ATLI EON Time-Lapse Camera

Web Access Function Instruction

Contents

ATLI EON Wi-Fi Configurations

ATLI EON supports both Wi-Fi host and client logins as described below. We recommend that you choose either one configuration for accessing the camera because the camera Wi-Fi performance may be affected when both are in use at the same time.

1. Connecting to the camera Wi-Fi directly

You can configure your smart phone / computer / pad to login the camera Wi-Fi directly as shown in the configuration below.
When you first register the camera to the ATLI Cam App, your smart phone logins in the camera Wi-Fi directly.
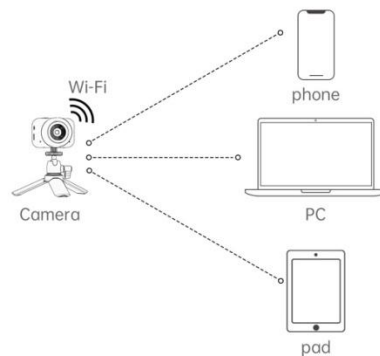
Figure 1

As shown in Figure 1, you can also login to the camera Wi-Fi using your computer or pad by selecting the camera Wi-Fi SSID and then entering the login password. The camera Wi-Fi SSID starts with the prefix "ATLI-" and it is the serial number of the camera. If you only have one camera, you can then identify the SSID easily.
The camera Wi-Fi login password is the serial number of the camera as shown in the camera QR Code.
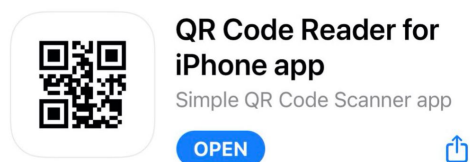If you have already register the camera in the ATLI Cam App, you can then go to 📷 (Camera) and then press ▤ (Camera List), ⋯ (More), ⓘ (Camera Info).

The alternative method is to scan the camera QR code with a third-party QR code reader (not using the ATLI Cam App).

For iOS user, the following QR code reader App is recommended.

QR Code Reader for iPhone app
Simple QR Code Scanner app

OPEN

For Android user, the following QR code reader App is recommended.

QR & Barcode Reader
TeaCapps

*Please note that there are many other third-party Apps that can perform the similar function as the Apps mentioned above, ATLI is not in any way associated with the service providers for those Apps.

By scanning the camera QR code, you will get a text string with the below format:

WIFI:T:WPA;S:ATLI-789abc12;**P:12345678**;**K:1234**

In this example, the camera SSID is ATLI-789abc12, the Wi-Fi Password is "12345678" and the web Authentication Code is "1234."

Please note that Android phone / computer / pad might not have internet access in this configuration. However, iPhone is able to access internet via its mobile network. In any case, this issue can be resolved by using the network configuration as described in 2 below.

2. Connecting to a local Wi-Fi network

This network configuration, as shown in Figure 2 below, requires the smartphone / computer / pad and the camera to join the same local Wi-Fi network; therefore, they all can access internet. Please note that the Remote Support function can only work in this configuration.
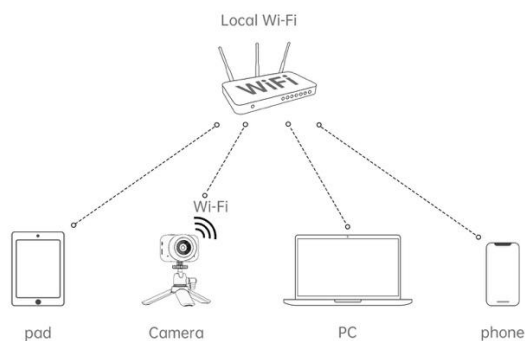

