360Ants Cloud Camera

User Manual

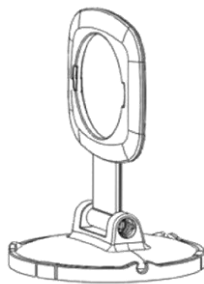# Index

1. Introduction

Thanks for using Ants camera. Ants camera is a high-definition Wi-Fi video camera with remote viewing for your home or business.

1.1 Check List

Before starting, check that all the following items have been included with your cloud camera. If anything is missing, contact your deal.
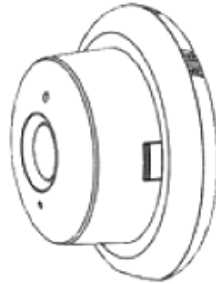
Base   Camera   Power line/USB interface

Power adapter

1.2 Product Overview

Status Light

Clamp Hole

Microphone

Base

SD Card interface

Built-in microphone

Reset Hole

Micro USB Port

Angle Adjustment

ants

Figure 1   Figure 2

1
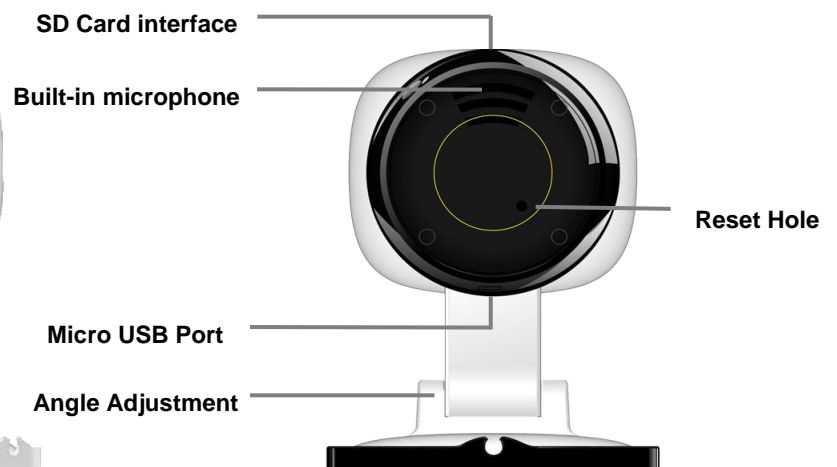
1.3Product Specifications

Product specification	Parameter
Per pixel /resolution	1/3" CMOS，1280*720;1280*960(130Mega pixels)
Camera lens	F:3.6mm （Wide Angle lens, 108 degrees）, F1.4
Low illumination	0.1 Lux
Audio input	1-Channel MIC
Audio output	1-Channel Speaker
Audio coding	G.711
Video compression	H.264
Image set	Flip horizontal, vertical, color/brightness/saturation/contrast
Enhancements	Digital wide dynamic 3D noise reduction
Memory card	TF Card
Network protocol	IPv4, HTTPS, HTTP, TCP, UDP, RTP/RTCP/RTSP, DHCP, NTP, FTP, SMTP, UPnP, ICMP, ARP, DDNS, P2P
Wi-Fi standard	IEEE 802.11b/g/n, WPS
The wireless transmission rate	11n: 150Mbps (Max)
	11g: 54/48/36/24/18/12/9/6Mbps (Dynamic)
	11b: 11/5.5/2/1Mbps (Dynamic)
Wireless encryption	WEP/WPA/WPA2, WPS
Mobile phone client	iPhone, iPad, Android
Power input	5V/1A （USB Interface）
Power consumption	3w (Max)

2. Quick Start

Install the warning

1. It's important to keep the back of your Ants camera open to air circulation so that normal convection will dissipate the heat of the LEDs through the heat-sink.

Set up in 60 seconds.

1. Open the box and set up your camera. If the light turns from purple into blue and flashing, shows that the network connection is ready.
2. Connect Ants camera to Wi-Fi.
3. Download apps;
4. Name your camera and create an account.

Then you're ready to go!

