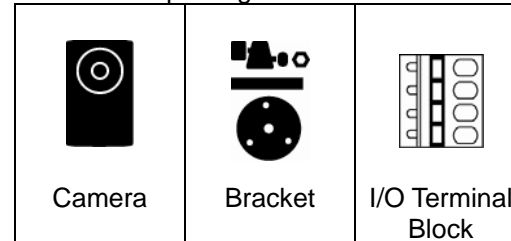# Multilingual Version

# PUSH VIDEO

**PRODUCT OVERVIEW**

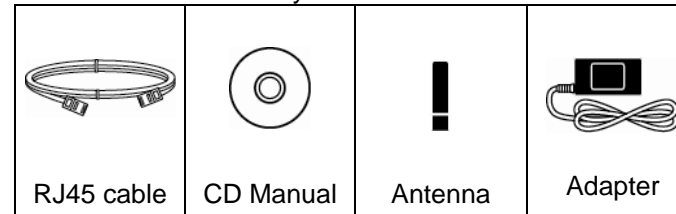## ■ Package Content

Before starting to set up your camera, please make sure items below in your box:

▼ Standard package:

| Camera | Bracket | I/O Terminal Block |
|---|---|---|

▼ Selected models only:

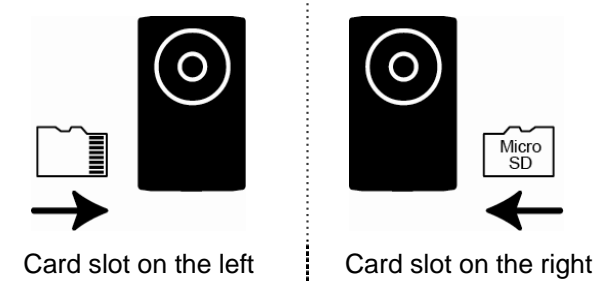| RJ45 cable | CD Manual | Antenna | Adapter |
|---|---|---|---|

## ■ Insert Micro SD Card

**Only selected models are equipped with a micro SD card slot for local video recording.**

The data originally saved in the micro SD card (if any) will be removed after inserting it to the camera.

The camera doesn't support hot-swapping. Please insert or remove the micro SD card with power disconnected.

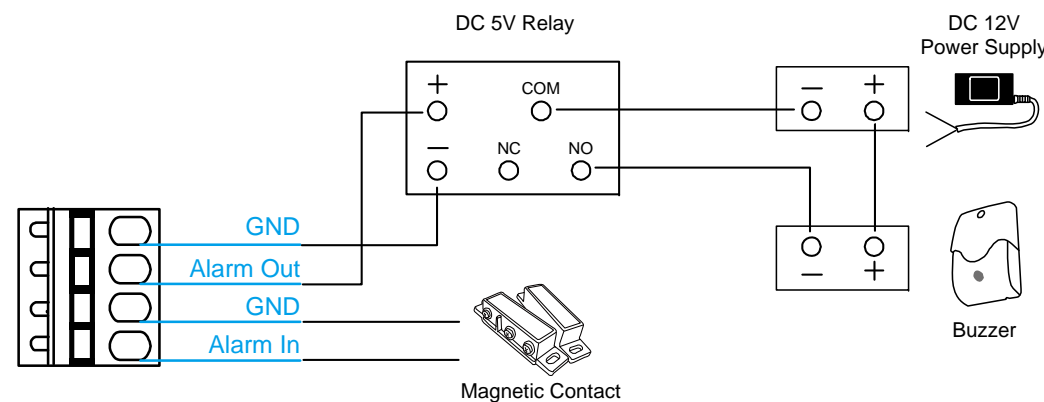| Card slot on the left | Card slot on the right |
|---|---|

## ■ I/O Terminal Block

This camera supports external I/O device connection, and a 4-pin I/O terminal block is supplied with this camera for easy connection.

Below shows which input on the I/O terminal block you should use for wiring when you want to connect an external device to this camera.

GND
Alarm Out
GND
Alarm In

4-pin I/O Terminal block

DC 5V Relay
+ COM
− NC NO

DC 12V Power Supply

GND
Alarm Out
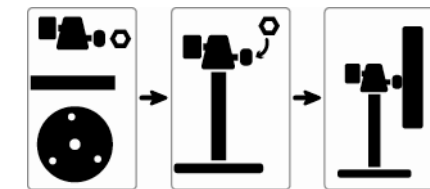GND
Alarm In

Magnetic Contact

Buzzer

Example of Alarm Out Connection

## ■ Assemble & Install

1. Fasten the base of the bracket (the round one) to where the camera is installed.

   `The distance between your camera and the location you want to monitor should be 3 ~ 4 meters.`