Figure 2

To configure your camera to login a local Wi-Fi network, you can use the ATLI Cam app to access the camera as usual. Once you are in the camera webpage, you can click on the settings icon ☰ at the bottom left-hand corner of the camera operation page and then follow the screen shots shown below.
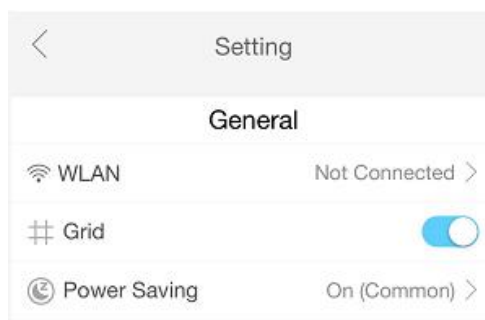

Figure 3

Press on [Not Connected] to access the page below and find your local Wi-Fi network
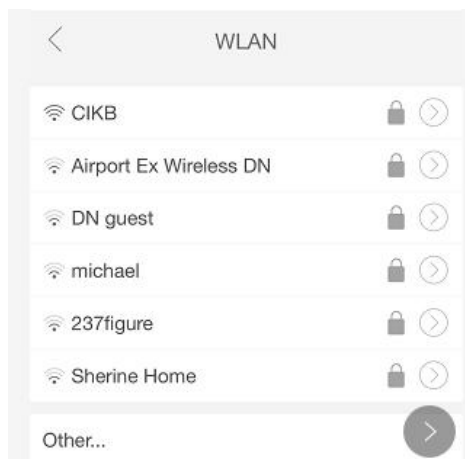
Figure 4

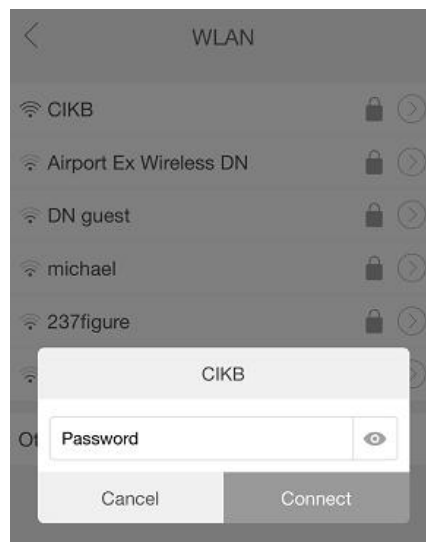Select your local Wi-Fi network and then enter the login password as shown below.

Figure 5

Once the camera logins your local Wi-Fi network successfully, the text color of the Wi-Fi name turns blue as shown below.
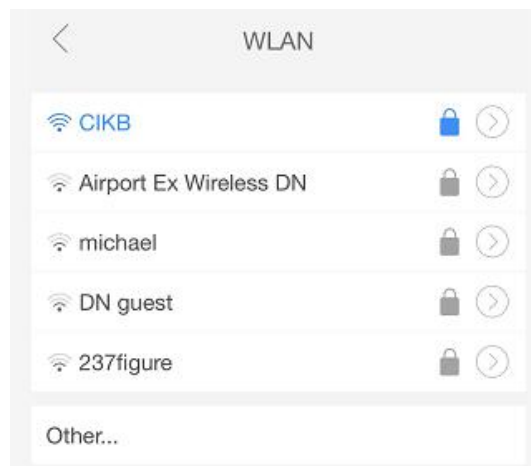
Figure 6

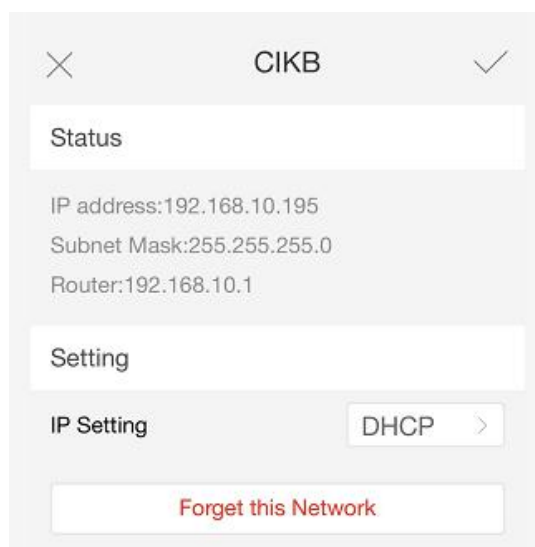Click ⊙ to view the Wi-Fi status and the current IP status.

