



BARN OWL

RangeCam

INSTRUCTION MANUAL

VERSION 1.0 | OCTOBER 2024

WWW.BARNOWL.TECH

TABLE OF CONTENTS

What's In The Bundle	2
Register Barn Owl HQ & Activate Your Camera	3
Before You Deploy	5
Camera Placement and Field Deployment	7
Barn Owl HQ App User Guide	11
Troubleshooting	15
<i>Adding cameras</i>	15
<i>My camera isn't transmitting</i>	16

WHAT'S IN THE BUNDLE

NOTE: Solar charging accessories may vary depending on your solar panel model.



RangeCam



Antennas



Solar Panel



Power Adapter
(Solar Panel Charging)

OR



USB A to Barrel Cable
(Solar Panel Charging)



AA Batteries



SIM (Pre-installed)



32 GB Memory Card



12V Solar Panel to
Camera Cable

REGISTER & ACTIVATE YOUR CAMERA

Quick Setup:


1. Scan this QR code with your smartphone's camera app.
2. Click the link that appears on screen to register your Barn Owl HQ account.
3. Enter your details and select your preferred Billing Plan.

SCAN QR CODE HERE OR



app.barnowl.tech/register

SCAN THE QR CODE
FOUND ON YOUR BOX

A screenshot of the Barn Owl HQ mobile app interface. At the top, the Barn Owl HQ logo is displayed. The main heading is "Find Purchase". Below the heading, there is a sub-heading: "Enter the purchase order number from your confirmation email to find and activate your cameras." There are two input fields: "Email Used for Purchase" and "Purchase Order Number", each followed by a question mark icon. At the bottom, there are two buttons: "Skip for Now" and "Lookup".

Quick Setup (continued):

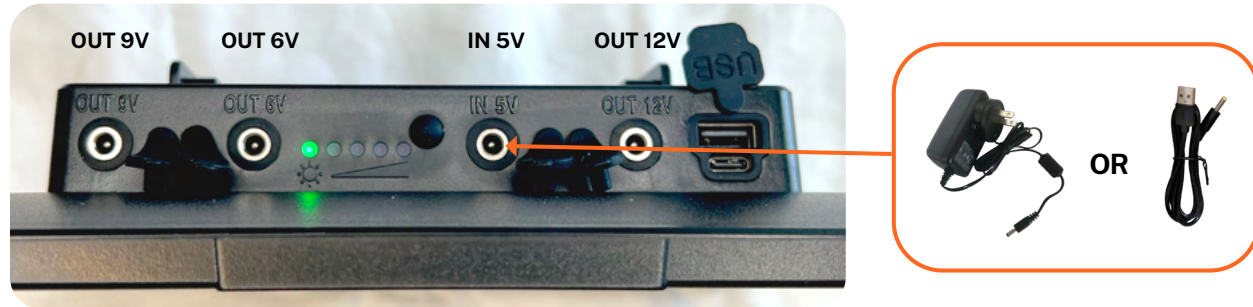
4. Enter your Purchase Email or Order Number to add your cameras to your Barn Owl HQ account and click Lookup.
5. Select and name the cameras you would like to activate.

NOTE: If your cameras are not automatically added via the Purchase Email or Order number, see our Troubleshooting steps at the end of this guide.