Step 1

3. Connect your camera
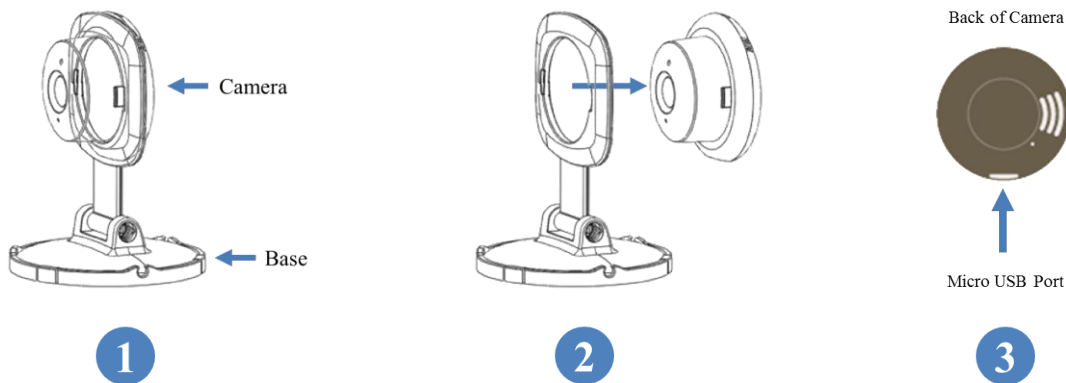
3.1 Connect your camera

1) Insert the camera into its base.

2) Locate the micro USB port on the bottom side of the camera.

3) Plug micro USB cable into this port.

3.2 Power connection

1) Insert the power supply socket.

2) The camera's status light will blink yellow.

3.3 Turn on the camera

1) If the indicator light is purple, shows the camera is powered on ;

2) Yellow light, shows the camera is starting;

3) Blue light and flashing, shows that the network connection is ready.

4) As shown in figure 3

Figure 3

3

Step 2

4. Download ants Apps

4.1 For android: two way to install our free Apps

1. Go to the Android APP store, search for "ants"; download the installation;
2. Or scan the following code into your smartphone.

4.2 Create your ANTS account (or log into an existing account).

1. Click Ants apps on your smartphone

2. Click on the "registration" and follow the on-screen instructions to complete setup:

- Enter your email address
- Set the password
- Confirm password
- Input validation code
- Click the "register now "
- You can also choose "save Password" and "automatic login" .
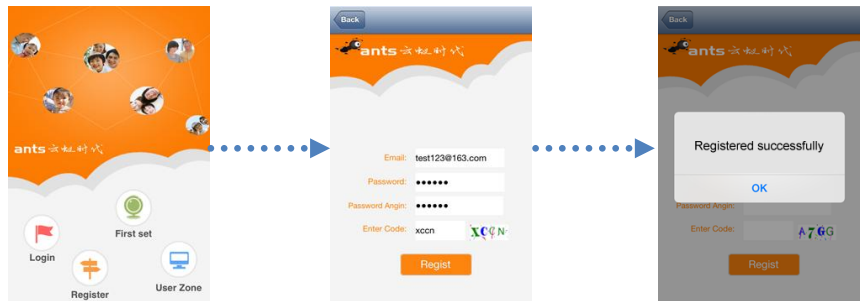
3. Log into your account.

If you already have an ANTS account, you just need to input your user name and password.

