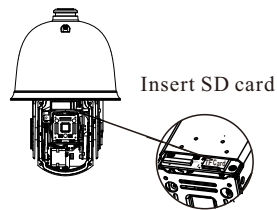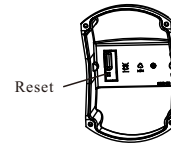# IP SPEED PTZ CAMERA
Quick Start Guide

Thank you for purchasing Sibell. We are always looking to improve and will update the products or procedures as technology changes and the industry adapts. If you need further product assistance please contact your technical support specialist.
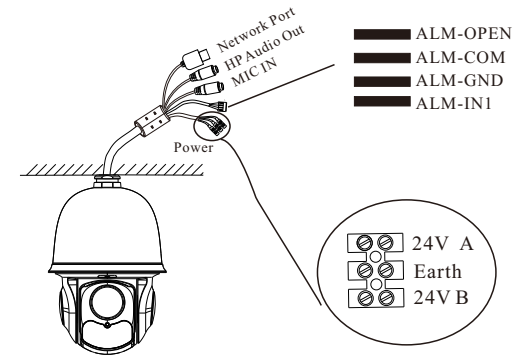
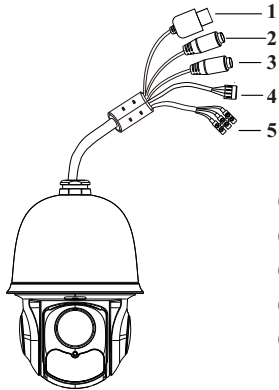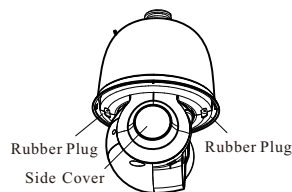Content is subject to change without notice.*

1. Interfaces and Parts

① LAN
② HP Audio Out
③ MIC In
④ Alarm In/Alarm Out
⑤ Power

2. Installation

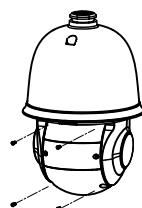☞ **Please make sure the wall is strong enough to bear the dome camera's weight. Please make sure the camera is powered off during installation.**

◆ Install SD Card

Rubber Plug
Rubber Plug
Side Cover

① Pull out the rubber plugs and then loosen the screws under the rubber plugs to remove the side covers .

② Loosen the four screws of the back cover of the dome.
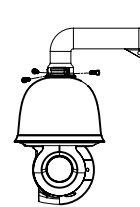

Insert SD card

③ Open the back cover and insert SD card.

Reset

④ Install the back and side covers. The reset hole in the back cover must be aimed to the reset key of the mainboard when installing the back cover.
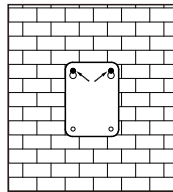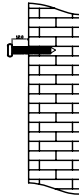
◆ Install the Speed Dome
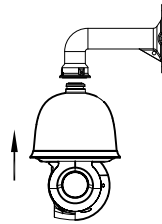
① Pull the cables through the bracket. Mount the speed dome to the bracket.
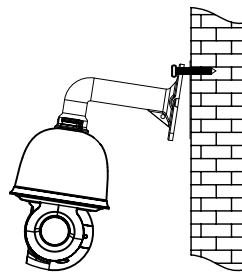
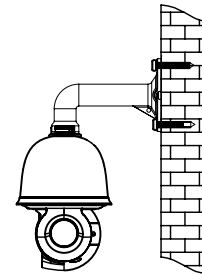② Secure the speed dome to the bracket with the screws.

③ Drill the screw holes on the wall according to the drill template. Then insert the plastic plugs into the holes.

④ Drive the two screws to the holes indicated by the arrows (left) and leave 12mm clearance.

⑤ Connect the cables and then hang the bracket on the wall .

⑥ Fix the bracket to the wall with four screws.

3. Connections

Network Port
HP Audio Out
MIC IN

ALM-OPEN
ALM-COM
ALM-GND
ALM-IN1

Power

24V A
Earth
24V B

Alarm Connection:

1.   Alarm Input

a) There is one independent alarm input port (ALM-IN1) and one grounding port (ALM-GND).

b)Alarm input(NO type): Connect DC5V~DC12V voltage between the alarm input port(ALM-IN1) and the grounding port (ALM-GND).

c) Alarm input(NC type): Disconnect the voltage between the alarm input port(ALM-IN1) and the grounding port (ALM-GND).

