PHYLINK

Quick Install Guide

Bullet HD Outdoor IP Camera

This installation guide provides basic instructions for installing the PLC-325PW/ PLC-335PW Outdoor Waterproof IP camera on your network.
By following these instructions, you can quickly complete the camera installation on Android, iOS and computer (Windows or Mac OS).

Verify the package contents

- PLC-325PW/PLC-335PW Camera
- Camera Bracket
- External Antenna
- Manual and Software on CD-ROM
- CAT5 Ethernet Cable
- Power Adapter
- Quick Install Guide
- Waterproof Junction box

Camera
& Bracket

External
Antenna

AC/DC
Power adaptor
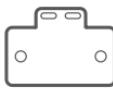
Waterproof
Junction box

Setup CD
& Guide

Network
Cable

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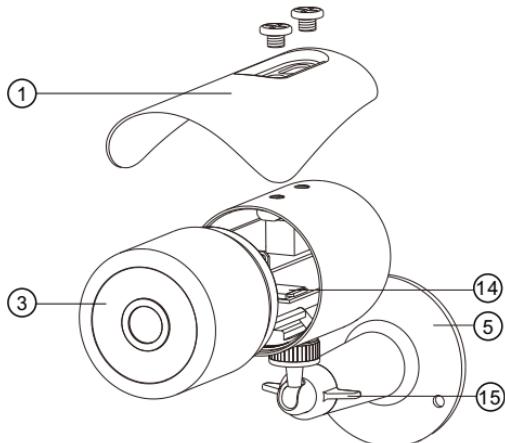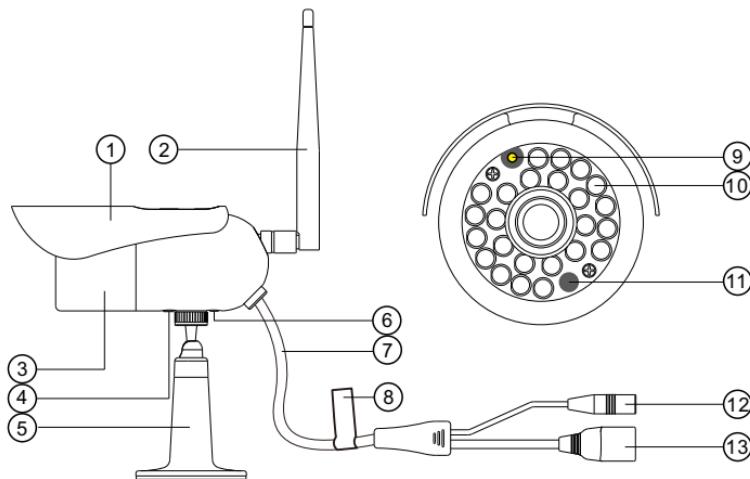
1. Sun Shield
2. External Antenna
3. Front Shell
4. Microphone
5. Bracket
6. Reset/WPS Button
7. Camera Cable
8. Camera's UID Sticker
9. Status indicator LED
10. Infrared LED
11. Light Sensor
12. Power Connector
13. Ethernet Connector
14. Micro SD Card Slot
15. Wrench

Power Connector
Connects to the included DC 12V power adapter.

Reset / WPS Button
This button is used for both the WPS and reset function.
To use the RESET function, push and hold the button for more than five seconds. Note that all settings will be restored to factory default.

To use the WPS function, ensure the camera has started. (The status Indicator LED will show a constant green)
Press the WPS button located on your router and then press the WPS button on the camera for one second within 60 seconds.
While connecting, the Status Indicator LED will flash red. Please wait until the camera reboots, then the Wi-Fi connection will be established.
Note: The WPS push button (also called QSS) option should be enabled on the router for this function to work.

Status Indicator LED
When the camera is powered up, the indicator LED shows a green light then quickly turns off which confirms the camera has started up correctly.
When the indicator LED shows a green light again, it means the system has started successfully.
The indicator LED flashes green during data transfer and shows red for the WPS connection status.

Light Sensor
The light sensor monitors ambient lighting conditions and switches between color and infrared accordingly.

UID Sticker on Camera Cable
The UID of the camera cable is the unique identifier for the camera.
You can scan the QR code on the sticker using the App to add a camera.

UID:VNW5V15K6RY7J4VWC7W1
Password: admin

Wrench on Mount Bracket
You can use the wrench on the mount bracket to lock it.
The design of wrench allows effective use, without the need for tools.

2. Hardware Installation

2.1 Connect network and power
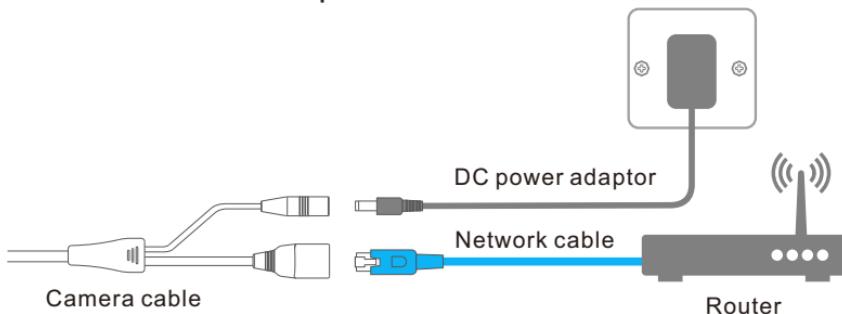
Connect the camera to your router or switch using the network cable.
Using the included power adaptor, plug one end into the Power Connector and plug the other end into a power outlet.

Once connected and powered, the status indicator LED should illuminate a constant green.

NOTICE

Please note that for initial setup, you need to connect the camera directly to your router or switch with a network cable. You cannot connect wirelessly to the camera without first setting it up via a network cable.

You can set up the wireless via the App or web browser quickly.
Instructions for wireless setup are included later, within this guide.

2.2 Mount the Micro SD card

This package dose not included a Micro SD card. Adding a Micro SD card to your camera will allow you to record footage and motion alerts directly to the Micro SD card for future review. The recorded files may be reviewed remotely on your phone / computer when using Phylink App / software.

For a new SD card which has never been used or formatted, you can use the camera's format tool to format it. To learn how to format the SD card, please refer to the user manual or related technical articles on the Phylink support website.

The camera only supports the FAT32 file system; other formats will not be recognized. It is recommended to format the Micro SD card via the format tools. You can download the format tools for FAT32**.**

NOTICE

The camera must be powered off before inserting the Micro SD card. The camera will only recognize the card if inserted before startup.
Every time the card is re-inserted, you will need to turn the power off and then turn the power on again to let the SD card be recognized.