5. Viewing your video: Mobile and Web Apps

5.1 Smart Phones contacting the camera

1) Open your smartphone WIFI setting
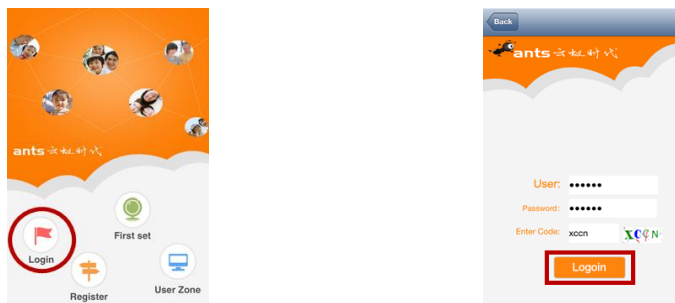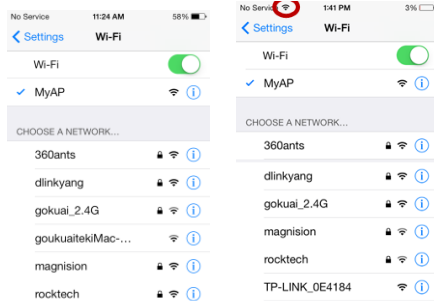2) Choose MyAP, camera is connecting to the smartphone; When " 📶 " appear on the upper right side of your smartphone screen, it shows that the camera and smartphone is connected.

Step 3

3) Then, turn back and click the Ants APPS on your mobile phone,
4) Click the "First SET" for camera configuration for the first time

5) On the left upper side of your smartphone, it will shows a list of Wi-Fi networks for your home or business, choose the Wi-Fi your would like to connect.

6) Enter network's password, complete camera and network connections.

7) If the " √ " appear at the right side of your Wi-Fi network, it means the camera is configured into your WIFI successfully.

8) The camera will restart automatically. Please don't do anything until the camera light is blue. The camera if the light is blue connects with your WIFI successfully.

5.2 Match camera with smartphone and name camera

1. Connect your camera with your smartphone

1) Click ants Apps icon

2) Click "Login"

3) Input your ANTS account user name and password, login successfully

3) Click "add" on the left top of your smartphone choose "add from net searched", and then you will search and add camera

4) Click the device name

5) Click the "+" at the right upper side of your screen and add Camera

2. Name your camera

1. At the "private" page, click the " > ", it will shows the device info.

2. Click "Device Name", and then you can edit the device name;

    Editing

3. Click "Done" to complete and save the name.

5.3 Watch remotely from your iPhone, iPad or Android device.

1. Log into your account;

2. In my list, click on the device name on the left side (as shown in figure 11 in the red box range), then you can view real-time videos. Real-time video page.
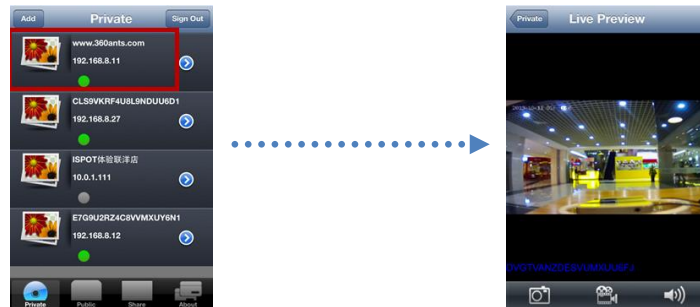
5.4 Video Live view through PC

1) open 360ants website
   URL: www.360ants.com

2) Login your accounts

3) Download plug-in "hscli.zip".   http://www.360ants.com/client/hscli.zip

Note: We support WINDOWS system only.

6. Other Key Functions

6.1 KEY FUNCTIONS

In the video view page, there are four buttons, respectively is snapshot, video, audio, intercom function.

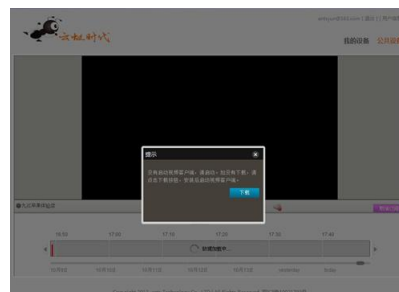| Function button icon	Name	Function
	audio	Allows you to "listen"to the camera from your computer mobile device.
	video	live video recording (videos stored in sdcard/Video Save)
	snapshot	Capture the current image (photos stored in sdcard/Image Save)

6.2 Live video recording

1) Click ants Apps icon

2) Click "Login"