2. Assemble the bracket and the camera, and adjust the viewing angle of the camera.
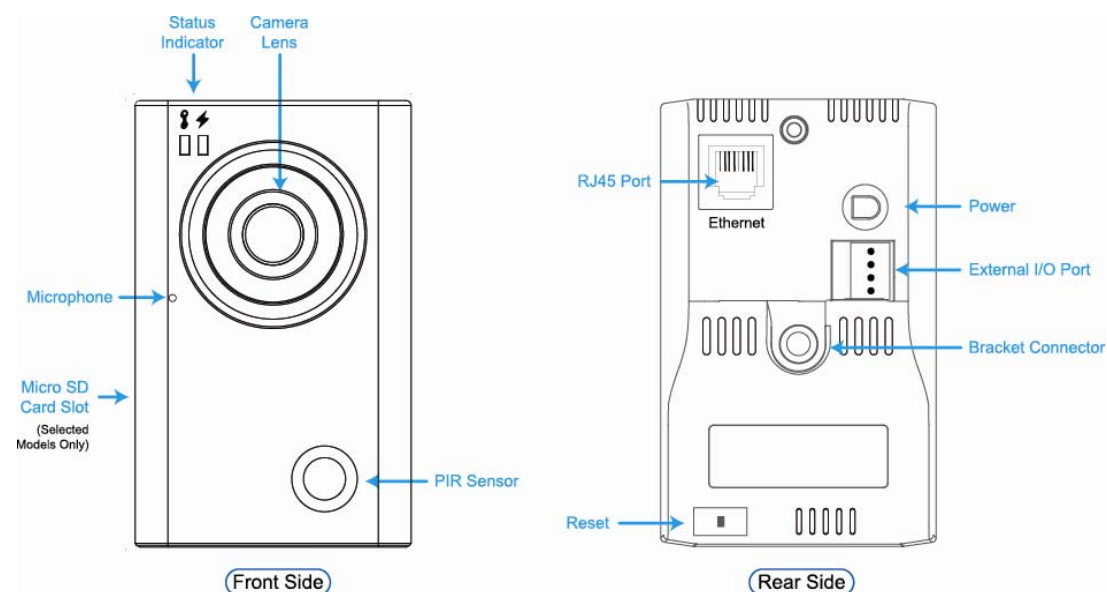
3. *(For wireless models only)*
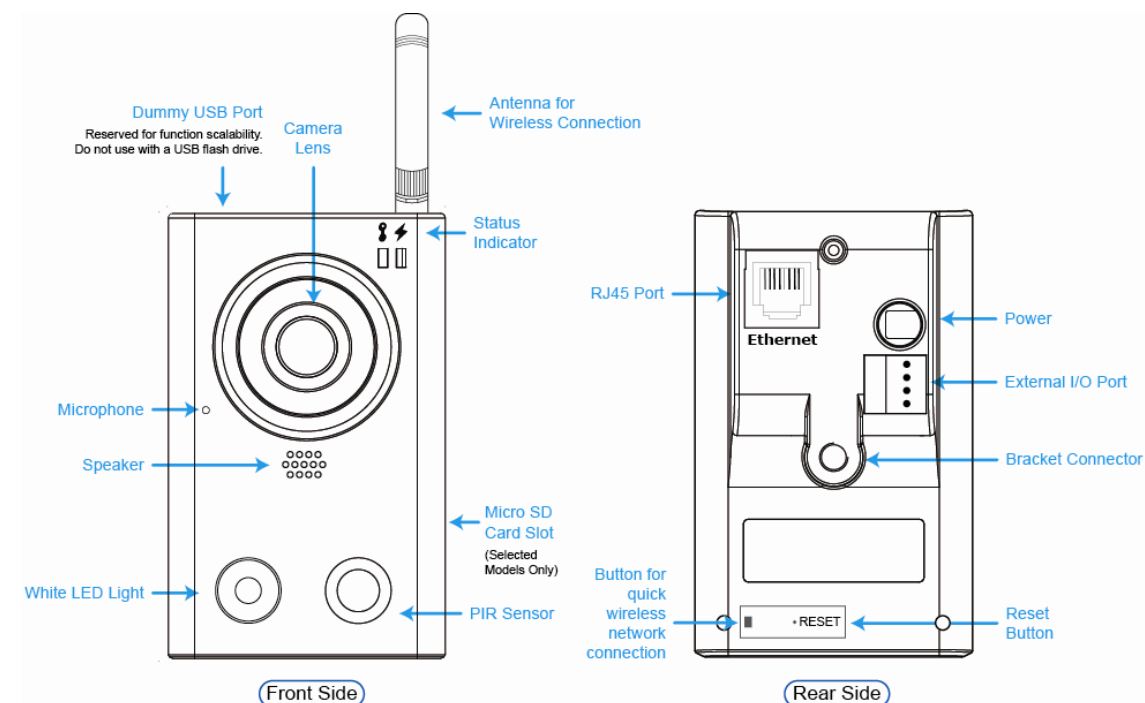   Fasten the antenna for wireless network connection.

