



L5Q Camera Installation Guide (Global)

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European Union (EU) Waste of Electrical and Electronic Equipment (WEEE) directive



■ The European Union's WEEE directive requires that products sold into EU countries must have the crossed out trash bin label on the product (or the package in some cases).

As defined by the WEEE directive, this cross-out trash bin label means that customers and end-users in EU countries should not dispose of electronic and electrical equipment or accessories in household waste.

Customers or end-users in EU countries should contact their local equipment supplier representative or service centre for information about the waste collection system in their country.

Contact Us

For inquiries, see https://www.motorolasolutions.com/en_us/support.html > **License Plate Recognition (Vigilant)** or contact our 24 hours support staff at:

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Read Me First

Notations Used in This Manual

Throughout the text in this publication, you notice the use of **Warning**, **Caution**, and **Notice**. These notations are used to emphasize that safety hazards exist, and the care that must be taken or observed.



WARNING: An operational procedure, practice, or condition, and so on, which may result in injury or death if not carefully observed.



CAUTION: An operational procedure, practice, or condition, and so on, which may result in damage to the equipment if not carefully observed.



NOTICE: An operational procedure, practice, or condition, and so on, which is essential to emphasize.

Special Notations

The following special notations are used throughout the text to highlight certain information or items:

Table 1: Special Notations

Example	Description
Menu key or Camera button	Bold words indicate a name of a key, button, or soft menu item.
The display shows <code>Settings Applied</code> .	Typewriter words indicate the MMI strings or messages displayed.
<i><required ID></i>	The courier, bold, italic, and angle brackets indicate user input.
Setup → Settings → All Settings	Bold words with the arrow in between indicate the navigation structure in the menu items.

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Chapter 1

Getting Started

Procedure:

- 1 To download Reconyx Connect Application, scan the following QR code.

[App Store](#)



[Google Play](#)



- 2 To refer to the steps of connecting the power cable in the Solar Panel to the battery and configuring the camera, scan the following QR code.

[L5Q Installation Guide](#)



- 3 To create a Reconyx Connect Application account, refer to the [Configuring Reconyx Connect with the L5Q Camera on page 19](#) section.

Chapter 2



L5Q Overview

The L5Q License Plate Recognition (LPR) camera is designed to perform license plate collection for low speed (less than 45 MPH) and low volume residential traffic (3500 Average Annual Daily Traffic).

L5Q Equipment List

Equipment supplied in the L5Q installation kit:

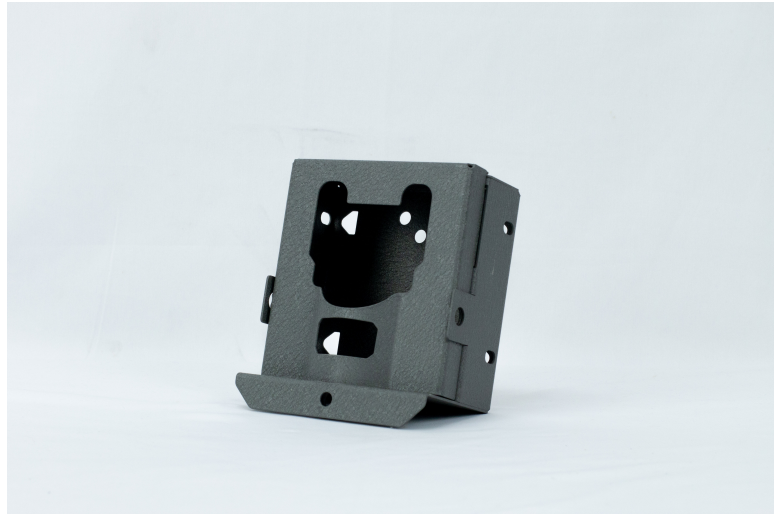
Table 2: List of L5Q Installation Equipment

Equipment	Photo
L5Q Camera	
L5Q Camera Antenna (two quantity with Horizontal Spreader Bar)	