2.   Alarm Output

a) Support 1CH alarm output including OPEN, COM connections.

b) Alarm output: One passive switch for user to connect alarm devices; the alarm output state will be auto on/off according to your setting.

4. IE Network Connections

● **SECTION 1: Accessing the camera using the IP Tool**

1.**Default Network settings for the camera are:
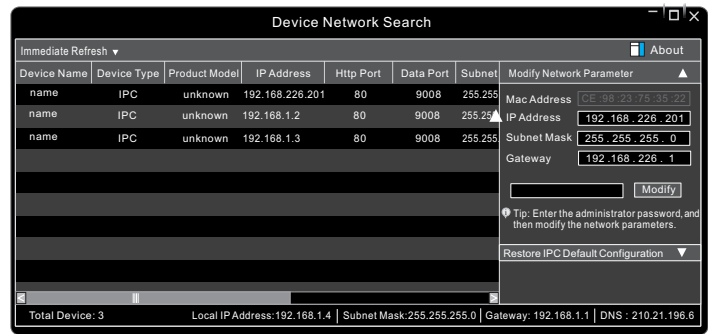   IP address: 192.168.226.201
        Subnet Mask 255.255.255.0
        Gateway: 192.168.226.1

2. Connect the IP camera and a Windows computer to a network switch or router

3. Find IPTool on the CD, and install it on the computer.

4. Determine what the local network scheme is.

5. Type IPCONFIG within the console > Press Enter

6. Listed is LOCAL AREA CONNECTION with an IP address/Subnet Mask/Default Gateway

7. Write down the information for local area connection displayed in Command prompt

8. Double-click to open the IP search tool

Device Network Search

Device Name	Device Type	Product Model	IP Address	Http Port	Data Port	Subnet
name	IPC	unknown	192.168.226.201	80	9008	255.255
name	IPC	unknown	192.168.1.2	80	9008	255.25
name	IPC	unknown	192.168.1.3	80	9008	255.255

Modify Network Parameter
Mac Address CE :98 :23 :75 :35 :22
IP Address 192 .168 .226 .201
Subnet Mask 255 . 255 . 255 . 0
Gateway 192 .168 .226 . 1
Modify
Tip: Enter the administrator password, and then modify the network parameters.
Restore IPC Default Configuration
Total Device: 3   Local IP Address:192.168.1.4 | Subnet Mask:255.255.255.0 | Gateway: 192.168.1.1 | DNS : 210.21.196.6

9. Under Modify network parameter, change the first 3 DIGITS (OCTETS) OF THE IP ADDRESS TO MATCH THE NETWORK SCHEME FROM STEP 5 ABOVE. THE LAST OCTET WILL BE A DIFFERENT NUMBER, YOU MUST CHOOSE AN IP ADDRESS THAT IS AVAILABLE ON THE NETWORK TO PREVENT A CONFLICT. Use the PING command in the command prompt to find and available IP address.

**ex. C:\user\desktop> ping 192.168.1.199 If the ping "request times out", or "destination host unavailable" then the IP address is available for use.

10. Proceed to enter in the available IP address, and use the same subnet mask and Default Gateway from step 5

11. Type in the password of the camera:
    DEFAULT PW: *123456* > Click MODIFY

12. The camera IP will change if modify is successful

13. You can now access the camera settings via Internet Explorer by typing http://<ip address of camera>

SECTION 2: Accessing the camera using Internet Explorer WITHOUT IPTool:

If you do not know your local network scheme refer to **Section 1**, steps 4-10, BEFORE proceeding

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1. connect the IP camera and a Windows computer to a network switch or router

