.

Note: If light behind the subject exists, the subject appears dark. In this case, press the backlight ON / OFF button. To cancel this function, press the backlight ON / OFF button.

17. Pan/Tilt Reset

Reset Pan/Tilt self-test.

Shortcut Set:

- [*]+[#]+[1]: Display OSD menu in English
- [*]+[#]+[3]: Display OSD menu in Chinese
- [*]+[#]+[5]: Save OSD
- [*]+[#]+[6]: Quickly recover the default settings
- [*]+[#]+[8]: Show the camera version
- [*]+[#]+[9]: Quickly set mount mode (flip/normal)

Command List

The camera uses the VISCA/Pelco-D/Pelco-P serial standard.

If you need ISCA/Pelco-D/Pelco-P protocol command list detail, please contact ClearOne Technical Support.

Menu Settings

Press the [MENU] button to display the main menu. Use the arrow buttons to select the item to be set.

Press the [HOME] button to enter a sub-menu.



EXPOSURE

Select Exposure from the main menu and press the [HOME] button. The EXPOSURE menu appears.

The table on the following page provides information about Exposure settings.

EXPOSURE ▶ Mode Auto ExpCompMode Off Backlight Off Gain Limit 2 Anti-Flicker 60Hz Meter Average DRC 2 ▲▼ Select Item ▲►Change Value [Menu] Back

Setting	Description	0	ptions	Effective only when the exposure mode is set to
Mode		• Auto	• AAE	
		• Manual	 Bright 	
		• SAE		
ExpCompMode	Exposure compensation	• On		Auto
	mode	• Off		
ExpComp	Exposure Compensation value	-7 ~ 7		NA Only when ExpCompMode is on.
Gain Limit	Maximum gain limit	0~15		Auto/AAE/Bright.
Backlight	Set the backlight	• On		Auto.
	compensation	• Off		
DRC	DRC strength	0~8		NA
Bright	Intensity control	00~17		Bright.
Anti-Flicker	Anti-flicker	• Off	• 60 Hz	Auto/Bright.
		• 50 Hz		
Meter		Average	Bottom	NA
		Center	• Тор	
Iris	Aperture value	• F1.8	• F5.6	Manual/AAE
		• F2.0	• F6.8	
		• F2.4	• F8.0	
		• F2.8	• F9.6	
		• F3.4	• F11.0	
		• F4.0	Close	
		• F4.8		
Shutter	Shutter value	• 1/30	• 1/725	Manual/SAE
		• 1/60	• 1/1000	
		• 1/90	• 1/1500	
		• 1/100	• 1/2000	
		• 1/125	• 1/3000	
		• 1/180	• 1/4000	
		• 1/250	• 1/6000	
		• 1/350	• 1/10000	
		• 1/500	-	

COLOR

From the main menu, select Color, then press the [HOME] button.

The system displays the COLOR menu.

COLOR► WB ModeAutoRG Tuning+6BG Tuning0Saturation100%Hue5▲ Select Item5▲ Change Value[Menu] Back

Setting	Description	Options	Effective only when
WB-Mode	White balance mode	Auto OnePush	NA
		Indoor Manual	
		• Outdoor	
RG	Red gain	0 ~ 255	WB-Mode is set to Manual.
BG	Blue gain	0~255	WB-Mode is set to Manual.
RG Tuning	Red gain fine-tuning	-10 ~ +10	AWB sens is set at Low.
BG Tuning	Blue gain fine-tuning	-10 ~ +10	AWB sens is set at Low.
Saturation	Saturation	60% ~ 200%	NA
Hue	Chroma adjustment	0~14	NA

IMAGE

From the main menu, select Image, then press the [HOME] button. The system displays the IMAGE menu.