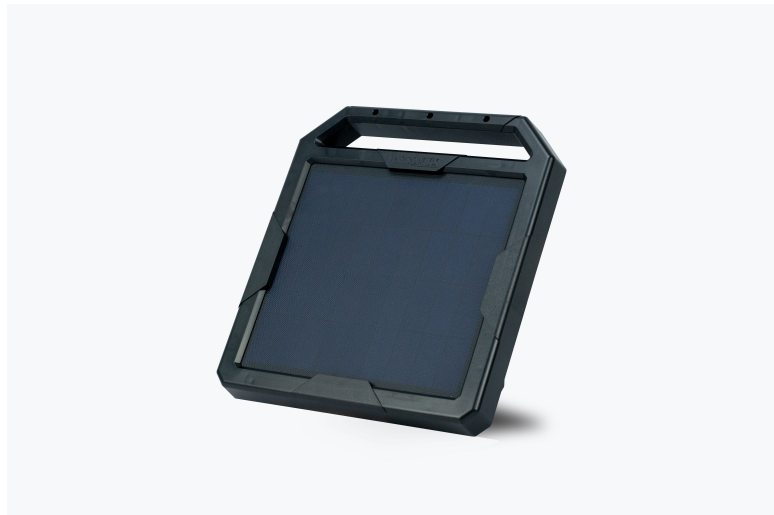
Equipment

Photo

Security Enclosure



Solar Panel Kit



Shielded Power Cable



Equipment

Photo

Solar Panel Mounting Bracket



Security Enclosure Mounting Bracket


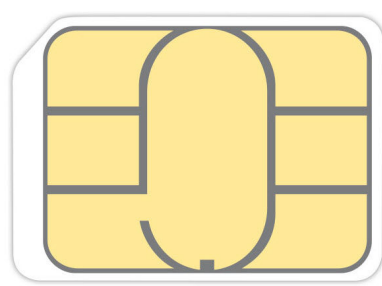



Master™ Cable Lock



Required Accessories

Table 3: List of Required Accessories

Equipment	Photo
Hose Clamps (four pieces)	 A photograph showing four metal hose clamps of varying sizes, coiled together. Each clamp has a serrated edge and a sliding mechanism with a screw.
SIM Card	 A yellow SIM card with a white border and a gold-colored contact area.
SD Card	 A blue SanDisk SDHC card with a red top section. The text on the card includes "SanDisk", "SDHC Card", "4 GB", "32GB", and "LOCK".

Chapter 3

Installation Requirements

Review the following requirements before you proceed with the camera installation.

- SD Card 512GB or smaller.
- SD Card reader to write files to SD Card.
- Nano SIM card with APN and applicable username and password if required.
- Reconyx Connect Application.
- Vigilant ClientPortal or Vigilant LEARN Account.

Chapter 4

Cellular Service Configuration

Cellular service is the only way to off load images from the camera to Vigilant ClientPortal or Vigilant LEARN.

To configure the cellular service, you need to install the APN program and set the APN on the L5Q.



NOTICE: APN Configuration is not applicable to the USA customers.

4.1

Downloading the SIM Configuration Software

Procedure:

- 1 Download the *Hyperfire 2 Vigilant SIM Configuration* software at https://vaasfiles.com/Tools/HyperFire2_VSC.zip
- 2 Extract the **HF2_Cell_SIM_Cfg.exe** file from the zip file.
- 3 Run the **HF2_Cell_SIM_Cfg.exe** file..