2. On the computer, browse to:
    a.   Control Panel\Network and Internet\Network Connections

3. Right-Click Local Area Connection > Choose Properties

4. Highlight Internet Protocol TCP/IP version 4 > Click the Properties Button

5. See figure 1 Below for temporary IP configuration
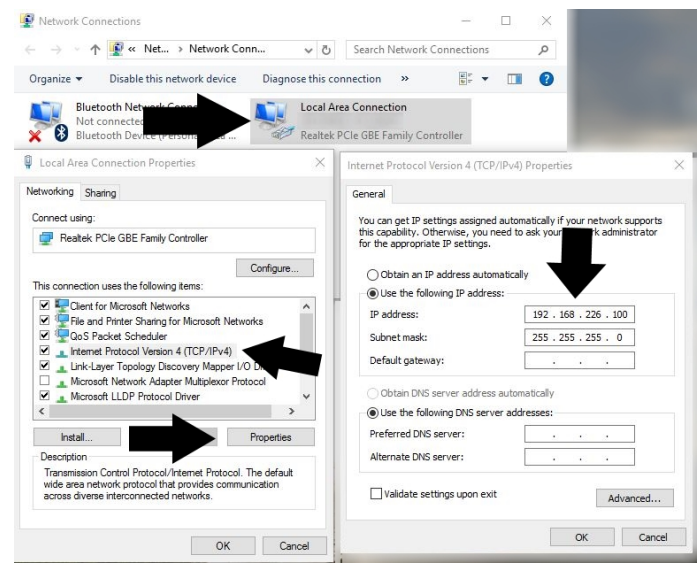
6. After saving your temporary settings on the computer, you can now access the camera using Internet Explorer. In the address bar type: http://192.168.226.201

**IMPORTANT: AFTER you have configured the camera with a permanent IP address. You must repeat steps 2-4 and set your network adapter back to "obtain an IP address automatically."

If everything has been setup correctly, in both cases you should be able to access the camera on the local network using Internet Explorer, or Sibell NVMS

### SECTION 3: Accessing the camera remotely (off-site/WAN)

1. Open a browser, and log into the router using the gateway address
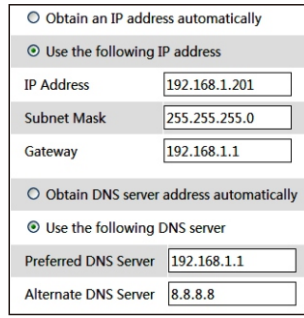
*NOTE: You will need router login information

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3. Look for the "port forwarding," "virtual server," or "pinholes," section, and forward the following ports to the CAMERA IP ADDRESS. ex. 192.168.200.xx

CAMERA PORTS

HTTP: 80

DATA PORT: 9008

RTSP PORT: 554

HTTP Port 80
Data Port 9008
RTSP Port 554
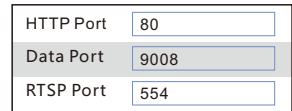
Port Config

Port Range					
Application	Start	End	Protocol	IP Address	Enable
1	9007	to 9008	Both	192.168.1.201	
2	80	to 81	Both	192.168.1.201	
3	10000	to 10001	Both	192.168.1.166	
4	21000	to 21001	Both	192.168.1.166	

Router Config

Obtain an IP address automatically
Use the following IP address
IP Address 192.168.1.201
Subnet Mask 255.255.255.0
Gateway 192.168.1.1
Obtain DNS server address automatically
Use the following DNS server
Preferred DNS Server 192.168.1.1
Alternate DNS Server 8.8.8.8

IP Config

4. Click on the main status page of the router to find the "WAN," or "INTERNET" IP address. *ex. 67.123.456.789*

5. If the ports have been properly forwarded, you can now view the camera remotely (off-site) through the mobile apps, or using Internet Explorer.

Preset Description

	Call No. 90 Preset	Run track 1
	Call No. 91 Preset	Run cruise 1
	Call No. 92 Preset	Run cruise 2
	Call No. 93 Preset	Run cruise 3
	Call No. 94 Preset	Run cruise 4
Call Preset	Call No. 95 Preset	OSD menu
	Call No. 97 Preset	Enable random scan
	Call No. 99 Preset	Enable P-PSCAN
	Set No. 91 Preset	Set random scan; Task auto call the beginning point
	Set No. 92 Preset	Set left border of P-PSCAN
	Set No. 93 Preset	Set right border of P-PSCAN
Set Preset	Set No. 94 Preset three times	Set the boundary value of the near and middle infrared light
	Set No. 95 Preset three times	Set the boundary value of the middle and far infrared light