IMAGE

Luminance	7	
Contrast	9	
Sharpness	3	
Flip-H	Off	
Flip-V	Off	
B&W-Mode	Off	
Gamma	0.45	
Style	CStyle	
▲▼ Select Item		
♦ ►Change Value		
[Menu] Back		

Setting	Description	Options
Luminance	Brightness adjustment	0~14
Contrast	Contrast adjustment	0~14
Sharpness	Sharpness adjustment	• Auto
		• 0 ~ 15
Flip-H	Image flipped horizontal	• On
		• Off
Flip-V	Image flipped vertical	• On
		• Off
B&W-Mode:	Image color	• On
		• Off
Gamma		Default 0.56
		• 0.45 • 0.63
		• 0.5
Style		Norm Bright
		Clarity CStyle

$\mathbf{P}/\mathbf{T}/\mathbf{Z}$

From the main menu, select P/T/Z, then press the [HOME] button. The system displays the P/T/Z menu.

Setting	Description	Options	
SpeedByZoom	The depth of field	• On	
AF-Zone	Interested in	Off Top Botton	n
		Center	
AF-Sense	Automatic focusing sensitivity options	• Low • High • Normal	
L/R Set		• STD	
		• REV	
Display Info		• On	
		• Off	
Image Freeze		• On	
		• Off	
Digital Zoom		• 2X • 16X	
		• 4x • Off	
		• 8X	
Call Preset Speed		1 - 24	

P/T/Z

 SpeedByZoom 	On	
AF Zone	Center	
AF-Sense	High	
L/R Set	STD	
Display Info	On	
Image Freeze	Off	
Digital Zoom	Off	
Call Preset Speed	24	
▲▼ Select Iter	n	
◆Change Value		
[Menu] Back		

NOISE REDUCTION

From the main menu, select Noise Reduction, then press the [HOME] button.

The system displays the NOISE REDUCTION menu.

Setting	Description	Options	
NR2D-Level	2D noise reduction	• Off • 1 - 5	
		• Auto	
NR3D-Level	3D noise reduction	• Off • 1 - 8	
D-HotPixel	Dynamic bad points	• Off • 1 - 5	
		• Auto	

NOISE REDUCTION

- ▶ NR2D-Level off
 - NR3D-Level 3
 - D-HotPixel Off
- ▲▼ Select Item
- Change Value
- [Menu] Back

SETUP

From the main menu, select Setup, then press the [HOME] button. The system displays the SETUP menu.

Setting	Description	Ор	tions
Language	Menu language	ENChinese	• Russian
System Frequency		• 50 Hz	• 60 Hz



COMMUNICATION SETUP

From the main menu, select Setup, then press the [HOME] button. The system displays the COMMUNICATION SETUP menu.

Setting	Description	Options
Protocol	Control protocol type	• AUTO • PELCO-D
		• VISCA • PELCO-P
P_D_ Address	PELCO-D protocol	0 ~ 254
P_P_Address	PELCO-P protocol	0 ~ 31
V_AddrFix	Set whether users can change VISCA address	• On (set to On, useless in 88.30.01 FE Command)
	through serial port or keyboard	• Off
V_Address	Protocol address	1 ~ 7
	to agreement (AUTO, VISCA protocol)	
Net Mode	Set the serial port control	• Serial
	networking	Parallel
Baudrate	Serial port baud rate	• 2400 • 9600
		• 4800
1		

COMMUNICATION SETUP		
▶ Protocol	VISCA	
V_Address	1	
V_AddrFix	Off	
Net Mode	Serial	
Baudrate	9600	
▲▼ Select Item ∢►Change Value [Menu] Back		

RESTORE DEFAULT

From the main menu, select Restore Default, then press the [HOME] button.

The system displays the RESTORE DEFAULT menu.

Setting	Description	Options
Restore	Confirm restore	• Yes
	factory settings	• No



Note: Press [HOME] button to confirm.

RESTORE DEFAULT ►Restore? No Change Value [Home] OK [Menu] Back

USB 3.0

The camera supports UVC protocol, compatible USB 2.0 & USB 3.0.