BEFORE YOU DEPLOY

Charge Your Solar Panel

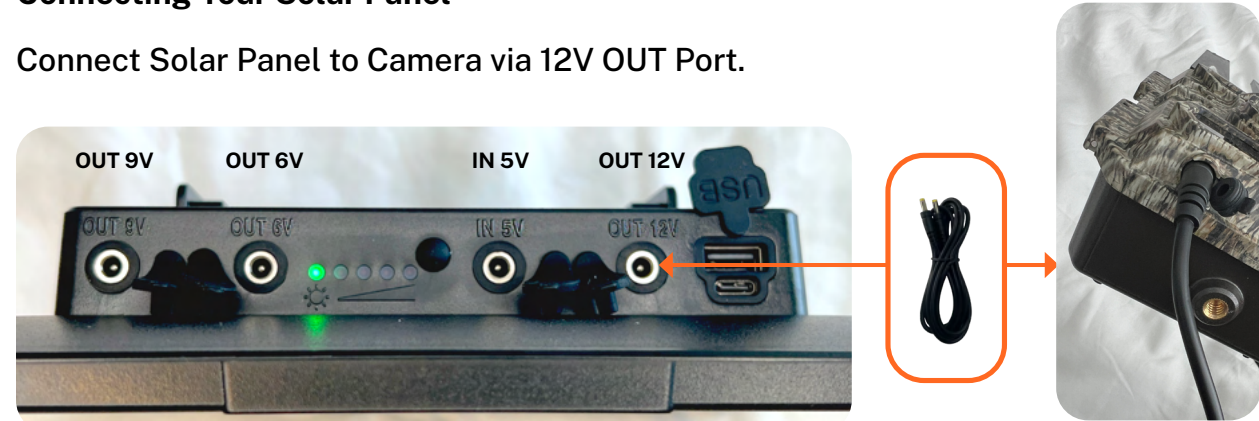
Charge for 8-10 hours with power adapter or USB connector via 5V IN Port.



5

Connecting Your Solar Panel

Connect Solar Panel to Camera via 12V OUT Port.



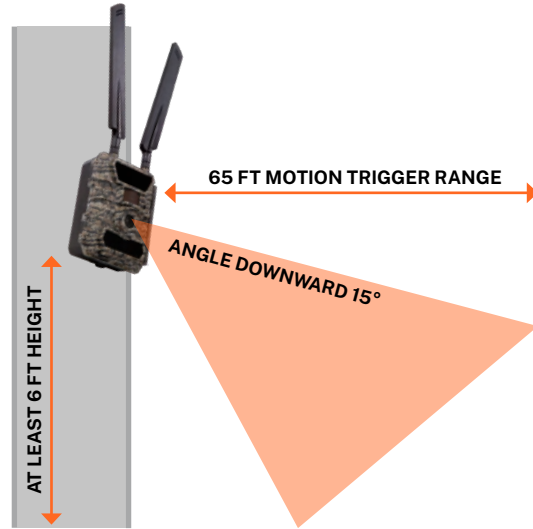
6

CAMERA PLACEMENT AND FIELD DEPLOYMENT

Height: Mount your camera 6 feet or higher above the ground.

Tilt: Tilt your camera slightly downward. A 15-degree tilt helps capture more infrared light at night, improving your nighttime photos.

Motion: Place your RangeCam within its motion trigger range: 65 feet. Remember, your device triggers on movement, so swaying plants can cause unwanted images. Avoid any tree branches or brush directly in front of the camera lens.



Capturing Vehicles:

Instead of a head-on or parallel view, angle your camera towards the road at about 45 degrees. This increases the time a vehicle spends in front of the lens, giving you the best shot at capturing those license plates!



ASSEMBLE & DEPLOY

Steps:

1. Attach Antenna(s).
2. Insert SD Card and AA Batteries.
3. Set Toggle Switch to "ON".
4. The Camera will take 1-2 minutes to connect cellular and begin transmitting motion triggered photos.
5. Verify that photos are transmitting to your Barn Owl HQ account. Trigger a motion photo by waving your hand in front of the lens or request an On-Demand image.


Note: When the camera is switched ON, the camera display will shut off.




BARN OWL HQ USER GUIDE

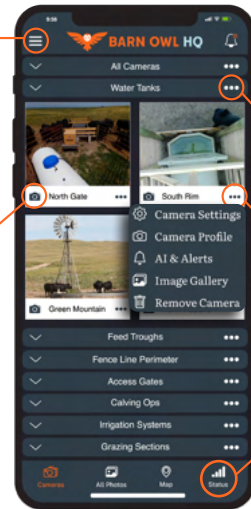
Camera Settings:


Your camera settings determine how and when photos are taken. Click the 3 dots on your camera to update settings—pictured on the right. Barn Owl cameras can capture images via motion, on a schedule, or on-demand. For the best experience, we recommend updating settings via Barn Owl HQ and not on the camera body.