4. Connect your camera to power, and check the LED status indicators to make sure the camera is powered on.

# ■ Hardware Overview

## Type 1:



Status Indicator · Camera Lens · Microphone · Micro SD Card Slot (Selected Models Only) · PIR Sensor · RJ45 Port Ethernet · Power · External I/O Port · Bracket Connector · Reset

Front Side · Rear Side

## Type 2:



Dummy USB Port — Reserved for function scalability. Do not use with a USB flash drive. · Camera Lens · Antenna for Wireless Connection · Status Indicator · Microphone · Speaker · White LED Light · Micro SD Card Slot (Selected Models Only) · PIR Sensor · Button for quick wireless network connection · RJ45 Port Ethernet · Power · External I/O Port · Bracket Connector · Reset Button
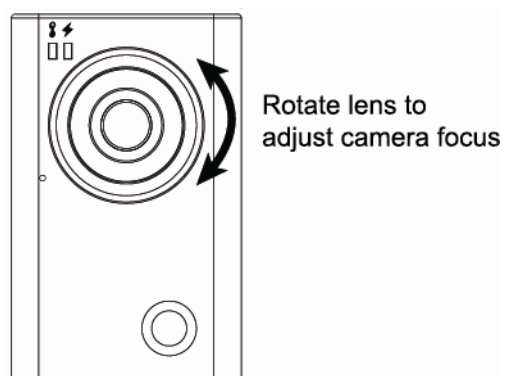
Front Side · Rear Side

# ■ Focus Adjustment

When you've accessed the camera successfully for the first time, it's recommended to adjust the clearness of the video by rotating the camera lens, as illustrated below.
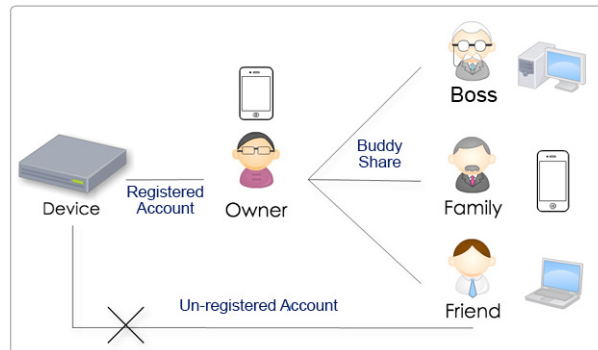


Rotate lens to adjust camera focus

# ■ LED Status Indicators

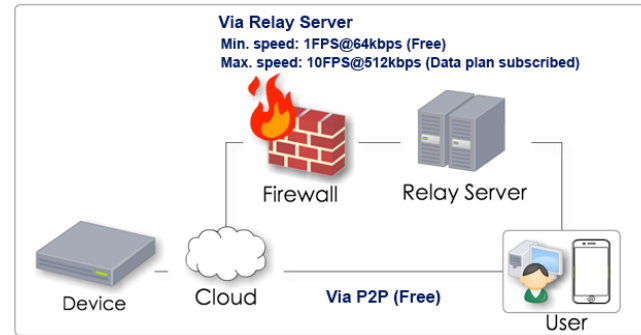| ICON | 🔔 LAN | ⚡ Internet |
|---|---|---|
| **System Status** | | |
| During powering on | Always on | Always off |
| Reset default | Blinking (on 250 ms, off 250 ms) | Always off |
| Upgrade | Blinking (on 250 ms, off 250 ms) | Blinking (on 250 ms, off 250 ms) |
| **Connection Status** | | |
| LAN connected | Always on | -- |
| LAN disconnected | Blinking (on 100 ms, off 500 ms) | -- |
| Internet connected | -- | Always on |
| Internet disconnected | -- | Blinking (on 100 ms, off 500 ms) |
| **Micro SD Card Status** | | |
| Micro SD Card Error | Keep current status for 20 sec → Blinking for 3 sec → Return to current status | |
| **Other Connection Status** | | |
| <EaZy Networking> Failed to Connect to EagleEyes Cloud Server | Always on | Blinking (on 5 sec → off 0.5 sec → on 0.5 sec → off 0.5 sec → on 5 sec) |

# QUICK SETUP
## With EaZy Networking

## ■ Cloud Account Management



a).The device access right is managed by Owner, and the registered devices cannot be registered again unless the machine has restored the default settings.

b).Owner can share the access right with other users through the function, Buddy Share. For further information on Buddy Share, please refer to the video:
www.youtube.com/watch?v=1N8EPiCKnOs

## ■ Free EaZy Networking Connection



**Via Relay Server**
Min. speed: 1FPS@64kbps (Free)
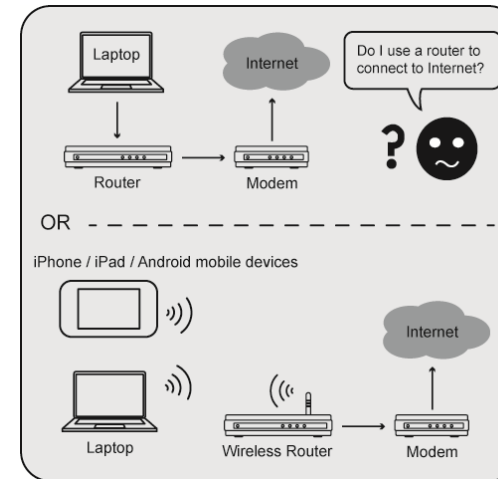Max. speed: 10FPS@512kbps (Data plan subscribed)