3) click on the Video button at the bottom of smartphone screen, you can record real time video
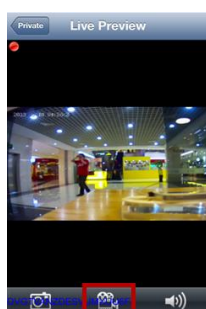
4) Click Video Button to record video

When you see the red dot in the upper left corner, it is recording video

5) stop video recording: Click again the "Video' Button to stop recording anytime you like. The red dot will disappear. Return to "Private"

How to view the saved video file:

1）Click on the red area into the "Device Info"
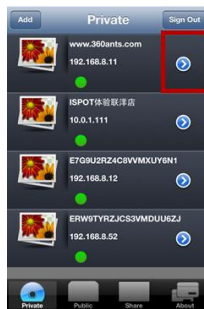
2）Click on the video icon in the red areas below

3)　view the recorded video

the video file saved in private - > video records
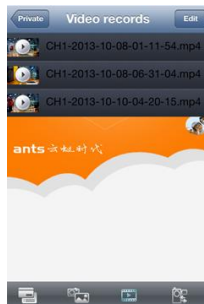
6.3 Photo Snapshot

1) Click ants Apps icon

2) Click "Login"

3) click on the Photo button at the bottom of smartphone screen, you can take photo snapshot
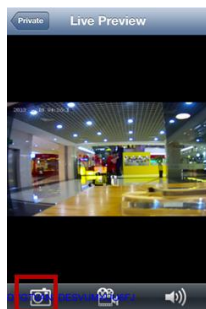
4) Click snapshot Button to capture the current image
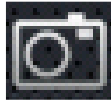
Return to "Private"

How to view the photo snapshot

5）Click on the red area into the "Device Info"

6）Click on the video icon in the red areas below
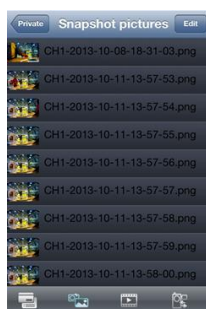
7) The picture file saved in private - > snapshot pictures

6.4 Sharing video

6.4.1 Share to other users account

Step 1: Click the " > " button at the right side of your camera list;

Step 2: Click Share/ "Set The Device Share"

Step 3: enter your friend's account info, Click "Set"

Step 4: Click "OK"

You can add more friends into your account by repeating the above steps.

6.4.2 To deactivate your camera to be shared

Step 1: Click the ">" button at the right side of your camera list;

Step 2: Click "X" icon

Step 3: Action "YES"

Step 4: "The shared account has been canceled."   Click "OK"
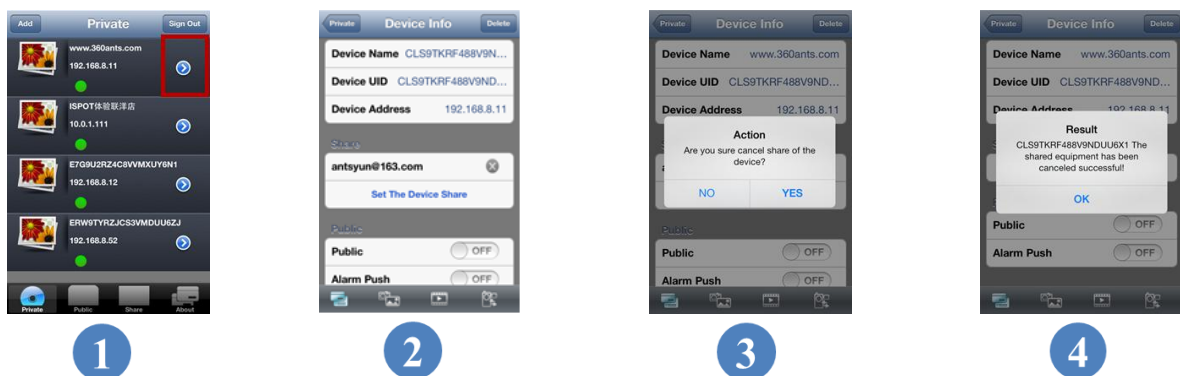
6.4.3 Public your camera