To insert the micro SD card, follow the below steps:

1. Power off the camera as applicable.
2. Remove the sun shield.
3. Unscrew the front shell from the camera's main body by turning counter-clockwise.This must be done in clean and dry environment – before exposing internal electronics.
4. Hold the MicroSD card with the printed side facing upward and the golden pins facing toward the MicroSD slot. Press the MicroSD card into the slot until you hear a click. Be careful do not touch the lens.
5. Avoid catching internal wires, tighten the front shell by hand only.

2.3 Mount the antenna

If using a Wi-Fi Network connection, the provided external antenna must be mounted to the RP-SMA connector at the rear of camera main body.

Remove the protective cap on the RP-SMA connector and screw on the Wi-Fi antenna in it's place (clockwise).

RP-SMA connector

Protective cap

Please keep the antenna vertical for better signal strength. A minimum signal strength of 3 bars is required for HD video transmission. Please ensure the required signal strength is available at the place of installation, prior to installing the camera.
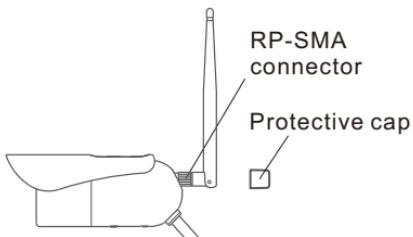
2.4 Connection using a PoE switch or PoE injector (Optional)

The PLC-325PW and PLC-335PW can be either connected with the included power adapter and network cable, or optionally with an Ethernet cable that is connected to an 802.3af compatible PoE Switch or PoE Injector. With a PoE setup, the Ethernet cable will transmit both power and data over a single cable eliminating the need for the power adapter.

2.5 Mount the weatherproof junction box

The included Weatherproof Junction Box provides a neat and waterproof termination of connections to the Phylink Bullet HD outdoor camera.
When connecting outdoors, the use of this junction box will ensure weather protection and prevent power and signal faults due to water ingress at the connections.

When you use this junction box, you only need to drill a small hole in the wall to run the extension cabling to an indoor power outlet and network.
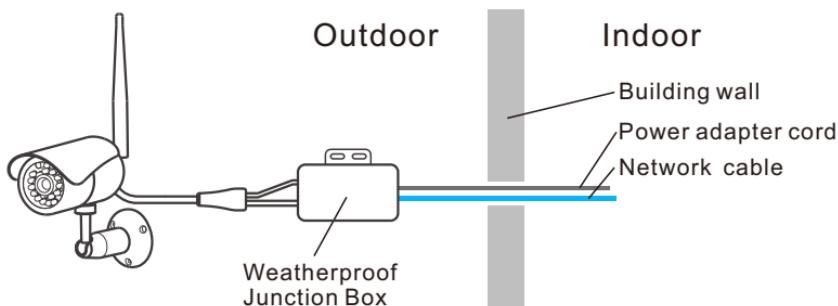
Figure 1

A roughly 1/4 inch diameter hole will be required for either a network cable or the DC plug at the end of the power adapter cord to pass through.

Front Cover

Camera Cable

Silicone Sealing Strip

Rear Cover

Gasket

Screw

Rubber Stopper

Figure 2

Groove for camera cable (network)

Silicone sealing strip

Front cover

Stopper

Groove for network cable

Groove for camera cable (power)

Groove for power adapter cord

Stopper
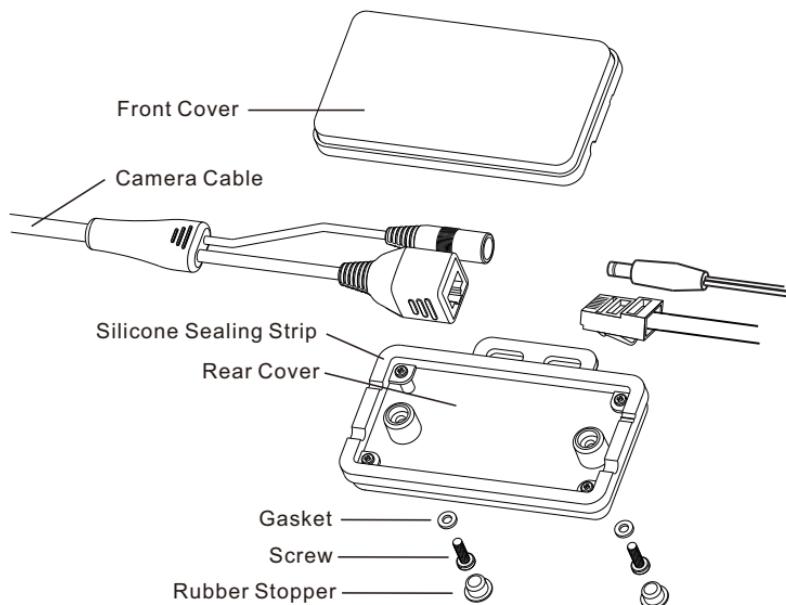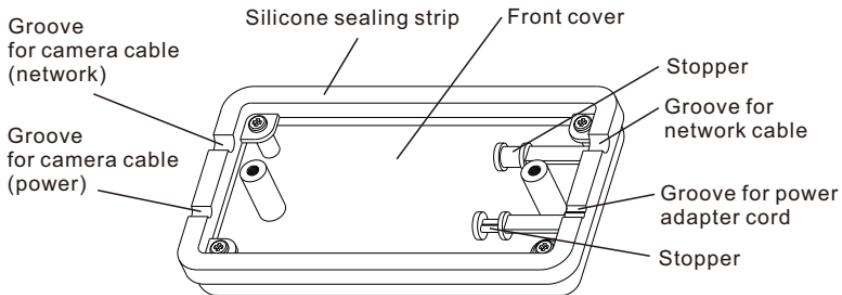
Figure 3

Before mounting, please ensure wireless settings are completed and operational – to set wireless up, you need to connect the camera directly to your router with an Ethernet cable.

If you plan to use Wi-Fi transmission, the Wi-Fi must be setup before the camera is disconnected from the Ethernet cable of the local network. Minimum signal strength of 3 bars is required for HD video transmission. Please ensure the required signal strength is available at the place of installation, prior to installing the camera.

Please note that the wireless signal travels easily through common building materials such as wood, glass, sheet rock, and vinyl siding. But if you have stucco walls with the internal metal mesh, or if you have aluminum siding, the wireless signal is not going to make it through the wall so in that case you probably can't use any kind of wireless camera.

STEP1

Connect the power cord and Ethernet cable to the camera.
Please refer to Figure 2.

STEP2

Insert the RJ45 connector and DC plug connector into the rear cover of the Weatherproof Junction Box. Ensure the power and network cables align with their respective grooves at both sides of the sealing strip. Please refer to **Figure 2**.