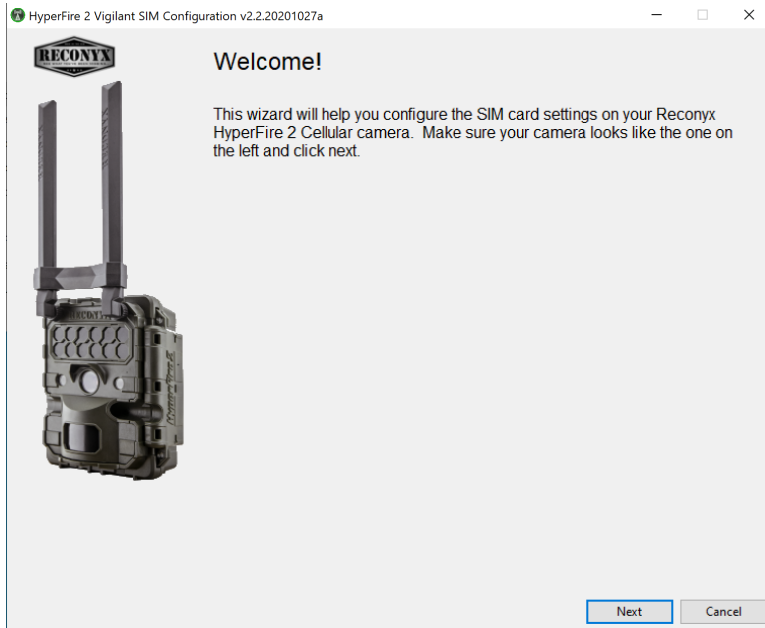
NOTICE: If there is an error stating that dll files are missing, copy the provided dll files into the folder where the .exe file was extracted.

4.2

Setting the APN on L5Q

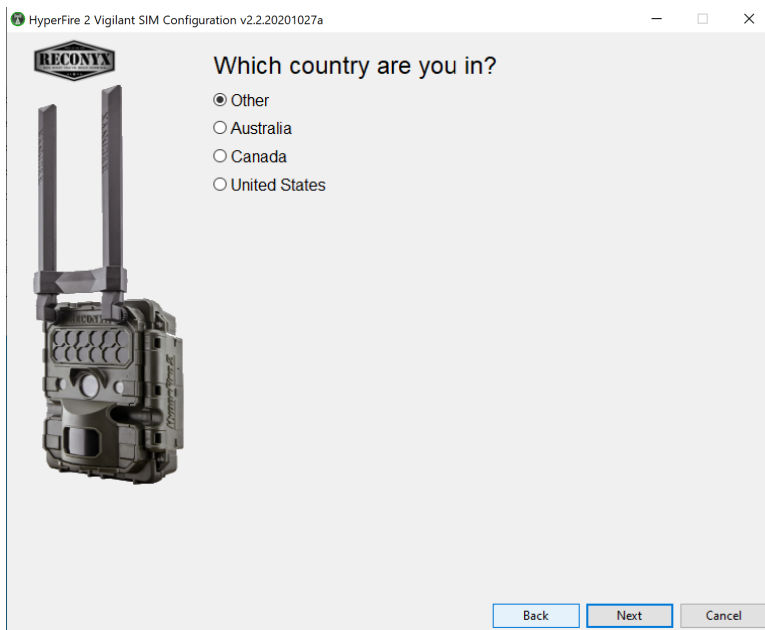
Procedure:

- 1 Insert the SD Card into the SD Card reader of your computer.
- 2 Run the **HF2_Cell_SIM_Cfg.exe** file.
- 3 Click **Next**.



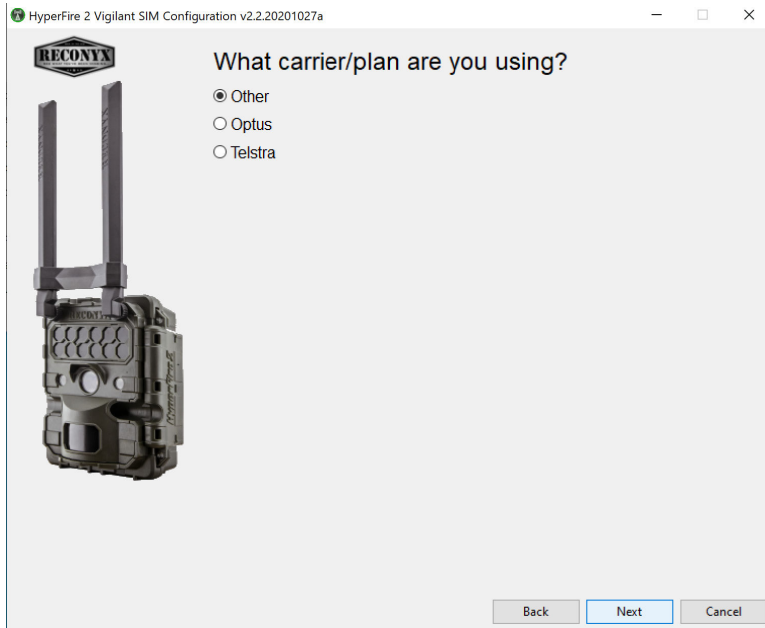
4 Select the country in which the camera will be used.