**Via P2P (Free)**

EaZy Networking is a free P2P cloud service to connect AVTECH devices to the Internet automatically by plug-and-play, enabling you to check the live view via your mobile device or laptop at anytime (in 64 kbps). Should you feel the live view is not fluent enough and would like to speed it up, AVTECH provides several data plans for you to subscribe. We've also offered 2GB data allowance as a gift on each device for you to experience. When 2GB is up, the network transmission speed will restore to what it should be.

In most cases, the device is connected via P2P. Connection via the relay server is only applied to some complex environments such as the private IP-based network environment used by a large enterprise.

## ❶ Environment Checking

a) Do you use a router or wireless router to connect to Internet?
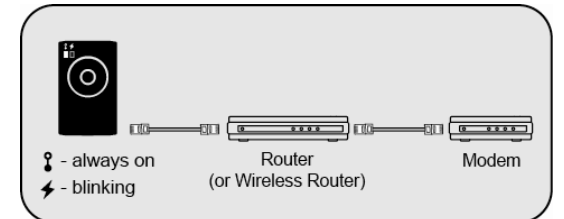


b) You know where the router is located, and the DHCP function of your router is on.

## ❷ Device Checking

a) Your camera is powered on, and connected to the wireless router with a RJ45 network cable.

b) Check the LED status indicators, and make sure 🔲 (LAN) and ⚡ (Internet) are always on.

If ⚡ (Internet) is not on, make sure the DHCP function of your router is enabled, or refer to Q&A section to fix your problem.



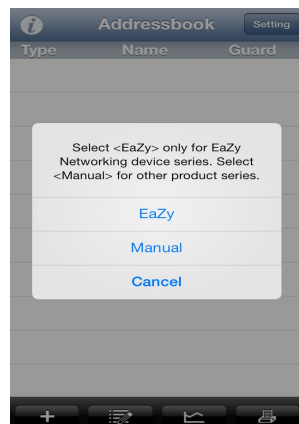🔲 - always on
⚡ - blinking
Router (or Wireless Router)    Modem

c) You have an iPhone / iPad / Android mobile device, and it's connected to Internet by 3G networks or wireless networks.

d) You have installed our mobile app, EagleEyes Lite / EagleEyes Plus on your iPhone, EagleEyesHD Lite / EagleEyesHD Plus on iPad, or EagleEyes Lite+ / EagleEyes Plus+ on your Android device.

【Note】 If no, please download from App Store or Google Play. As for Android devices, Lite doesn't support EaZy Networking.
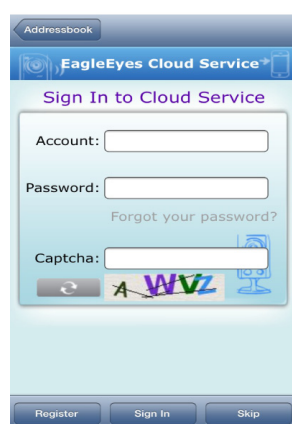
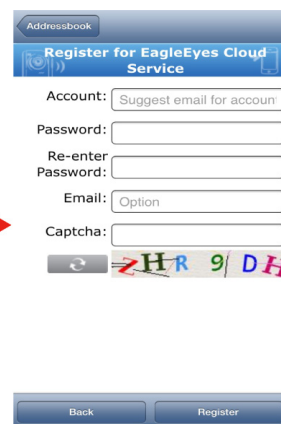## ❸ Cloud Service Login

**a) Open EagleEyes.**

**b) Create an account for the EagleEyes cloud service.**
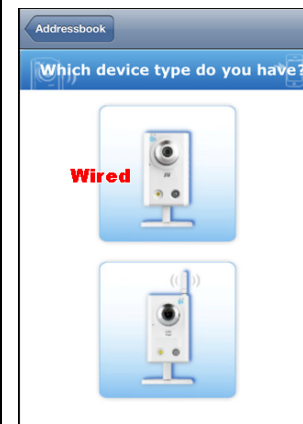




Select "+", and choose "EaZy".

If you already have a cloud service account, please sign in.

For initial use, select "Register" to create an account for the cloud service. Fill in the information needed, and select "Register" to continue.

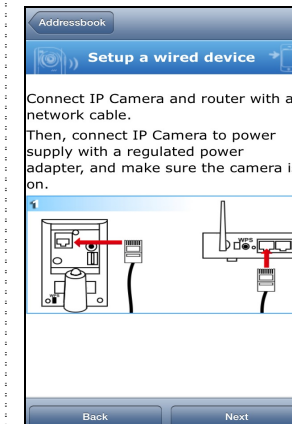This account is necessary for EaZy Networking to take effect.