STEP3

Attach the front cover; ensuring that the groove on the sealing strip presses tightly against the cable. The bigger groove is for network cable and the smaller one is for the power adapter cable.
Please refer to **Figure 2** and **Figure 3**.
Please make sure there is no gap between the front and rear cover sealing strips, as this clean contact provides the waterproof seal.

STEP4

Secure the front and rear covers using the included screws and gaskets.
Once secured, the rubber stoppers should be inserted so as to protect the screws from the weather and allow ease of maintenance in the future.
Please refer to **Figure 2**.

Mounting hole
Rear cover
Screw hole
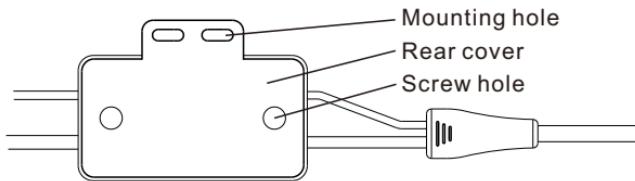
NOTICE

If the camera is using a PoE connection, you don't need to connect the power adapter. You must use the attached stopper to block the power cable entry point so as to maintain the waterproofing seal. Please refer to **Figure 3**.

If the camera only uses the Wi-Fi connection, you don't need to connect the network cable. You must use the attached stopper on the sealing strip to block the network cable groove so as to maintain the waterproofing seal.

Front cover
Stopper
Groove for network cable

Groove for power adapter cord

Stopper
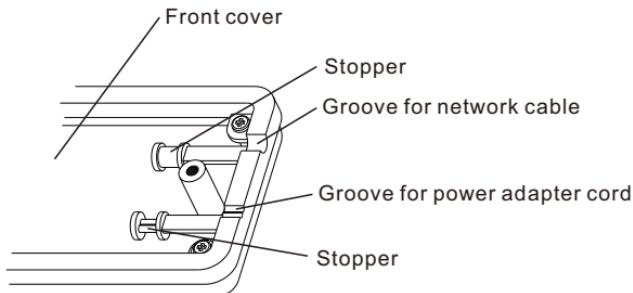
3. Quick installation for iOS device

STEP1

Get the free PHYCAM App from App Store.
Ensure the camera is connected to your router with the Ethernet cable and powered up. Start the App and the **"My Camera"** screen will appear.
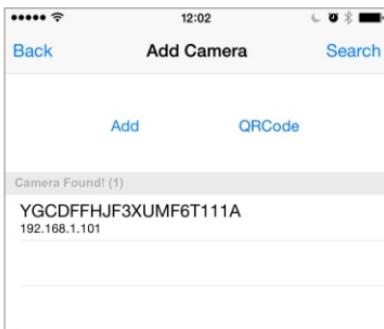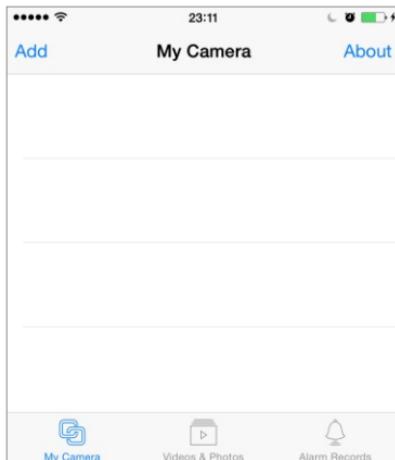
Press the **"Add"** button to add a new camera.
If the camera is located on the same local network as your iPhone/iPad, the camera's UID will show up on the **"Add Camera"** screen.

Click on camera's UID to go to the next step.

Option 1 **Scan the camera's UID**

To add a camera to App, you can click the "**QRCode**" button to scan the camera's UID from the sticker on the camera cable.

Option 2 **Manually type the UID (Add the camera remotely)**

If the camera is not located on the same local network as your iPhone, the App will NOT find it. To add a camera to the App remotely, click the "**Add**" button to type the "UID" manually according to the UID sticker on the camera cable.

STEP2

Assign a **"Name"** to the camera to help identify this camera if more than one camera is in use. (The default name is "Camera".)
Enter the **"Password"**. (The default Password is "admin".)
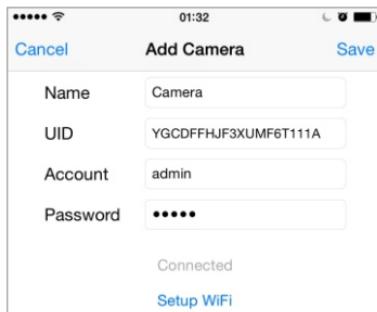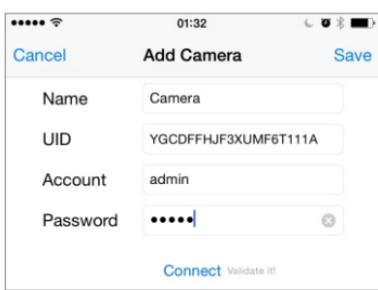
Press **"Connect"** and the App will connect to the camera.

Press **"Setup WiFi"** to setup the camera to work over wireless.
The camera will search for available Wi-Fi networks around it.
Note: You can skip the "setup Wi-Fi" step and set the wireless later.

Press the **"Save"** button and the camera will show up on the **"My Camera"** screen.

Select your network from the list. Type the network's password and press **"Join"**.

After a successful wireless setup, you can remove the network cable and the camera should work through the wireless network after a short delay.

Go back to the **"Add camera"** screen and press the **"Save"** button. Your camera will show up on the **"My Camera"** screen.

STEP3
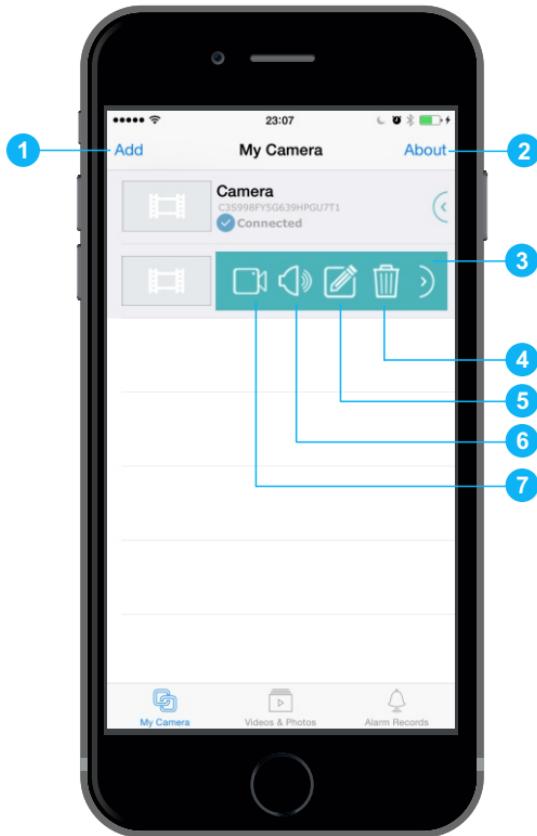
Tap ⟨ symbol on the right side of the camera, the sliding menu will be displayed.