USB 3.0 support 1920x1080p/30 max output.

Support OS: Windows 7/8/8.1/10, Linux, Mac OS, etc.

General software are as follows:

- Windows: AMCAP, VLC, Debut Video Capture, etc.
- Linux:V412 software driver and VLC media player, etc.
- Mac OS: FaceTime. iChat, Photo Booth and Debut Video Capture, etc.

E.

Note the following:

- ClearOne recommends the use of AMCAP version 8.0 in Windows, as its software performance is more stable. When you use the high version of AMCAP in a low configuration system, it shows the stream rendering.
- The first time the camera is accessed by USB cable, you must install a plug-in.

IP Function

Access Through a Local Area Network (LAN)

1. Setup IP address

The camera's default IP address is 192.168.100.88.

If you forget the camera's IP address or have changed it, to show the camera IP address on screen, on the remote control, press * and # and 4.

To change the camera's IP address:

- a. Open the camera's Web interface (see Access Camera's Web Interface later in this Manual for detailed instructions).
- b. On Web interface page, find
 "Network"--->Change IP. Enter a new IP address, then Click "Apply".

c. Restart camera.

Lan Settings	
IP Configuration Type:	Fixed IP Address 🔹
IP Address:	192.168.100.88
Subnet Mask:	255.255.255.0
Gateway:	192.168.100.1
DNS Address:	192.168.100.1
MAC Address:	D4 : E0 : 8E : DB : 18 : 06
Port Settings	
HTTP Port number:	80 (80)
RTSP Port:	554 (554)
PTZ Port:	5678 (5678)
Control Protocol Settings	
Visca Address:	1 (1~7)
Pelco-D Address:	0 (0~255)
Pelco-P Address:	0 (0~31)
RTMP Settings	
First stream:	On o Off □ Video □ Audio
MRL:	rtmp://192.168.100.138/live/stream0
Second stream:	On
MRL:	rtmp://192.168.100.138/live/stream1
RTSP Settings	
RTSP Auth:	On ⊚ Off
ONVIF Setting	
ONVIF:	⊙ On ⊙ Off
ONVIF Auth:	On ⊚ Off
Multicast Setungs	
Address:	
Address.	224.1.2.3
Port:	6688
	Apply Cancel

2. Access camera's web

Input http://192.168.100.88 into a browser (Internet Explorer and Firefox work best).



- Note the following:
- If you have changed the camera's IP address, enter the new address.
- To access the camera with an IP address, you must be on the same network as the camera.

A login window appears. Input the user name and password. The default for both is "admin".

Your login window may not look exactly like this, depending on your operating system and browser):



After login, the Web interface appears, as shown below:



Note: If this is the first use of the web interface, you must install the VLC player software.

Access Through a Wide Area Network (WAN)

Dynamic DNS setup for accessing the camera

Once you have set a domain name to the camera, and have forwarded the traffic to the correct address and port number, you can use a domain name to access the camera. The access link is: http:// hostname: port number.

For example, set up host computer name as: youdomain.f3322.org, camera port number: 554. The access link would be: http://youdomain.f3322. org:554.

VLC stream media player monitoring

VLC media server procedure

- Open VLC media player, click "Media"->"Open Network Steam", or type "Ctrl + N".
- 2. Input stream address: rtsp://ipaddress:port number/1 (Main stream).
- 3. Example: rtsp://192.168.100.88:554/1
- 4. rtsp://ipaddress:port number/2 (Sub stream).
- 5. Example: rtsp://192.168.100.88:554/2

Note: The default RTSP port number is 554.

IP Camera Parameter Setup

Homepage

Menu

All pages include two menu bars:

- · Real time monitoring: displaying video image
- · Parameter setup: with function buttons

Video viewing window

The video viewing window must be the same as video resolution; the bigger the resolution, the bigger the playing area. To show full-screen, double-click the viewing window; to return to initialized size, double-click again.