Figure 7

The default IP Setting mode is DHCP which enables the camera to obtain its IP and the corresponding settings from the Wi-Fi network. You can change this to Static IP mode if you want to fix camera IP as shown below.

Figure 8

Notes

1. *Recommend using IP address the router already assigned to the camera.   In this example it's 192.168.10.195*

2. *Router is the IP address of your Wi-Fi router.   In this case it is 192.168.10.1.*

3. *Recommend DNSs are 8.8.8.8 & DNS2 8.8.4.4.*

Please note that your smart phone at this point still logins to the camera Wi-Fi. Please go to your smartphone settings to change the Wi-Fi connection to your local Wi-Fi. The ATLI Cam App will detects this network configuration automatically and will be able to connect to the camera.

Accessing ATLI EON Remotely

This application note introduces the concept of accessing an ATLI EON camera from internet as shown in the diagram below.
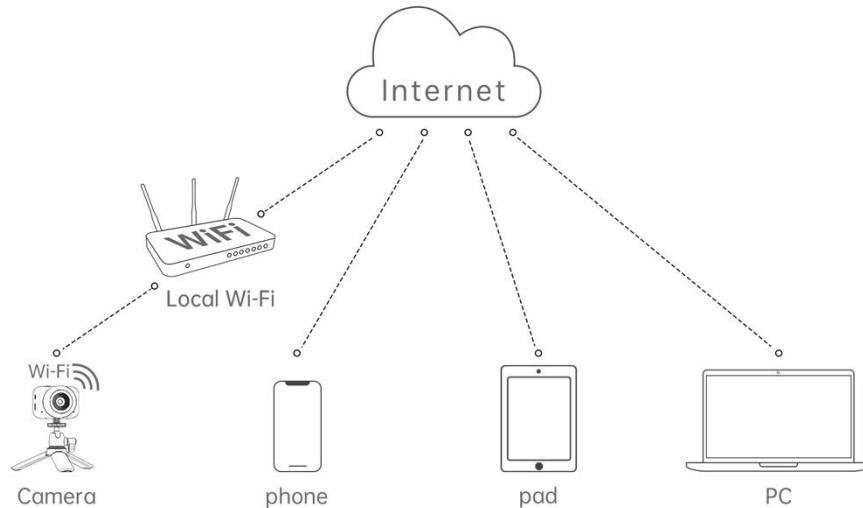
AN001 and AN005 discuss how to access an ATLI EON camera by using the ATLI Cam App or a browser. However, both methods discussed requires either direct or local Wi-Fi connection. This means you have to be at the same physical location where the camera is installed. There are different approaches to break this barrier and some will require specific hardware or additional server support. In this application note, we are going to discuss a simple method that does not require any additional cost. However, it will require some networking knowledge in configuring your router as described below.

1. Public IP / DDNS

If you have a fixed public IP assigned to your router, you can skip this step. However, most of the internet connections are using dynamic public IP which is assigned when your router connection is established with the ISP. In this case, you will have to configure the DDNS in your router.

Most router suppliers are offering DDNS as a free service now. Please check with your router user manual for more information.

2. Port Forward

Since the camera is installed behind your router, you need to configure Port Forward in order to enable the router to forward external internet data traffics to the camera.

Before you proceed, you need to find out the IP address assigned to the camera. You can view this by simply viewing the WLAN status in the camera settings. You can also find out the camera IP by viewing the device connected list in your router.

Select Port Forward in your router setting and add a port forward rule. The internal IP is the IP assigned to the camera, the internal port number is 80, and the external port number is an unused port, says 8080. Click save and apply to enable the port forward setting.

Now you should be able to access the camera webpage from internet via a web browser.
In the browser address field, enter http://<public ip/ddns address>:<external port number> to access the camera webpage. Please refer to AN005 for more details.

If you are interested in building your own business application with ATLI EON cameras, please feel free to contact us via our website www.ATLIview.com for further discussion on your requirements.