1. Add camera
2. View the app version
3. Sliding menu
4. Detect camera
5. Edit Camera, change settings and password
6. Audio mode
7. Video mode

4. Setting up Wi-Fi via iOS device

Tap   symbol on the right side of the camera, the sliding menu will be displayed.
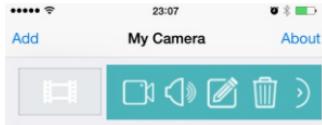

Tap the **Edit Camera** icon   from the sliding menu.

And then go to **Advanced Setting** > **Network Setup** .
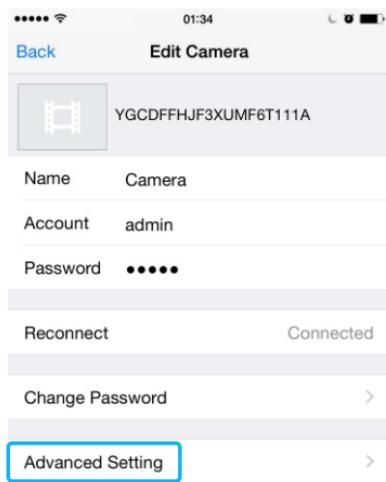
Press **"WiFi Networks"** , then the camera will search for available Wi-Fi networks around it. Select your network from the list.
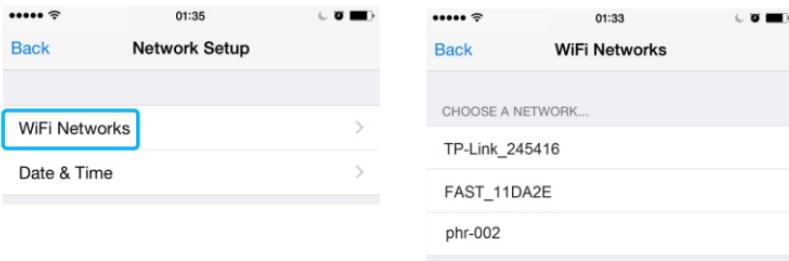
Type your Wi-Fi password and press the **"Join"** button to complete the Wi-Fi setup.

After a successful wireless setup, you can remove the network cable and the camera should work through the wireless network after a short delay.

5. Quick installation for Android device

STEP1

Get the free PHYCAM App from Google Play. Ensure the camera is connected to your router with the Ethernet cable and powered up.

Start the App and the following screen will appear.
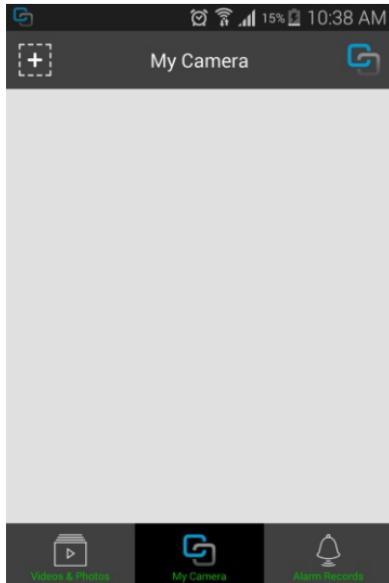
Press ➕ to add a new camera.

There are three optional methods to add a camera on the Android device.

Scan local network

Scan QR code

Type UID and password
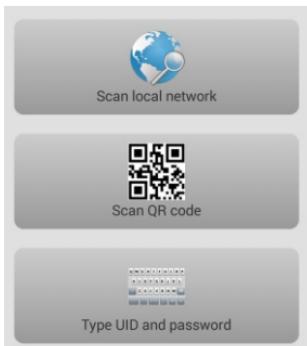
Option 1 **Search for a camera on the local network**

If your camera is located on the same local network as your mobile device, the App can search for it.

Click the "**Scan local network**" menu and the camera's UID will show up on the "Search camera from LAN" screen. Click on camera's UID to go to the next step.

Search camera from LAN

C3S998FY5G639HPGU7T1
192.168.2.100

PHYLINK
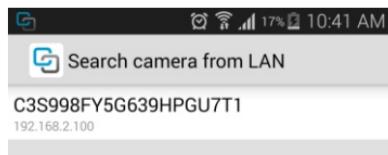
STEP2

Enter the **"Password"**. (The default Password is "admin".)

Assign a **"Name"** to the camera to help identify this camera if more than one camera is in use. (The default name is "Camera 0".)
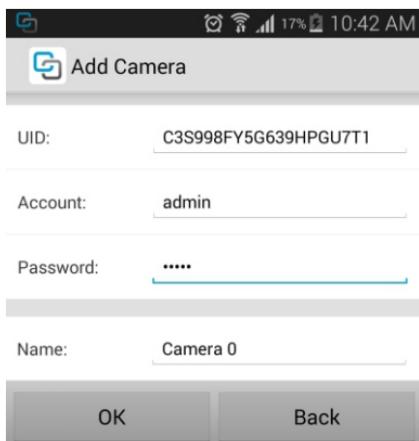
Press the "OK" button and a pop up tips window will say "Do you want to setup the camera to work over WiFi now?".
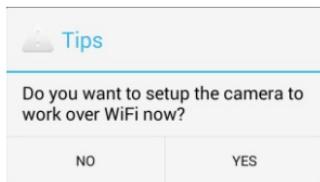
Press "YES" if you want to connect the camera to your router wirelessly.
You can also press "NO" if you want to setup the wireless network later.

STEP3

Press on ⬛ to view list of available networks.
Select your wireless network from the list.
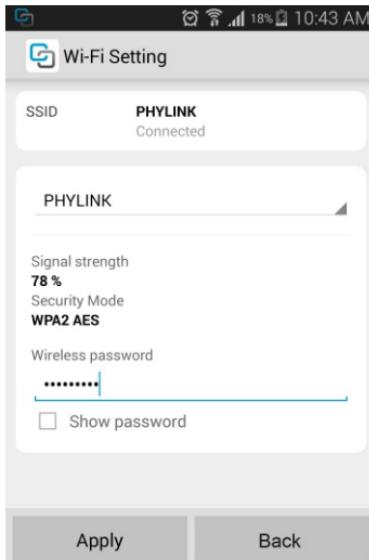
Wi-Fi Setting

| SSID | **None** |
| | Disconnect |

PHYLINK

PHYLINK

TP-Link_245416

FAST_11DA2E

phr-002

☁ 🕐 📶 18%🔋 10:43 AM

Wi-Fi Setting

| SSID | **PHYLINK** |
| | Connected |

PHYLINK

Signal strength
78 %
Security Mode
WPA2 AES

Wireless password
•••••••••

☐ Show password

Type in your Wi-Fi password and then press **"Apply"** to save the settings.

| Apply | Back |

After a successful wireless setup, remove the network cable and the camera should work through the wireless network after a short delay.

