

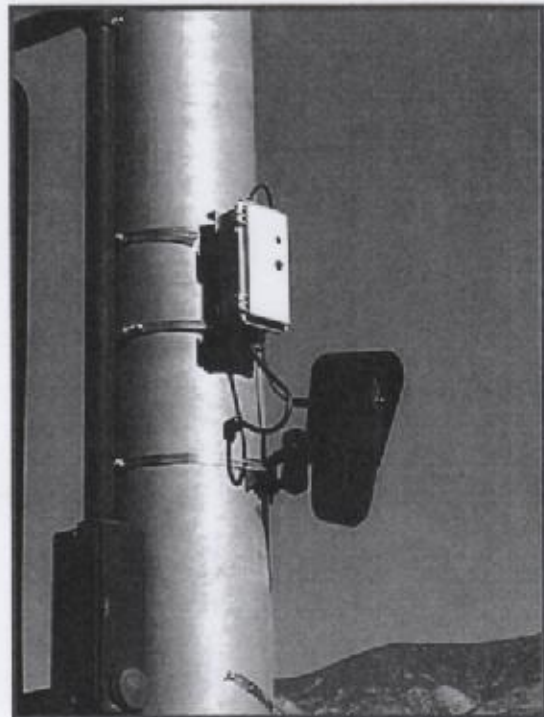
flock safety

AC Powered Installation of Cameras

Flock Safety is a leading provider of License Plate Reading cameras for community-wide safety. The camera system is designed to be infrastructure-free, using cellular networking and solar power, however, there are certain deployments that have limited access to sunlight that require AC power. Flock offers an easy-to-use power kit that enables our customers to work with local electricians to route power to the cameras after the camera is installed, resulting in an efficient quote and installation process.

In this document you will find:

1. AC Powered Installation Process
2. Electrician Installation Steps
3. Frequently Asked Questions



If you have any questions, please call the Flock Safety Installation Support team at 404.793.5197.

AC Powered Installation Process

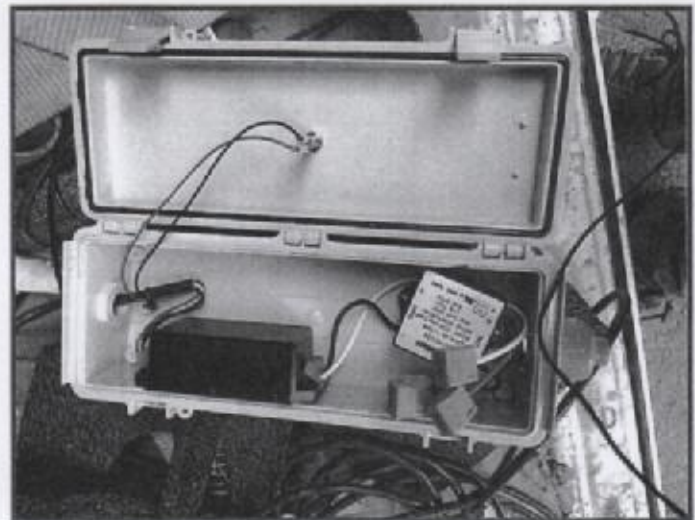
1. **Create Deployment Plan with Flock:** Your Flock rep will work with you to select the best location(s) for your LPR cameras. For locations that may require AC power, it will be helpful for you to know where the closest AC power is available so that we can select the closest workable location.
2. **Get Quote from Electrician:** Provide your electrician with this document and the deployment plan and ask them to quote running 120volt AC power to the intended camera location and connect power to the camera as described in the

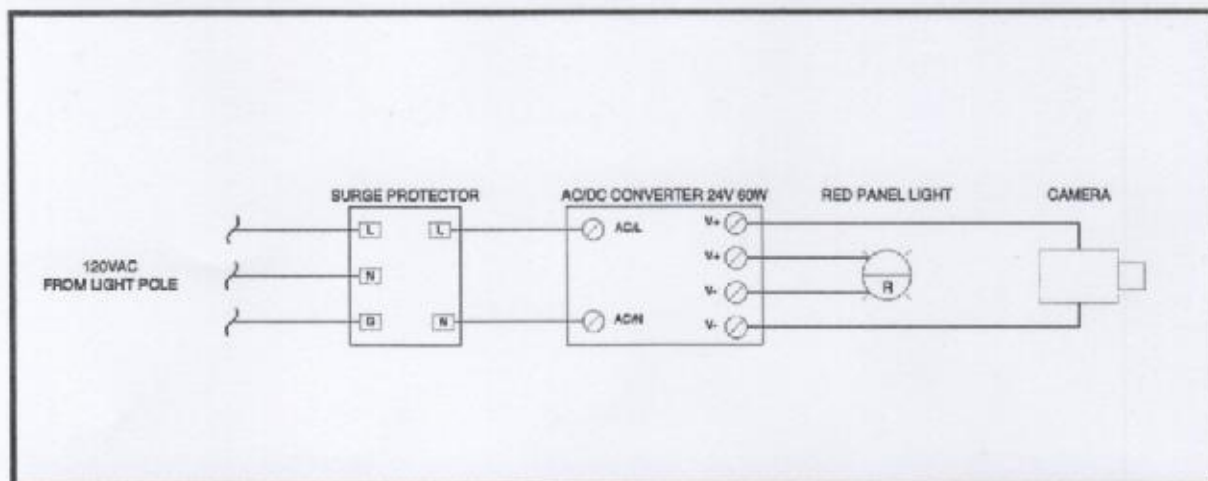
instructions in this document. Explain that we will install the camera and junction box first, and their work can be completed second.