 **NOTICE:** If the country is not listed, select **Other**.

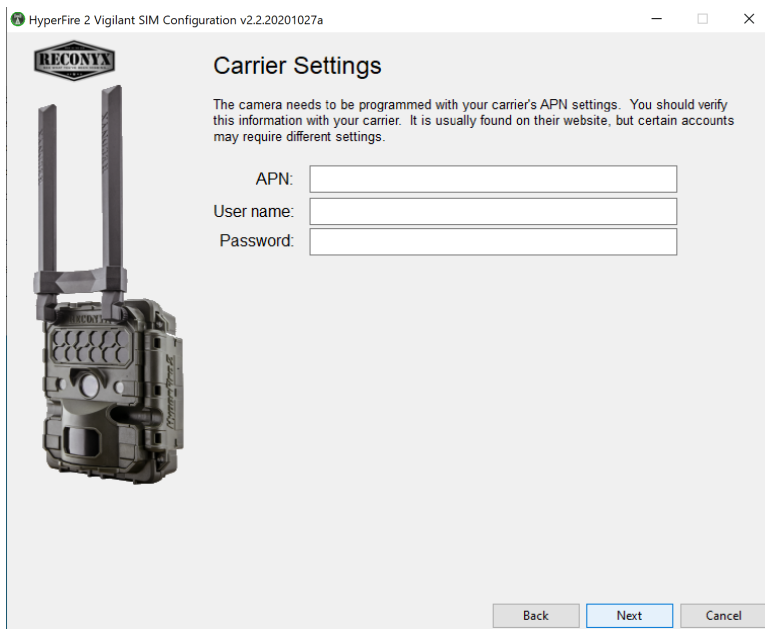


5 Click **Next**.

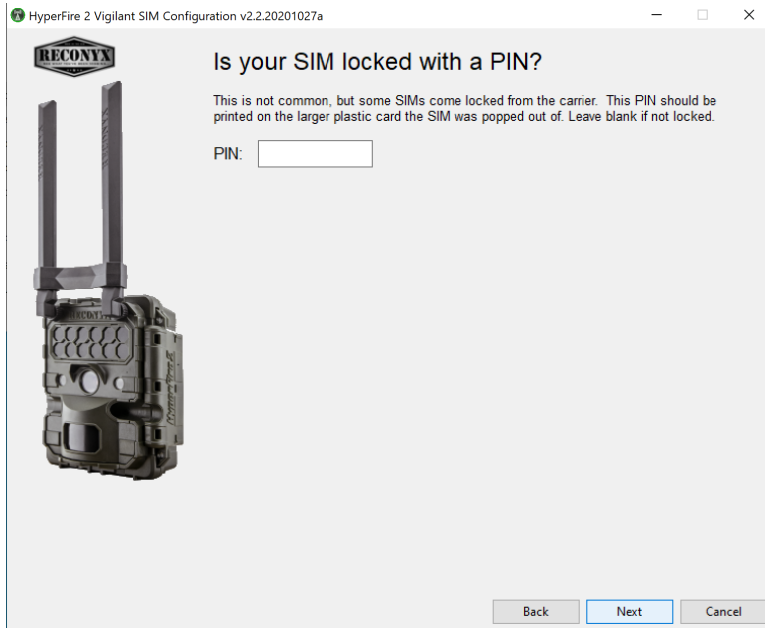
6 To prepopulate the APN information, select the carrier for the selected country or provide the APN of the carrier.