## ❹ EaZy Networking Setup

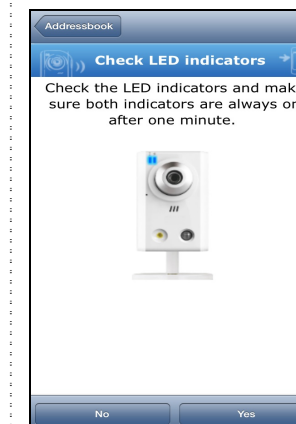**c) Select the wired device.**



For the wired type, choose the upper one.

**d) Confirm your camera connection.**



Make sure your camera setup is the same as the animation shown in this page, and choose "Next" to continue.

**e) Check both LED indicators.**



Make sure both indicators are always on, and select "Yes" to continue.

**f) Scan or Enter the MAC address.**



To fill in MAC, which is on the rear of the cam, you can either type it, or tap the code button and scan in the address by scanning the QR code on the back. Tap "Apply" to continue.
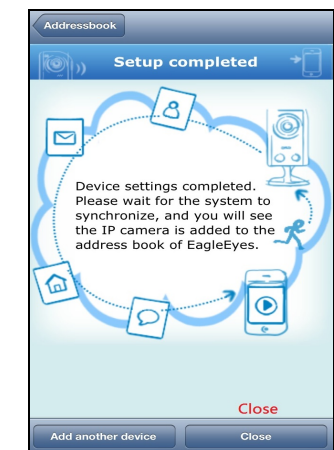
**g) Preview and name your camera.**



Check if the preview is what you need. Then, give a name to your camera if needed, or simply keep the default name, "IPCAM". Choose "Apply" to continue.

# ❹ EaZy Networking Setup (Continued)

# ■ Account for Cloud Service

| h) Complete the setup. | i) Return to the address book. | ▼ Check your account. | ▼ Check your account information. | ▼ Buy our data plan online. |



Your camera is added to EagleEyes cloud server successfully, and you're ready to use the camera.

Choose "`Close`" to complete the setup, or choose "`Add another device`" to add more EaZy Networking cameras.

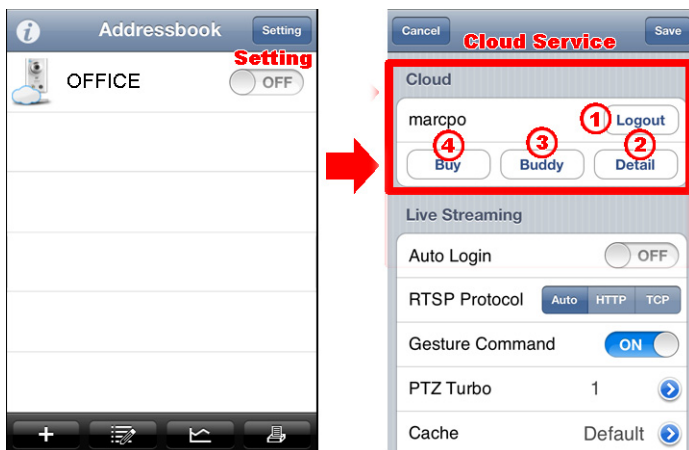Your camera is added to the address book with a cloud icon on it. Enable Push Video if needed.

Select the camera and see if you can see live view.

There will be no more necessary to memorize the address, user name, password and port number to access your camera.

【Note】Currently this service is available only on iOS / Android mobile devices. Remote surveillance on PC will be available later.

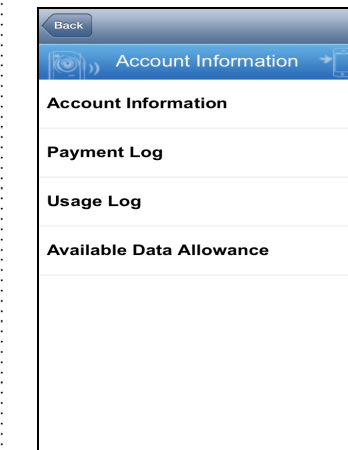Select "`Setting`" on the top right corner in the address book to configure or check the cloud service.

① Service log in / log out
② Check your account information.
③.Share your camera / data allowance
④ Buy our data plan online

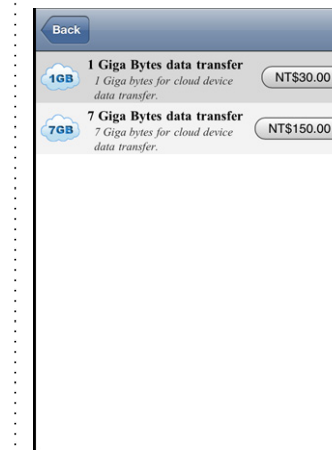【Note】You must log into the service first to see your camera.

Check your account information, such as how much data allowance has been used and how much is available, and the expiration date of your purchase.

Select any of our data plans to keep your camera online when the free data allowance is up.

Currently the plans for 1GB (USD 1) and 7GB (USD 5) are available.