3. **Sign Flock Safety Agreement :** Now that you know the cost of the electrician you will need to sign the Flock Safety purchase order to begin the installation of the cameras
4. **Flock Performs Site Survey:** Flock will mark each camera location and have underground utilities located and marked if present.
5. **Flock Technician Installs Camera:** Flock will install the camera and AC power kit at the specified location and aim the camera. The camera will go to sleep to conserve battery and will turn on when power is present. Flock will send you an email notification once the camera has been successfully installed, letting you know that the site is ready for the final step.
6. **Electrician Connects Power:** The electrician you contract runs power and makes connections inside the Flock-installed junction box at the bottom of the camera pole.

Electrician Installation Steps

1. Run AC cable and conduit to the box according to NEC Article 300 and any applicable local codes. The gland accepts ½" conduit
2. Open the box using hinges
3. Connect AC Mains per wiring diagram below:
 - a. Connect AC Neutral wire to the Surge Protector white Neutral wire (W7) and LED black wire (W11) using the open position on the lever nut.
 - b. Connect AC Line wire to the Surge Protector black Line wire (W9) and LED white (or red) wire (W10) using the open position on the lever nut.
 - c. Connect AC Ground wire to the Surge Protector green ground wire (W8) using the open position on the lever nut.
4. Verify that both the RED and GREEN LED are lit on the front of the box
5. Take a picture to text to Flock to verify correct wiring. 470-279-5592
6. Close box and zip tie the box shut with the provided zip tie
7. While still on site, call Flock who will remotely verify that power is working correctly: 404-793-5197





Frequently Asked Questions

- **What voltage is supported?** The AC kit is designed to work with 120VAC infrastructure by default. A 240VAC version is available on request.
- **How much power does this consume?** The power consumption of the camera is dependent on traffic volume. The maximum current draw will be 1.5 A at 120VAC, but the draw will typically be much lower when traffic is not present.
- **Who is responsible for contracting the electrician?** The customer is responsible for contracting an electrician. We can help answer questions, but the customer is responsible for identifying and contracting an electrician.
- **Who is responsible for maintenance?** Flock will handle all maintenance related to the camera and power equipment installed by Flock. However, any problems with the electrical supply are the responsibility of the customer. The AC junction box has two lights to indicate presence of power and make it easy for quick diagnosis if there is a problem related to AC power source.
 - In the event the camera indicates to Flock that there is a power supply problem, Flock will notify the customer and request that the customer verify the lights on the AC junction box. If the AC Source light is illuminated, Flock will send a technician to investigate. If the AC source light is not illuminated the customer should check any GFCI's or breakers in the supply circuit or call the electrician who installed the power supply.
- **How much does it cost?** Work required to bring AC power to each location will be different, so exact pricing is not possible. The primary driver of cost is the distance from AC power source to the intended camera location.
- **What information do I need to provide my electrician?** The flock deployment plan and these work instructions should be sufficient to secure a quote. It will be

helpful if you know the location of existing power infrastructure before creating the deployment plan.

- **Can you plug into my existing power outlet?** The Flock AC power adapter does not use a standard outlet plug, but must be directly wired into the power mains. While using outlet plugs may be convenient, they can easily be unplugged presenting a tampering risk to this critical safety infrastructure. If an outlet is close to the camera, the electrician can route power directly to the camera with a direct wire-in connection.
- **How long does this process typically take?** The installation process typically takes 2-4 weeks. In order to accelerate the process, be sure to have the electrician perform his work shortly after the Flock technician finishes installing the camera.
- **What kind of electrician should I look for?** Any licensed electrician should be able to perform this work, though we have found that those who advertise working with landscape lighting are most suited for this work.
- **What happens if the electrician damages the equipment?** The customer is responsible for contracting the electrician. Any liability associated with this work would be assumed by the customer. If any future work is required at this site due to the electrical infrastructure or the work performed by the electrician would be the responsibility of the customer.
- **When should the electrician perform his work?** Once Flock installs the camera, you will receive an email alert letting you know that this has been completed. After this, you will need to schedule the electrician to route power to the pole.
- **What if the AC power is on a timer?** Sometimes the AC power will be on a timer (like used for exterior lighting). Flock requires that the AC power provided to the camera be constant. The source that the electrician uses must not be on a timing circuit.