Option 2 **Scan the camera UID using a smart phone**

You can click the "**Scan QR code**" menu to scan the camera UID from the UID sticker on the camera cable.

Scan QR code

Option 3 **Manually type UID**

If your camera is not located on the same local network as your Android device, the App will NOT find the camera.

Type UID and password

To add a camera to the App remotely, click the "**Type UID and pasword**" menu. Type the "UID" manually according to the UID sticker on the camera cable.

STEP3
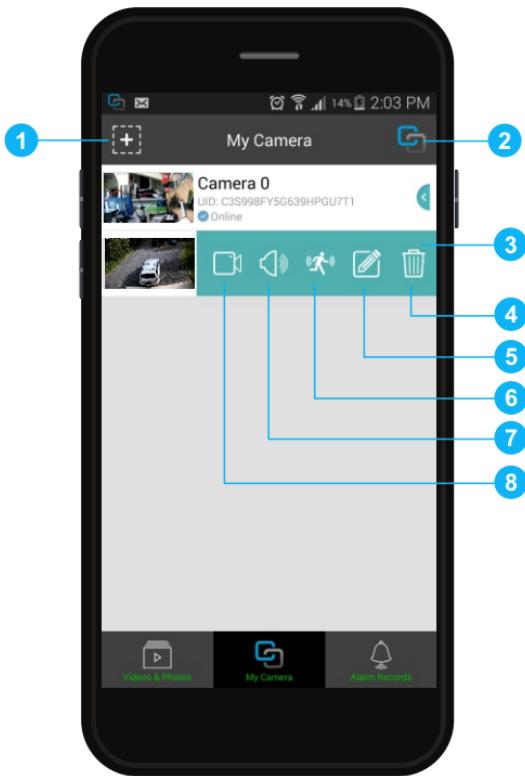
Tap ‹ symbol on the right side of the camera, the sliding menu will be displayed.

1. Add camera
2. View the app version and get support info
3. Sliding menu
4. Detect camera
5. Edit Camera, change settings and password
6. Motion detection enable and disable.
7. Audio mode
8. Video mode
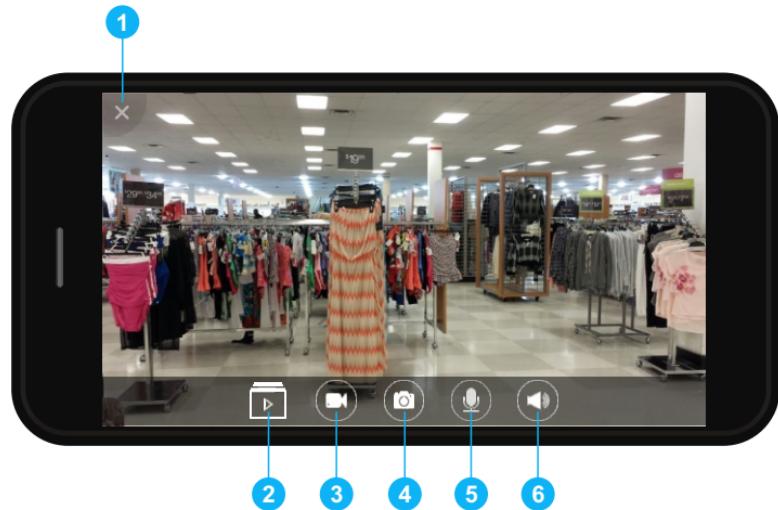
1. Quit live video mode
2. View the recorded Videos and photos
3. Start recording / Stop recording
4. Take a snapshot
5. Enable or disable the microphone of the camera
6. Enable or disable the speaker

6. Setting up Wi-Fi via Android device

Tap < symbol on the right side of the camera, the sliding menu will be displayed.
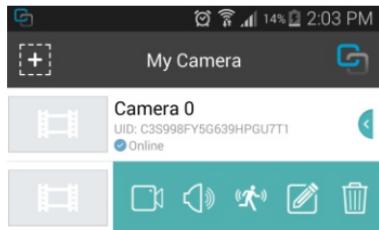

Tap the **Edit Camera** icon from the sliding menu.

And then go to **Advanced Setting** > **Network Setup** .
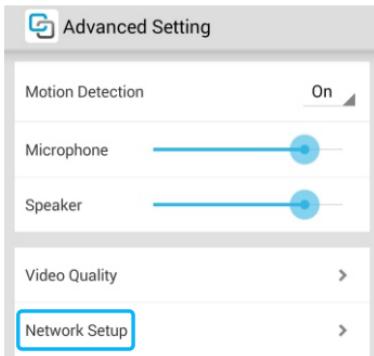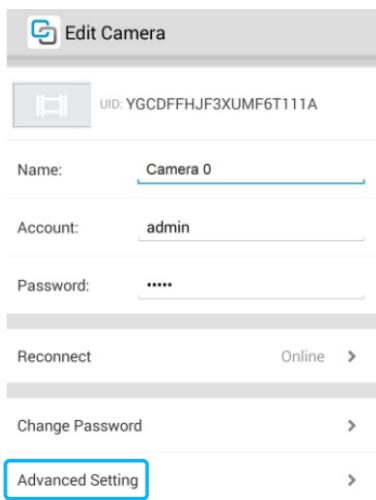
Press **"Wi-Fi Setting"** , then the camera will search for available Wi-Fi networks around it.

Network Setup

Wi-Fi Setting ›

FTP Upload ›

Wi-Fi Setting

SSID   None
        Disconnect

PHYLINK

PHYLINK

TP-Link_245416

FAST_11DA2E

phr-002
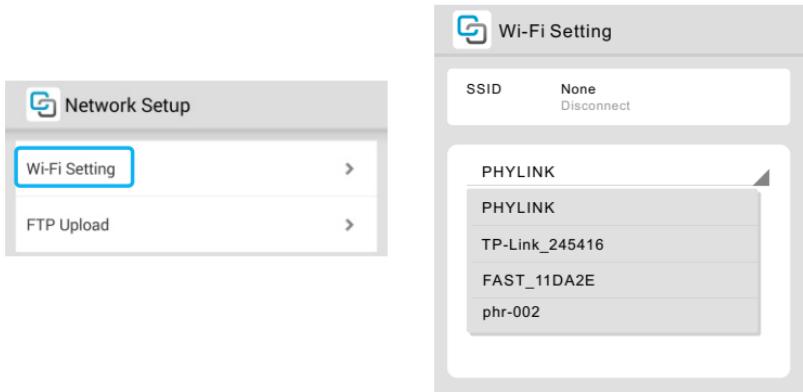
Press on _____ to view the list of available networks.
Select your wireless network from the list.