# ■ Q&A

**Q1: What's the difference in connection between P2P and relay server?**

A1: Please refer to the illustration in the section "**Free EaZy Networking Connection**".
In most cases, the device is connected via P2P. Connection via the relay server is only applied to some complex environments such as the private IP-based network environment used by a large enterprise.

**Q2: How fast is the connection via the cloud service?**

A2: There is no speed limitation of P2P connection.
For connection via the relay server, the speed of the paid data plan is 10FPS@512kbps, and the speed of free connection is 1FPS@64Kbps.
(Each new EaZy Networking device will enclose a 2GB data plan for free.)

**Q3: Where to purchase a data plan for the relay server?**

A3: Apple Store and Google Play.

**Q4: How to use the AVTECH cloud service on the web browser? How to configure Buddy Share?**

A4: Please visit ez.eagleeyes.tw.
For more information, please refer to www.youtube.com/watch?v=1N8EPiCKnOs.

**Q5: How many devices can be added to one cloud account?**

A5: As many as you want. If you want to see more than four devices on EagleEyes, please download the app, EagleEyes Plus.

**Q6: How fast will 2GB free data allowance be used up?**

A6: Approximately 2,185 minutes.

**Q7: Can a device be registered by two cloud accounts simultaneously?**

A7: No, but the owner that registered the device you want can use **Buddy Share** to share the access right with you.

**Q8: I'm not using a router to connect to Internet. Can I connect my camera to Internet by using EaZy Networking?**

A8: No. A router is needed, and its DHCP function must be on.

**Q9: How to remove a camera from the cloud service?**

A9: Please do reset default on the camera.

**Q10: What are the data plans I can choose?**

A10: Log into the cloud service from EagleEyes, and select "`Buy`" to see the data plans we offer:
-- USD 1 / 1GB, approx. 520 minutes
-- USD 5 / 7GB, approx. 3640 minutes
The usage time per plan is for reference only, and may vary based on the complexity of your actual monitoring area.
For details, please see the chapter "`Account for Cloud Service`".

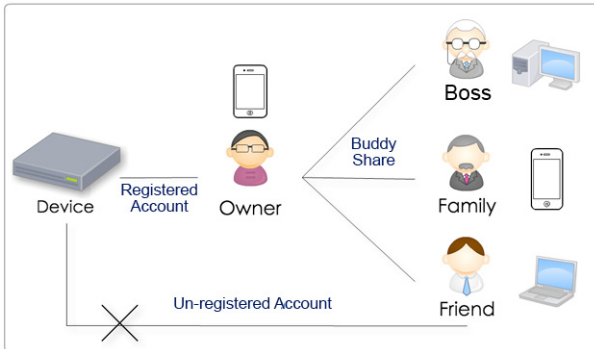**Q11: My LED indicators are not always on. What should I do?**

A11:

| ☃ LAN | ⚡ Internet | Please check… |
|-------|-----------|---------------|
| off | off | No power. Check if the power is connected well. |
| flashing | flashing | Networking failed. Check if your RJ45 network cable is connected well, or replace with a new one. |
| on | flashing | Flashing frequency: on 100 ms, off 500 ms<br>Failed to connect to Internet. Check if your router is configured well for Internet access.<br>**Make sure DHCP function of the router is enabled.** |
| on | flashing | Flashing frequency: on 5 sec → off 0.5 sec → on 0.5 sec → off 0.5 sec → on 5 sec |

To check the complete user manual and free PC CMS software (CMS Lite), please scan the QR code or go to www.surveillance-download.com/user/ez.swf
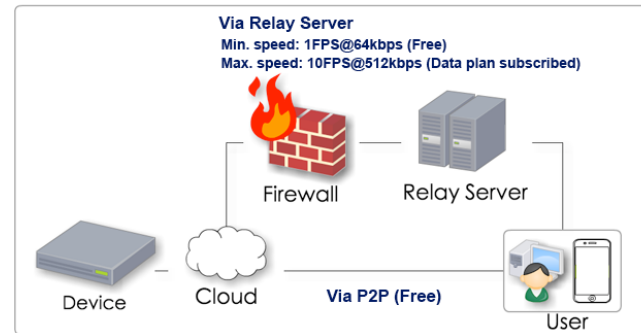
# QUICK SETUP
## With EaZy Networking

## ■ Cloud Account Management



a).The device access right is managed by Owner, and the registered devices cannot be registered again unless the machine has restored the default settings.

b).Owner can share the access right with other users through the function, Buddy Share. For further information on Buddy Share, please refer to the video:
www.youtube.com/watch?v=1N8EPiCKnOs