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| 1) Click ants Apps icon | 2) Click "Login" |
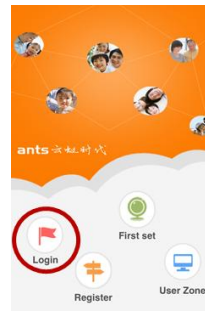
3）Click on the red area into the "Device Info"

Step 1: Turn on "Public"

Step 2: Click "OK"

Step 3: You can show Camera in the Public List, so anybody who downloads Ants Apps can view your camera.

6.5 Motion detection and set up alter notification

Our Ants camera is designed to keep you informed so that you can have peace of mind--no matter where you are.

The following is a set motion reminders:

1) Click ants Apps icon

2) Click "Login"

3) Click on the red area into the "Device Info"

Step1: In the "Device Info" turn on the "Alarm Push" to ON

Step2: Finished.

7. Multiple Cameras View

You can have as many cameras as you'd like. They'll all be accessible using the same username. They can be set up in as many, or as few locations as you wish.

If you have more than one camera in a single location, however, you'll want to be sure you have enough bandwidth to operate all the cameras.

Each camera requires 0.5 Mbps of dedicated upload speed. You also need to buy an extra cloud storage base for additional camera.

8. Power off Ants Camera and move Camera

8.1 Power off Ants camera: unplug your Ants camera power line and you will power off Ants camera.

8.2 Move camera:

How do I change the Wi-Fi network my Ants camera connects to?

Have you moved your Ants camera to a new location, or switched cable providers and have a new wireless router? Here are the simple steps to get your Ants camera up and running on your new Wi-Fi network.

1) Connect your Ants camera to the included USB cable.

2) Press the reset hole until the blue lights flashing.

3) The light on the front of your camera should be flashing blue while it attempts to connect to a Wi-Fi network.

4) Then, start the same steps for section 3 to section 5.

If you encounter any issues, you may find help in the Ants camera Troubleshooting section.

9. Troubleshooting

9.1 Why does Ants camera disconnect from my Wi-Fi network?

If your camera is having trouble connecting to your Wi-Fi network you may have a weak connection between the camera and your router.

i. Limited upload bandwidth can be a factor

Ants camera requires a certain amount of available upload bandwidth to maintain a steady connection and stream video. This is different than download bandwidth, used for downloading movies, music or television shows. If you don't have enough upload bandwidth available, we recommend checking with your internet service provider.

ii. Check distance and range from router

First thing to do is to move your camera closer to your router. Different materials in your home will weaken your Wi-Fi signal, and minimizing the number of walls and ceilings between your router and the camera can help.

iii. Check for wireless interference

There might be interference coming from other electronic devices near your camera. Try to reduce the number of connected devices near the camera. Cordless phones, baby monitors, microwave ovens, garage door openers and Wi-Fi speakers are just a few of many devices that are notorious for causing interference. If your camera is located close to electronic equipment with a large power source, such as a large screen television or home theater system, try moving the camera further

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away from these devices. Sometimes only a few feet will make a difference.

iv. I've tried the steps above, but still no luck

Numerous Wi-Fi networks in the area can also cause a connection issue. We suggest you change the Wi-Fi channel on your router to make it easier for all your devices to connect.

You should ensure your router is broadcasting at 2.4GHz. Ants camera is designed to work with 802.11 b/g/n networks on 2.4GHz frequency bands.

9.2 How much bandwidth does Ants camera use?

Each Ants camera uses approximately 0.2Mbps of upload bandwidth, and depending on the conditions, can peak up to 0.5 Mbps. We recommend a high speed internet connection with at least 0.5 Mbps of upload bandwidth dedicated to each Ants camera. Please keep in mind that other devices connected to the same network will use some upload bandwidth as well, so you'll likely need a bit more upload bandwidth to maintain a steady connection.