Wi-Fi Setting

SSID   **PHYLINK**
        Connected

PHYLINK

Signal strength
78 %
Security Mode
WPA2 AES

Wireless password
••••••••

☐ Show password

Apply   Back
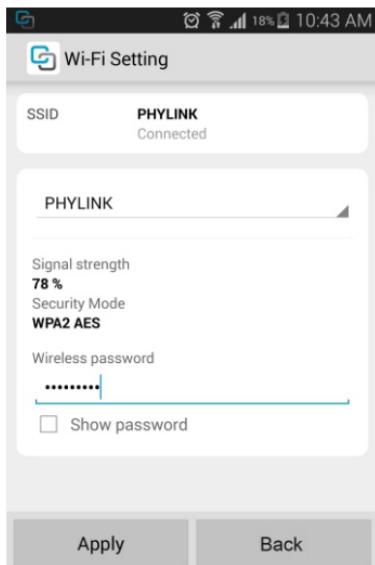
Type in your Wi-Fi password and then press **"Apply"** to save the settings.

After a successful wireless setup, remove the network cable and the camera should work through the wireless network after a short delay.

7. Camera installation on PC or Mac

7.1 Camera installation via Camera Live

Phylink Camera Live is a software which makes you find and view your camera from the Internet easily.

Phylink Camera Live is also a tool that can search for your camera within your local network. You can configure and view your camera via most popular web browsers such as FireFox, Internet Explorer, Chrome and Safari.

Phylink Camera Live is provided on the included CD, for both the Windows and Mac OS.

STEP1

For setup on Windows, insert the provided installation CD into computer's CD-ROM drive and the installation window will appear.
Click on the **"Install Camera Live"** button and follow the setup wizard to complete the software installation.
Note: If the Installation CD program does not start automatically open the CD-ROM drive and double click on"autorun".

For Mac OS, please install the "Camera Live for Mac" from this Installation CD or download it from the Phylink website Downloads section.

PHYLINK HD
Wireless IP Security Camera
INSTALLATION CD-ROM

Install Camera Live

Documents

Exit

NOTICE

The camera must be located on the same local network as your PC/Mac for the initial connection to be established via the camera search function.

STEP2

Click the Phylink Camera Live icon on your desktop, click on ⌞+⌝ to add a camera.

Camera	Multilive	Video	Album	Setup
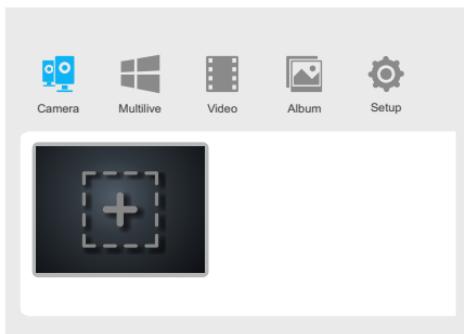
A pop-up window will appear as below.

Add Camera

UID		🔍 Discover
Password		
Name		

OK   Cancel
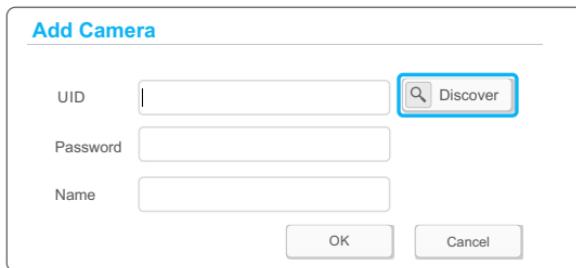
Click the **"Discover"** button and the program will automatically search for an available camera within your local network (LAN).
Select the camera UID from the list and click **"OK"** .

Select Camera

T7S5TH5K2BYRS5BW87Z1 (PLC-325PW)

T5M5TN7U67A4VW87FJ2M (PLC-335PW)

SDS515A6FW5BC7X1UYSU (PLC-233PW)

EVUSJD78JDGHNVBWW76 (PLC-223PW)

OK   Cancel
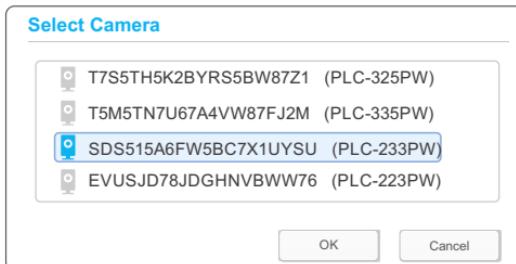
STEP3

Enter **"password"** (The default password is "admin").
And then enter a name for your camera.
Click on **"OK"** to save.

After a few minutes the chain icon 🔗 will turn green 🔗, which indicates that the camera is online and connection is established.

If the camera fails to connect, please check both the hardware connections of your camera and your Internet connection.

Upon completion of the above steps, you have completed the camera installation on your computer and you can view the camera now.

NOTICE

The camera must be located on the same local network as your computer for connection to be established.

If the camera is not located on the same local network as your computer, the Camera Live program will NOT be able to find the camera. You can manually type the camera's UID according to the sticker on the camera cable.

7.2 Play, Delete and Modify cameras

Click on 📧 "menu" button to play/delete/modify camera.

Click on ▶ "play" button for live viewing. Or you can double click on the camera preview for live viewing.

Click on ✖ "delete" button to delete a camera.

In the lower left corner of camera preview, there is a chain icon which use to indicate camera's connection status.

CVZMNUX5A6T2K5VM8RE7

Camera ▶ 📧

| |
| Play |
| Delete |
| Modify |
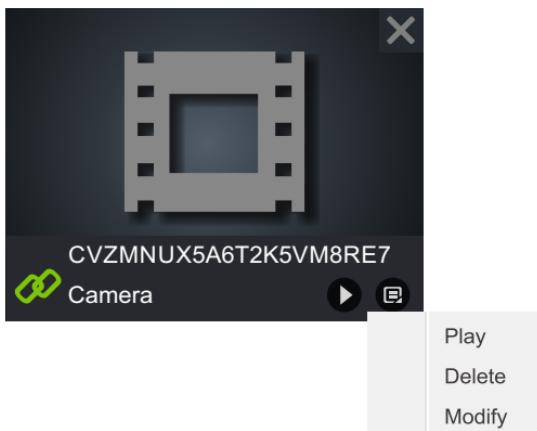
This icon indicates that the camera is online and the connection is established.