🔏 Open Media
File Disc Dis Disc Disc Disc
rtsp://192.168.100.88:554/1 http://www.example.com/stream.avi rtp://0:1234 mms://mms.examples.com/stream.asx rtsp://server.example.org:8080/test.sdp http://www.yourtube.com/watch?v=gg64x
Show more options

- Pan-Tilt control: Up, Down, Left, Right, Home button.
- Rate: You can choose vertical speed as 1 24, horizontal direction at the rate of 1 20. Select corresponding speed and click direction button to realize PTZ speed increase or decrease.
- Zoom In/ Zoom out: for zooming in or zooming out. Focus In/ Focus Out: Focusing on distant objects or Focusing on close objects.
- Set/Call: After you have set PTZ to a desired position, you can save that configuration as a preset for later use. Click the "Set" button to save a preset. At any point later, you can click the "Call" button to call this preset.

Zoom In Zoom Out Focus In Focus Out Pan Speed 10 • Tilt Speed 10 • Zoom Speed 5 • Focus Speed 5 • Set Call Preset (0~254)

Media

Select "Video".

• Video format

Supports 50 HZ (PAL) and 60 HZ (NTSC), and Dial priority.

- Encode Protocol Supports MJPEG, H.264 and H.265.
- Encode Level

Supports baseline, main profile, and high profile.

Resolution

Main bit rate supports 1920x1080, 1280x720 and 1024x576.

Minor bit rate supports 720x480, 720x576 and 320x240.

The higher the resolution, the clearer the image, but this uses more network bandwidth.

Bit Rate

You can assign bit rate/stream. Generally, the higher the bit rate, the clearer the image. The bit allocation must combine with network bandwidth. If the network bandwidth is too low and the allocated bit rate is too high, the video quality suffers.

Frame rate

You can specify the frame rate. Generally speaking, the higher the frame rate, the smoother the image; the lower the frame rate, the choppier the image.

• I key frame interval

Set the interval between 2 and 150. The larger the interval, smaller the response from the viewing window.

Video Settings

Encode Protocol:

Dial Priority -

mainprofile -

1920x1080 👻

(32~8192) kbps

(32~6144) kbps

(2~150)

(2~150)

Apply

○ CBR ○ VBR

○ CBR ○ VBR

4096

30

30 - fps

1 -

1024

30

1 👻

320x240 -

30 - fps

H264 -

Video Format:

Encode Level:

Resolution:

Frame Rate:

I Key Frame Interval:

Bit Rate Control:

Fluctuate Level:

Resolution:

Frame Rate:

I Key Frame Interval:

Bit Rate Control:

Fluctuate Level:

Bit Rate:

Bit Rate:

Bit Rate control

Options:

Constant bit rate: video coder codes per preset speed

Variable bit rate: video coder adjusts the speed to gain the best image quality

Back to Table of Contents

Cancel

• Fluctuate level

Restrain the fluctuation magnitude of variable rate. Options: 1 - 6

Image Setup

Click "Image."

• Brightness

Image brightness, 0 -14, slider control, on the right shows the corresponding numerical value. The default value is 7.

Saturation

Saturation 0 - 14, slider control, on the right shows the corresponding numerical value. The default value is 4.

Contrast

Contrast 0 - 14, slider control, on the right shows the corresponding numerical value. The default value is 8.

Sharpness

Sharpness 0 - 15, slider control, on the right shows the corresponding numerical value. The default value is 3.

• Hue

Hue 0 - 14, slider control, on the right shows the corresponding numerical value. The default value is 6.

• Flip & Mirror

Select Flip to turn the image upside down; select Mirror to flip the image horizontally. The default value for both is not selected.

• Apply, Cancel, and Default Buttons

After you adjust any parameters, to save the settings click "Apply"; to cancel the parameter adjustments, click "Cancel". To revert to the default value, click "Default".