To determine your Wi-Fi network's upload bandwidth, please go to http://www.speedtest.net and click on "Begin Test" in the center of the screen. You'll need to do this from a computer that is connected to the same network as the Ants camera. Please don't use a mobile device for the speed test since you may be connected to a cellular network.

After the test is completed you'll be shown your upload and download bandwidth speeds. Remember, you'll need at least 0.5 Mbps of available upload bandwidth for each Ants camera: 1 Ants camera = 0.5 Mbps upload, 2 Ants cameras = 1.0 Mbps upload.

Note: Mbps = mega bits per second (not mega bytes per second)

If you don't have enough upload bandwidth, you can try switching from HD to SD (standard definition) mode. Go to Settings > General and turn HD "off" to try your camera in SD mode. We also recommend contacting your ISP to make sure you are getting sufficient upload bandwidth or to discuss how to increase your upload bandwidth.

9.3 Why is my Ants camera warm to the touch?

Like all electronic devices, Ants camera will produce a certain amount of heat while it's turned on. The back of Ants camera acts as a heat-sink to make sure that the camera never overheats. It is not unusual for the camera to be quite warm to the touch, especially when night vision is activated.

It's important to keep the back of your Ants camera open to air circulation so that normal convection will dissipate the heat of the LEDs through the heat-sink.

9.4 Why am I getting fewer Alerts?

Over time, Ants camera motion detection "learns" what the background video looks like in usual circumstances. If your camera is pointed at the same scene and is not moved regularly, this learning behavior will be more apparent.

This means false alerts should happen less frequently, while alerts generated by people or objects that are actually moving will be more consistent.

If you aren't receiving any motion or sound alerts, please check your camera Settings. Be sure that you have the following:

On the General tab, scroll to the bottom and make sure Detect Motion and is set to the "on" position. Close the Settings panel to save these changes.

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10. IMPORTANT SAFEGUARDS

IMPORTANT SAFEGUARDS

When using electrical products, especially when children are present, the basic safety precautions below should always be followed.

READ ALL INSTRUCTIONS BEFORE USING.

DANGER: To reduce the risk of electrocution:

• Always unplug product after using.

• Do not handle plug with wet hands.

• Do not reach for a product that has fallen into any liquid. Unplug immediately.

• Check the power supply cord for damage before the first use and during the life of the product.

WARNING: Failure to follow these safety instructions could result in fire, electric shock, or other injuries, or damage to Ants camera or other property. Read all the safety information below before using Ants camera.

• Do not plug this device into a voltage system that is different from the voltage system specified on the device or charger.

• Do not use this product if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into any liquid. Contact Shanghai Ants Technology Co., LTD or your local distributor which can be found at www.360ants.com.

• Do not direct water under the tongue, into the ear, nose or other delicate areas. This product is capable of producing pressures that may cause serious damage in these areas. See operating instructions for correct usage.

• Use this product only as indicated in these instructions or as recommended.

• Only use tips and accessories recommended by Ants Technology Co., Ltd,

• Do not drop or insert any foreign object into any opening or hose.

• Keep electrical cord away from heated surfaces.

• Do not use iodine, bleach, or water insoluble to clean the devices.

• For household use only. Do not use outdoors.

• Closely instruct and supervise children and individuals with special needs in the proper use of this product.

• Children should be supervised to ensure that they do not play with the appliance.

• This appliance has a polarized plug (one blade is wider than the other). As a safety feature, this plug is intended to fit into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to modify the plug in any way.

SAVE THESE INSTRUCTIONS

11. WARNING

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

IC warnings

English:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject
to the following two conditions:

 (1) this device may not cause interference, and

(2) this devicemust accept any interference, including interference that may cause undesired operation of t
he device.

French:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio
exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage
radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

Hereby, ants Technology Co., LTD, Room 303, Building No.1,ChenHui Rd.88, Pudong District, Shanghai, China 201203 , declares that this IPCamera is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

CE2200

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www.360ants.com

Shanghai Ants Technology Co., LTD. registered in China.

Made in CHINA