7 Leave **Username** and **Password** blank unless provided by the carrier.



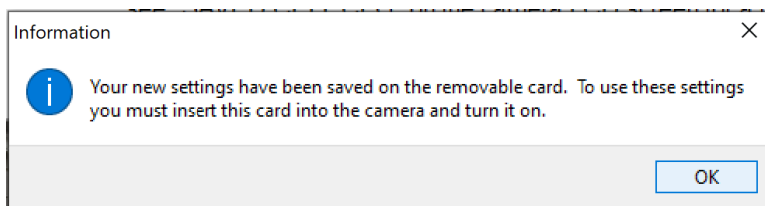
8 Provide the SIM pin if required.



9 Click **Next**→**OK**.



10 In the information window, click **OK**.



11 Insert the SD card into the L5Q.

Chapter 5

Vigilant ClientPortal/Vigilant LEARN Configuration

5.1

Adding a New Camera

Procedure:

- 1 From the home screen, navigate to **PlateSearch**→**Site Management**→**Stand Alone Cameras**→**New**.
- 2 In the **Add Camera** window, enter the following information:

Table 4: New Camera Information

Field	Value
Camera Name	<Site Name> (Last 4 of Serial number) OR <Road Name> + <Direction> + (Last 4 of Serial number) Example: Washington HOA 1234 or Washington Ave NB 1234
Serial #	Serial number of the camera
Camera Location	Click the Pin icon to search for the POC address
Address	POC Address
OCR	OCR Region of POC
Timezone	Timezone of POC

Figure 1: Add Camera

The screenshot shows a dialog box titled "Add Camera". It contains the following fields and controls:

- Camera Name:** A text input field.
- Serial #:** A text input field.
- Camera Location:** A checkbox with a pin icon.
- Latitude 0.0:** A text input field.
- Longitude 0.0:** A text input field.
- Address:** A text input field.
- OCR Region:** A dropdown menu with "--Select--" as the selected option.
- Time Zone:** A dropdown menu with "--Select--" as the selected option.
- Buttons:** "OK" and "Cancel" buttons at the bottom.

- 3 Click **OK**.
- 4 Select the newly created camera.
- 5 Select **View**.

Chapter 6

Assembling the L5Q Camera

Procedure:

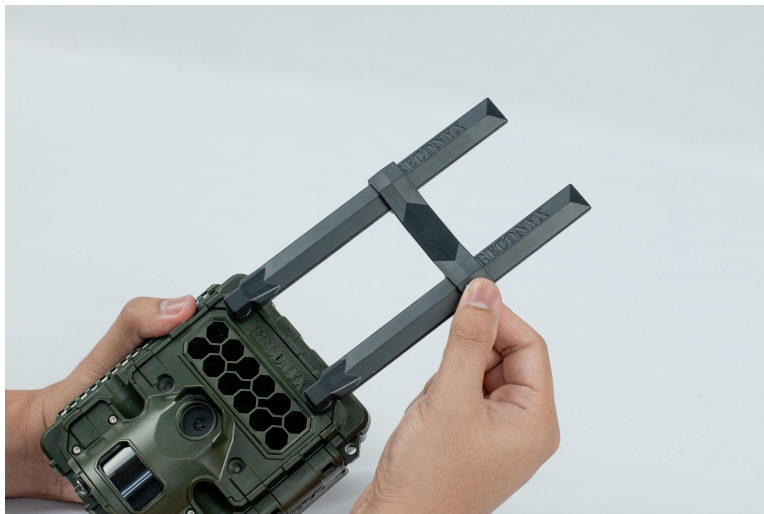
- 1 Attach the antennas to the faceplate.
 - a Screw both antennas onto the faceplate of the camera.

Figure 3: Attaching Antennas



- b Slide the Horizontal Spreader Bar into a place down to the stops on the back of the antennas, just above the spreader bar.

Figure 4: Slide in the Spreader Bar




- 2 Open the camera body.
- 3 Insert the SD card into the SD card slot on the left side of the camera.