## ■ Free EaZy Networking Connection



**Via Relay Server**
Min. speed: 1FPS@64kbps (Free)
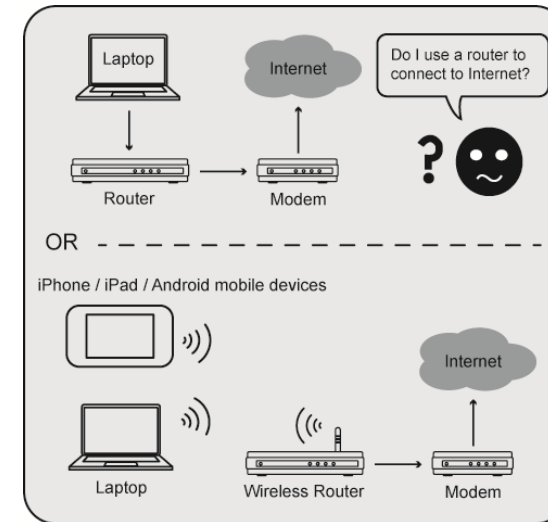Max. speed: 10FPS@512kbps (Data plan subscribed)

EaZy Networking is a free P2P cloud service to connect AVTECH devices to the Internet automatically by plug-and-play, enabling you to check the live view via your mobile device or laptop at anytime (in 64 kbps). Should you feel the live view is not fluent enough and would like to speed it up, AVTECH provides several data plans for you to subscribe. We've also offered 2GB data allowance as a gift on each device for you to experience. When 2GB is up, the network transmission speed will restore to what it should be.

In most cases, the device is connected via P2P. Connection via the relay server is only applied to some complex environments such as the private IP-based network environment used by a large enterprise.
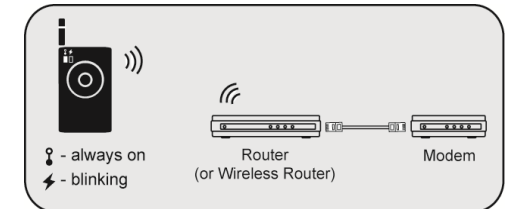
## ❶ START Setup

a) Do you use a router or wireless router to connect to Internet?



b) You know where the router is located, and the DHCP function of your router is on.

## ❷ Device Checking

a) Your camera is powered on, and connected to the wireless router.

b) Check the LED status indicators, and make sure ⌗ (LAN) and ⚡ (Internet) are always on.

If ⚡ (Internet) is not on, make sure the DHCP function of your router is enabled, or refer to Q&A section to fix your problem.



⌗ - always on
⚡ - blinking

c) You have an iPhone / iPad / Android mobile device, and it's connected to Internet by 3G networks or wireless networks.

d) You have installed our mobile app, EagleEyes Lite / EagleEyes Plus on your iPhone, EagleEyesHD Lite / EagleEyesHD Plus on iPad, or EagleEyes Lite+ / EagleEyes Plus+ on your Android device.

【Note】 If no, please download from App Store or Google Play. As for Android devices, Lite doesn't support EaZy Networking.
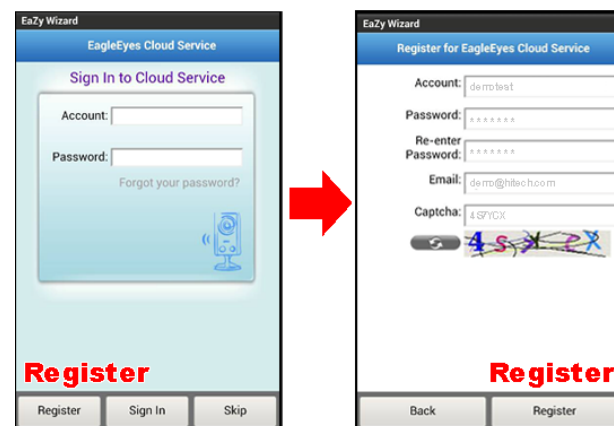
# ❸ Cloud Service Login

**a) Open EagleEyes.**

**b) Create an account for the EagleEyes cloud service.**



Select "+", and choose "**EaZy**".

If you already have a cloud service account, please sign in.

For initial use, select "**Register**" to create an account for the cloud service. Fill in the information needed, and select "**Register**" to continue.

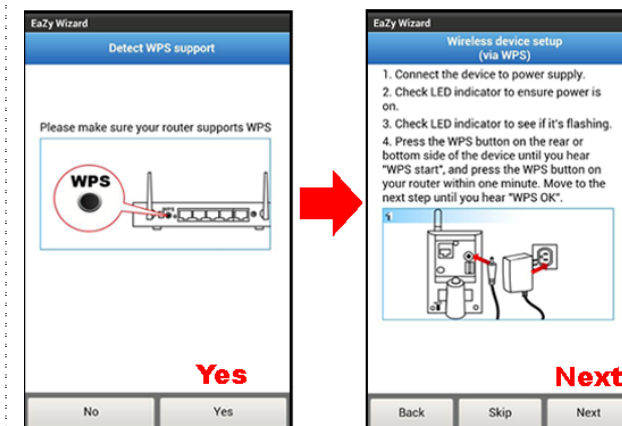This account is necessary for EaZy Networking to take effect.