This icon indicates that the camera is disconnected.
If this state continues, please check the UID and password you entered, and check if your Internet connection is working.
Also check the hardware installation of your camera.

Click ▶ "play" button or double click on a camera preview to enter the live viewing mode. You can perform various operations with the Play Control Panel at the bottom of live viewing window.
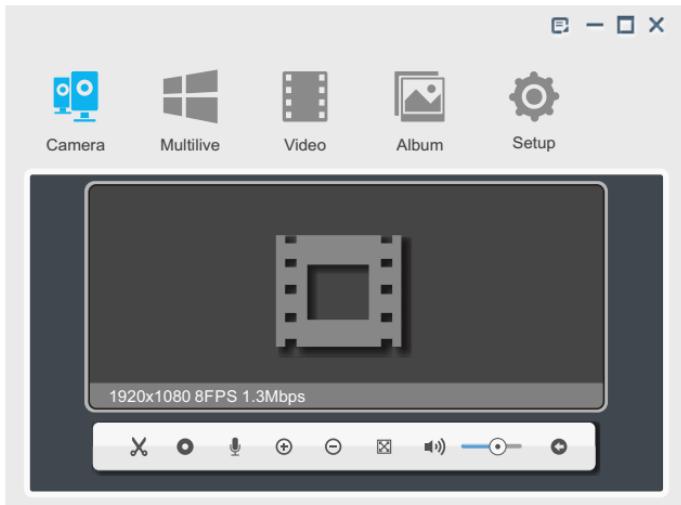
Live Viewing Window

Play Control Panel

|					
✂ Take a snapshot	⏺ Record video	🎤 Speak talk back			
⊕ Zoom in display ratio	⊖ Zoom out display ratio	⊠ Full screen viewing			
◀ Back cameras preview	🔊 Mute	Volume control bar			

7.3 Muliti-viewing on one screen

Click on [icon] "Muliti-Live" button from main toolbar, click selection icon [icon] then the **Select Camera window** will pop up as below.
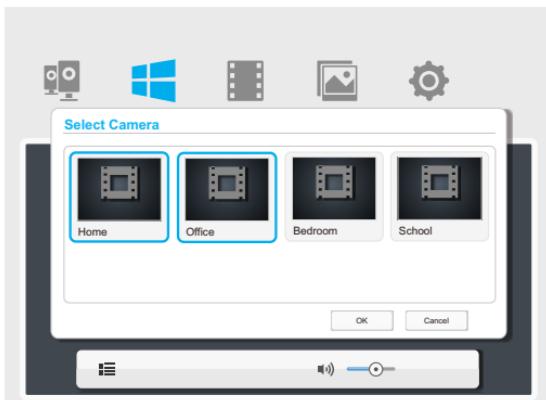
All cameras will be listed. Select the right cameras for Muliti-viewing on one screen. Click a camera preview to add it to the Muliti-viewing window, the camera preview will have a blue border. Clicking the camera preview again will remove the selection and the blue border will disappear.
Once you have made your selection click on "OK" to save.
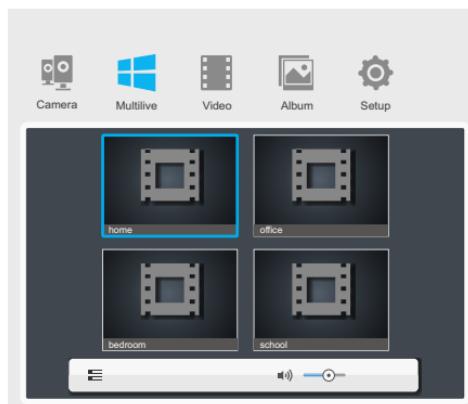
If you wish to hear the sound from a camera, you just need to click the live viewing window of that camera. A blue border will highlight your selection. The available audio is limited to a single camera selection; there is no support for multiple audio streams.

7.4 Video recording, Storage and Viewing

Click on ▐▐ "Video" icon from main toolbar, and select the camera from the list to view and play back the recorded video on your computer.
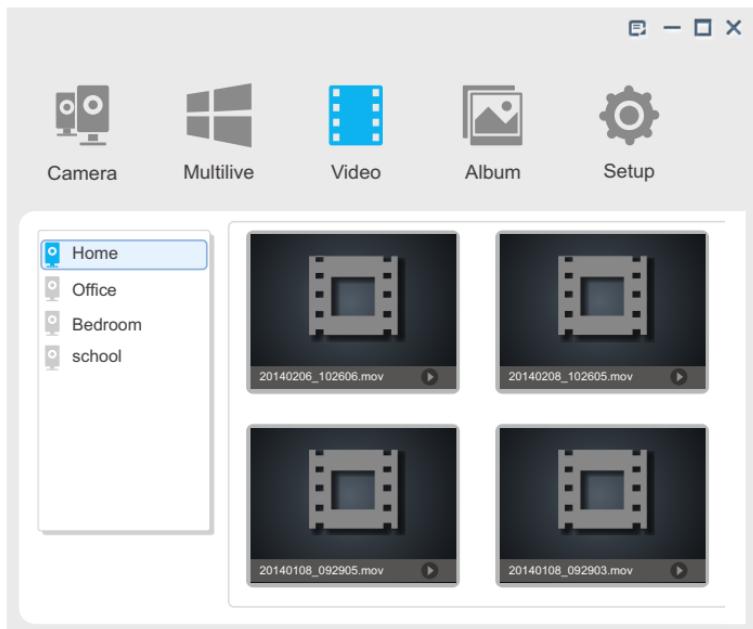
NOTICE

The recorded videos and snapshots will be saved to the "Camera Live" folder under My Documents. You can also specify a path by clicking the "**Save Path**" menu at the top right corner of main toolbar.
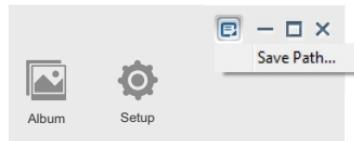
### 7.5 Snapshots, Storage and Viewing