Audio Setup

Click "Audio."

• Audio Type

Option: AAC.

- Sample rate Options: 44.1K and 48K.
- Bit rate Options: 96K, 128K, 256K.
- Input Type
 - Option: line in only
- Input Vol L and Input Vol R The gain of the Line in.
- Apply and Cancel buttons

To save changes, click "Apply", or to discard the changes click "Cancel".



Audio Settings	
Audio Type:	AAC -
Sample Rate:	48K -
Bit Rate:	96K -
Input Type:	Line in 👻
Input Vol L:	0 (-97~30) db
Input Vol R:	0 (-97~30) db
	Apply Cancel

System Setting

Click "System."

- Work Mode
 Work Mode RTSP
- Reboot Click the "Reboot" button to restart the system.
- User and password

You can modify the password (letters and numbers only)

• Apply / Cancel

Modify the password, then to change the password, click "Apply", or to cancel the change click "Cancel".

Live	Initialize		
Video	Work Mode:	RTSP V	
Image	Reboot:	Reboot	
Audio	User		
System	UserName:	admin	
Network	Passwd:	•••••	
Information			
		Apply	Cancel
Zoom In Zoom Out			
Focus In Focus Out			
Pan Speed 10 V			
Tilt Speed 10 🗸			
Zoom Speed 5 🗸			
Focus Speed 5 V			
Set Call			
Preset (0~254)			

User Manual

Network Setting

Click "System."

• LAN Settings

The default IP address is 192.168.100.88. The MAC address can be modified.

Port Settings

HTTP Port, Default port number: 80

RTSP Port, Supports the RTSP protocol. Default port number: 554.

PTZ Port, Supports PTZ protocol. Default port number: 5678.

Control Protocol Setting

Camera control communication protocols include Visca address, Pelco-D address, and Pelco-P address.

• RTMP Setting

When configuring the camera stream, can set up two streams, in the two stream selection control code stream of "On", "Off", "Video", "Audio", etc.

RTSP Setting

Setting network camera RTSP protocol of "On", "Off".

Multicast Setting

Multicast switch, multicast address (default address 224.1.2.3) and port (default port number: 6688) can be set.

Apply / Cancel

Modify network parameters then click "Apply" to save the changes, or click "Cancel" to discard the changes.

Live Video

Image

Audio System

Network Informatio

Zoom In Zoo

Focus In Foci

Pan Speed

Tilt Speed Zoom Speed

Focus Speed

Set

reset

	Lan Settings	
	IP Configuration Type.	Reed IP Address
	IP Address.	192.168.100.88
	Subnet Mask.	255.255.255.0
	Gateway:	192.168.100.1
	DNS Address	192.168.100.1
n	MAC Address:	04 FO SE 81 FE 80
-	Port Settings	
	HTTP Port number:	80 (08)
	RTSP Port	554 (554)
D	PTZ Port	5678 (5678)
	Control Protocol Settings	
	Visca Address:	1 (1~7)
mOut	Pelco-D Address:	0 (0~255)
us Out	Pelco-P Address:	0 (0~31)
10 -	RTMP Settings	
10 -	First stream:	On Ott Video Audio
5 *	MRL:	rtmp://192.168.100.138/live/stream0
5 -	Second stream:	On Ott Video Audio
	MRL:	rtmp://192.168.100.138/live/stream1
all	RTSP Settings	
0~254)	RTSP Auth:	○ On ◎ Ott
	ONVIFSetting	
	ONVIF:	On ⊙ Off
	ONVIF Auth:	⊙ On ⊚ Off
	Multicast Settings	
	Multicest	On ⊙ Off
	Address:	224.1.2.3
	Port	0088

Device Information

Click "Information", the current device information as shown.

Information		
Device ID:	Unite 200	
Software Version:	SOC v6.1.69 - ARM v7.1.985	J
Webware Version:	v1.3.2]
	Apply	Cancel

Serial Command Control

In default working mode, the camera can be controlled via RS-232 or RS-485 (half-duplex mode).