# ❹ EaZy Networking Setup
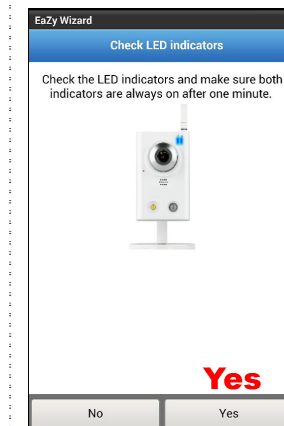
**c) Select the wireless device.**



For the wireless type, choose the one below.

**d) Check if your router supports WPS**



Make sure the internet is up and running, and turn on WPS on your router, and then, choose "**Yes**" to continue. Besides, ensure that camera setup is the same as the animation shown in this page, and then choose "**Next**".

**e) Check both LED indicators.**



Make sure both indicators are always on, and select "**Yes**" to continue.

**f) Scan or Enter the MAC address.**



To fill in MAC, which is on the rear of the cam, you can either type it, or tap the code button and scan in the address by scanning the QR code on the back. Tap "**Apply**" to continue.

# ❹ EaZy Networking Setup (Continued)

## ■ Account for Cloud Service

| g) Select the network type to connect to a wireless network. | h) Complete the setup. | i) Return to the address book. | ▼ Check your account. |
|---|---|---|---|



Here you can choose the way you would like to connect your camera to the router. Select "**Wireless model**" to connect to a wireless network without a network cable.

If the preview is what you need, give a name to your camera, or simply keep the default name, "**IPCAM**". Choose "**Apply**" to continue.

Your camera is added to EagleEyes cloud server successfully, and you're ready to use the camera.

Choose "**Close**" to complete the setup, or choose "**Add another device**" to add more EaZy Networking cameras.

Your camera is added to the address book with a cloud icon on it. Enable Push Video if needed.

Select the camera and see if you can see live view.

There will be no more necessary to memorize the address, user name, password and port number to access your camera.

【Note】 Currently this service is available only on iOS / Android mobile devices. Remote surveillance on PC will be available later.

Select "**Config**" at the bottom of the address book to configure or check the cloud service.

① Service log in / log out
② Check your account information.
③.Share your camera / data allowance
④ Buy our data plan online

【Note】 You must log into the service first to see your camera.

# ■ Q&A

**Q1: What's the difference in connection between P2P and relay server?**

A1: Please refer to the illustration in the section "**Free EaZy Networking Connection**".

In most cases, the device is connected via P2P. Connection via the relay server is only applied to some complex environments such as the private IP-based network environment used by a large enterprise.

**Q2: How fast is the connection via the cloud service?**

A2: There is no speed limitation of P2P connection.

For connection via the relay server, the speed of the paid data plan is 10FPS@512kbps, and the speed of free connection is 1FPS@64Kbps. (Each new EaZy Networking device will enclose a 2GB data plan for free.)

**Q3: Where to purchase a data plan for the relay server?**

A3: Apple Store and Google Play.

**Q4: How to use the AVTECH cloud service on the web browser? How to configure Buddy Share?**

A4: Please visit ez.eagleeyes.tw.
For more information, please refer to www.youtube.com/watch?v=1N8EPiCKnOs.

**Q5: How many devices can be added to one cloud account?**

A5: As many as you want. If you want to see more than four devices on EagleEyes, please download the app, EagleEyes Plus.

**Q6: How fast will 2GB free data allowance be used up?**

A6: Approximately 2,185 minutes.

**Q7: Can a device be registered by two cloud accounts simultaneously?**

A7: No, but the owner that registered the device you want can use **Buddy Share** to share the access right with you.

**Q8: I'm not using a router to connect to Internet. Can I connect my camera to Internet by using EaZy Networking?**

A8: No. A router is needed, and its DHCP function must be on.

**Q9: How to remove a camera from the cloud service?**

A9: Please do reset default on the camera.

**Q10: What are the data plans I can choose?**

A10: Log into the cloud service from EagleEyes, and select "**Buy**" to see the data plans we offer:

-- USD 1 / 1GB, approx. 520 minutes
-- USD 5 / 7GB, approx. 3640 minutes

The usage time per plan is for reference only, and may vary based on the complexity of your actual monitoring area.

For details, please see the chapter "**Account for Cloud Service**".

**Q11: My LED indicators are not always on. What should I do?**

A11:

| 🔲 LAN | ⚡ Internet | Please check… |
|---|---|---|
| off | off | No power. Check if the power is connected well. |
| flashing | flashing | Networking failed. Check if your RJ45 network cable is connected well, or replace with a new one. |
| on | flashing | Flashing frequency: on 100 ms, off 500 ms Failed to connect to Internet. Check if your router is configured well for Internet access. **Make sure DHCP function of the router is enabled.** |
| on | flashing | Flashing frequency: on 5 sec → off 0.5 sec → on 0.5 sec → off 0.5 sec → on 5 sec. |

To check the complete user manual and free PC CMS software (CMS Lite), please scan the QR code or go to www.surveillance-download.com/user/ez.swf