Figure 5: Slot in the SD Card



- 4 Perform one of the following actions:
 - Open the camera and install 12 AA Lithium Ion Batteries.
 - Connect the camera to the Solar Panel with the power cable.

 **NOTICE:** If you are connecting the camera to the Solar Panel, do not install the 12 AA batteries. Place the included desiccant pack into the battery compartment to protect it from moisture.

- 5 Turn on the L5Q power switch.

Figure 6: L5Q Power Switch



- 6 Set the correct date and time using the menu navigation buttons.
- 7 At **Pair cell to app**, select **YES**.
- 8 Enter the Device Code into Device code field in the Reconyx Connect Application when prompted.

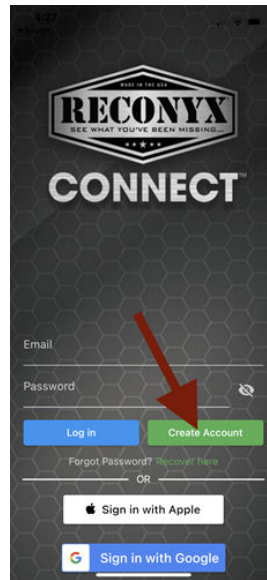
Chapter 7

Configuring Reconyx Connect with the L5Q Camera

Procedure:

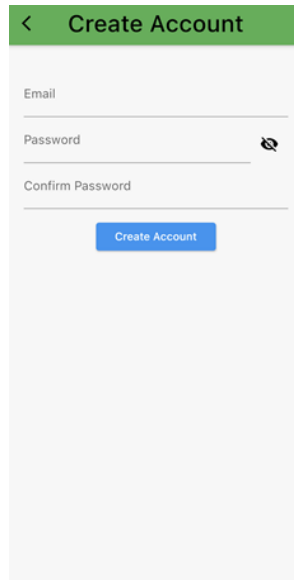
- 1 Open the Reconyx Connect.
- 2 Tap **Create Account**.

Figure 7: Create Account



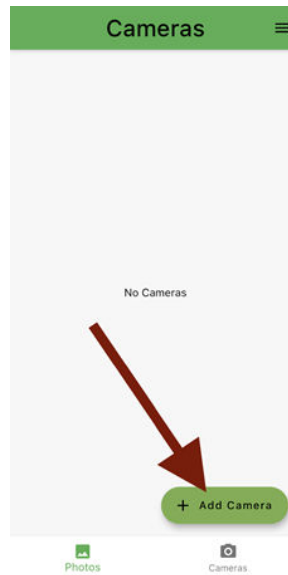
- 3 Enter your **Email Address**.
- 4 Enter and confirm a **Password**.

Figure 8: Enter Email Address and Password



- 5 Add the camera.
 - a Tap **Add Camera**.

Figure 9: Add Camera



- b If this is the first camera, ensure the Name and Last Name match the POC information and tap **Next**.
 - c Enter the address of the POC and tap **Next**.
 - d Scan the QR code on the camera or manually enter the camera serial number.



NOTICE: Ensure the populated Serial Number matches what is written on the sticker.

Figure 10: L5Q QR Code and Serial Number



6 Select either **Image 1** or **Image 2**.



NOTICE: Select either one to progress to the Device Code screen, only follow the directions if the device code is not on the L5Q LCD display.

Option	Actions
Image 1	<ul style="list-style-type: none"> a Set Date/Time if it has not been completed. b Press the Right button to scroll through the menu options to CHANGE SETUP and press OK. c Press Up or Down button to change numbers and Right or Left button to scroll through settings for year, month, date, and time accordingly. d Press the Right button to scroll to DATE/TIME and press OK. e Press OK to exit.
Image 2	Enter Device Code from the L5Q LCD display into the Device Code field in the application.

7 Test the connection.

- a** Scan the **Advanced Config QR Code** from [Figure 2: View Camera on page 16](#).
- b** Select **Test Connection**.

Green Check in the box indicates that the connection is successful.

8 To finish the setup, select **OK** on the camera and arm the camera on the L5Q.

9 Deploy the L5Q camera by referring to [L5Q Installation Guide](#).