The parameters are as follows:

- Baud rate: 2400/4800/9600 bits
- Start bit: 1 bit
- Data bit: 8 bits
- Stop bit: 1bit
- · Parity bit: none

The process of initialization is complete when the camera pan-tilt rotates to the maximum position of top right and then returns to the center.

Note: If the position preset 0 has been stored, the position preset 0 is called up after initialization, and users can control the camera with commands in the following command list.

Control Interface Definition

Pin Number	Function
1	DTR
2	DSR
3	TXD
4	GND
5	RXD
6	RS485-
7	IR OUT
8	RS485+



User Manual

Camera	DB - 9 Serial
1. DTR	1. CD
2. DSR	2. RXD
3. TXD	3. TXD
4. GND	4. DTR
5. RXD 🗡	5. GND
6. RS485-	6. DSR
7. IR OUT	7. RTS
8. RS485+	8. CTS
	9. RI

Camera In	Camera Out
1. DTR	1. DTR
2. DSR	2. DSR
3. TXD	3. TXD
4. GND	4. GND
5. RXD 🗡	5. RXD
6. RS485-	6. GND
7. IR OUT	7. NC
8. RS485+	8. NC

Network Configuration

With VISCA



With Pelco



Maintenance and Troubleshooting

Camera Maintenance

- If you choose not to use your camera for a long time, turn off the power switch and disconnect AC power cord of AC adapter to the outlet.
- Use soft cloth to clean the camera cover.
- Use the soft dry cloth to clean the lens. If the camera is very dirty, clean it with diluted neutral detergent. Do not use any type of solvents, which may damage the surface.

Unqualified Application

- Do not shoot extremely bright objects for a long period of time, such as sunlight, strong light sources, etc.
- Do not operate in unstable lighting conditions, as image may flicker.

Troubleshooting

Trouble	Solution
No Image	 Check whether the power cord is connected, voltage is OK, POWER lamp is lit.
	 Check whether the camera can self-test after start up.
	 Check the video cable to make sure it is connected correctly.
Abnormal display of image	Check the video cable to make sure it is connected correctly.
Image dithering even at widest zoom	 Check whether the camera is fixed correctly.
position	 Make sure there is nothing nearby causing vibrations.
IE browser does not show video image	 When the camera is accessed the first time by Internet Explorer (or another web browser), you must install the plug-in.
	 The first time you use the camera by internet (only for new user), you must install the player software (VLC). Please go to VLC website http://www. videolan.org/vlc and Install VLC (player software).
	 After installation, log in again. You should see the video stream on the home page of the Web interface.
Unable to access IP Camera by browser	 To rule out cable failure or network failure caused by a virus, make sure your computer is connected to the network, Make sure you can ping the computer from another computer and that computer can ping other computers on the local network or the gateway.
	• Disconnect the camera from the network, ensure that the camera and PC are connected (either directly, with a crossover cable, or with a router or switch), and then follow the directions earlier in this guide to reset the IP address.
	Check the server's IP address and subnet mask and gateway address.
	Check for MAC address conflicts.
	 Make sure the HTTP port is not occupied by other devices, or that routing rules are not sending the traffic to a different address or port.
IP address modified incorrectly or forgot Web interface password	 You can recover access to the camera with use of the IR remote control. Press "[*] + [#] + [Manual]" to restore the default values (default IP: 192.168.100.88, default username: admin, default password: admin).
The IR remote control cannot control	Change the remote control battery.
the camera	Check the camera working mode.
	Check that the IR address of the Remote Commander is set correctly.

Trouble	Solution
Serial communication cannot control	Check the camera working mode.
the camera	 Check that the control cable is connected correctly.
No sound	Check the audio connection to the host PC
	 Check IP Camera audio parameter settings, and check if intercepting function is on .