Click on "Album" icon from main toolbar, and select the camera from the list to view the snapshots on your computer.
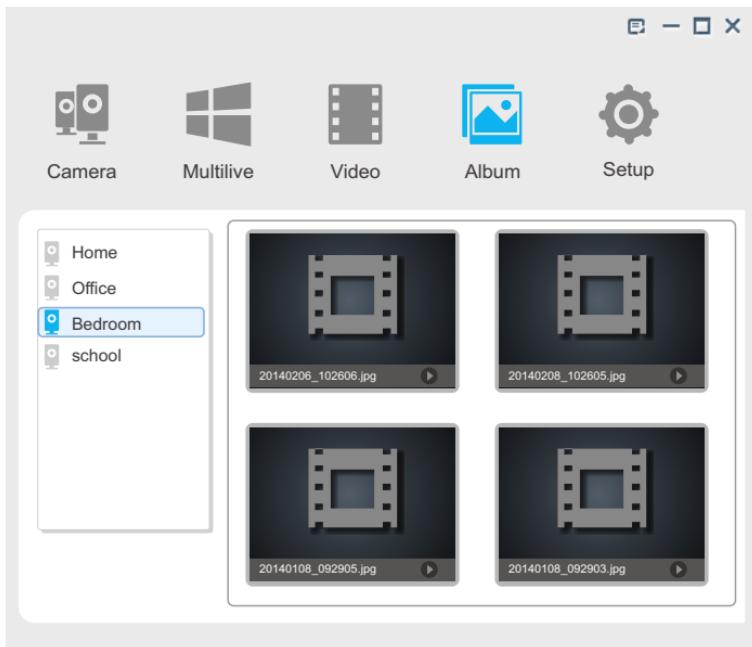
8. Access camera via web browser

8.1 Login to your camera via a browser

Phylink Camera Live is a tool that can search for your camera on the local network. You can configure and view your camera via most web browsers such as FireFox, Internet Explorer, Chrome and Safari.

Start the Phylink Camera Live and click on 🔵 icon from the main toolbar. Click the **"Search"** button, the program should automatically find the camera in your local network (LAN).

Sometimes the program may take a few minutes to find your camera, so if your camera isn't displayed, wait a few minutes before clicking **"Search"** button again.

	Model	Name	Location	IP	Port	MAC	P2P UID
1	PLC-128PW	Network Camera	Default Location	192.168.168.39	80	0:e0:4b:c2:8f:64	T5M5TN7U67A...
2	PLC-335PW	Network Camera	Default Location	192.168.168.56	80	0:e0:4b:c2:6e:22	SR6MJ87HJKF...
3	PLC-233PW	Network Camera	Default Location	192.168.168.77	80	0:e0:4b:b9:11:68	EVFG78KHUW...
4	PLC-223PW	Network Camera	Default Location	192.168.168.75	80	0:e0:4b:c6:23:c4	VDF45G8IPK3...

Select the camera from the camera list and it will be highlighted. Click the **"Browser"** button and the camera's login page will appear.

NOTICE

1. If you cannot search for the camera, please check the connections of the camera and computer. Please refer to **Hardware Installation** section.
2. If you need to configure the IP address of the camera, select the camera from list and click the **"Setup"** button at the lower right corner of the window.

Camera login page

Click the **"Live Video"** button to view the live video.
Click the **"Setting"** button to setup your camera with its various settings.
When prompted for authentication, use the following information.

User Name: admin (The default User Name is "admin".)
Password: admin (The default password is "admin".)

NOTICE

1. Phylink Camera Live can only search for a camera within your local network.
    That means your computer and your camera need to be connected to the
    same router via Ethernet or Wi-Fi.

2. To access the camera via the browser remotely, you have to know your
    camera's URL address. You can login to the camera locally (over your home
    /office network) and browse to Setting > System.
    On the system information page you can find the Internet URL of the camera.
    You can type this URL into your browser and access the camera remotely.

3. To play the live video from the camera, the web browser needs to install the
    flash player plug-ins for Chrome/Safari or ActiveX Control for Internet Explorer.

**To learn more about accessing the camera from a browser, please refer to the
Technical Articles - Access Camera from Browser.**
You can find related technical articles on Phylink technical support website.

8.2 Wireless setup on PC or Mac via browser

Please note that if you have already set up the wireless connection using the App on a smart phone , you can skip this step.

After logging in to the camera via the browser, click **"Setting"** button to configure the camera.
Browse to **Network** > **Wireless Setup** and the following screen will appear.
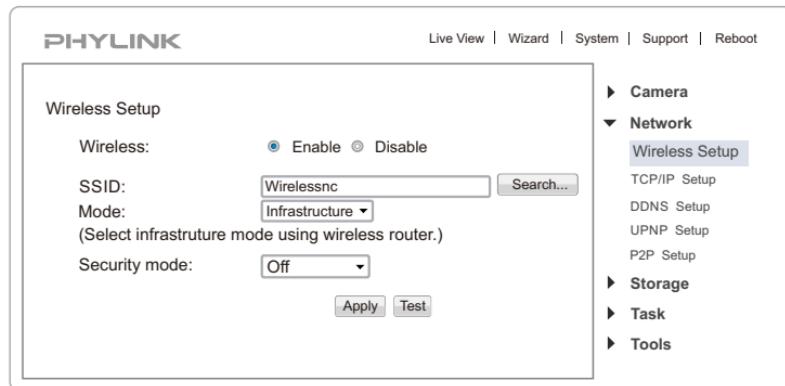
Do NOT type anything in the SSID field. Instead, click the **"Search..."** button so that the camera can search for available Wi-Fi networks.

	SSID	Mode	Channel	Auth	Encrypt	Signal
◎	wirelessnc	Infrastructure	9	OPEN	NONE	▁▃▅▇
◉	TP-LINK_4B8C68	Infrastructure	1	WPA2PSK	AES	▁▃▅▇
◎	FAST_3AC1FE	Infrastructure	13	WPA2PSK	AES	▁▃▅▇
◎	Tenda_0B0458	Infrastructure	13	WPA2PSK	AES	▁▃▅▇

OK   Cancel

Select your Wi-Fi network from the list and click **"OK"**.
Check that your network name has now been filled into the SSID field.

Do NOT change any of the settings (SSID, Mode, security mode, Encryption type)
Enter the "WPA Key".

Note: WPA Key is also known as the wireless key or password and they are case sensitive.

Click the **"Apply"** button and "Wireless setup accepted successfully" message will be displayed.

Now you should click the **"Test"** button to check if all the information about the wireless was entered correctly.

If the test reports "Success!" you can remove the network cable and the camera should work through wireless network after a short delay.

For more advanced settings, (such as Record, Task Management, Motion Detection, Alarm Action, Video Quality and more) please read the User Manual on the installation CD included with this package or download from the Phylink support website.

Technical support

If you encounter any problems, do not return the product to the store

All Phylink hardware products have a one year warranty.
We offer free technical support within warranty time.
**If you purchased this product from us or an authorized retailer,
you are eligible for priority email based technical support.**

Can I speak to someone?

We address most support inquiries through email. One of our qualified technicians will help you as quickly as possible. Most issues can be resolved much quicker by email than by phone. Especially for the special technical problems from customers, email support can provide pictures, video and text points which can not be provided by phone.

**If you are totally stuck, we can make an appointment
for tech support tutorial via one-on-one telephone.**

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