 Select **Main Menu** to check billing and account details.


 **On-Demand Image**
Click the camera icon below an image to trigger your camera on-demand.

Note:
Barn Owl will receive the image in about 10 seconds.



 Access **group options** by selecting the three dots in the camera group label.

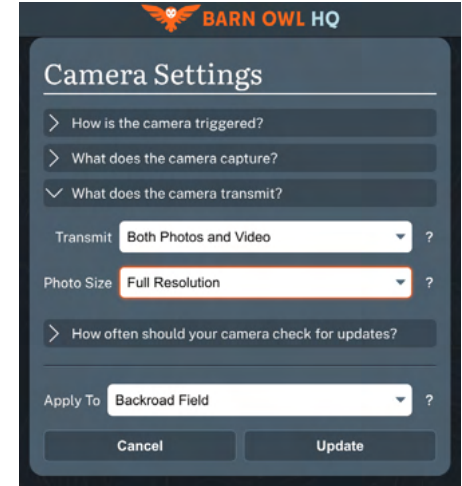
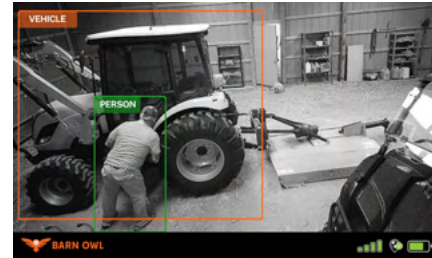
 Access **camera settings and AI & alerts** by selecting the three dots below.

 **Status**
Check camera status, signal, and battery life.

RECOMMENDED SETTINGS

Security

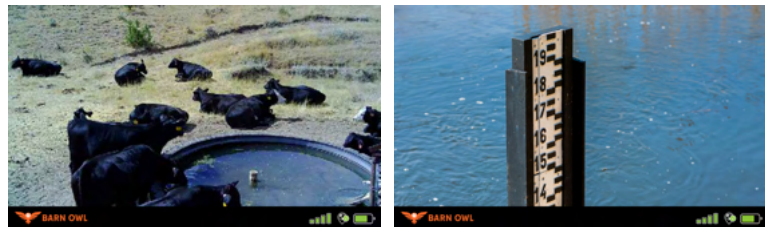
Our default settings are best for security and monitoring your property. The camera will trigger on motion and alert you of any activity on your location. Consider increasing the Photo Size to medium or higher to clearly read license plates and identify trespassers.



Monitoring

The settings on the right are ideal for monitoring tanks, water levels, gauges, or other stationary objects that don't require motion triggering.

In this example the camera will automatically send a picture every 3 hours between the hours of 8:00 AM and 2:00PM.



13

BARN OWL HQ

Camera Settings

How is the camera triggered?

Motion Detection Settings

Motion Trigger

Auto Capture Schedule

Choose an interval to automatically receive pictures or videos, regardless of motion. Ideal for monitoring tanks, gauges, or other stationary objects.

Capture Schedule

Camera Operating Hours

Choose how often the camera should capture photos or videos, or turn off automatic capture.

Operating Hours

Start End

AI & Alerts

Barn Owl's Ai Detection is capable of identifying animals, people, and vehicles and immediately alerting you.

You'll always know what's going on on your property based on your preferences.

The pictured example is best for security cases and will only alert you when People or Vehicles are detected on your property.

BARN OWL HQ

AI & Alerts

AI Alerts Camera Alerts Contacts

AI Detection

AI Alerts

	App	Email	Text
Animal Detected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Person Detected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle Detected	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Apply To

Text messages billed at the rate of 3 cents per message.

14

TROUBLESHOOTING

1. **Adding cameras:** If Barn Owl HQ is not able to automatically add your camera, then they can be manually added via the following methods:

- a. Scan your camera's QR code, located under the cover of its box, with your smartphone camera. Then, click the link that appears on your screen. This will automatically add your camera to Barn Owl HQ.
- b. Manually add your camera by entering the IMEI and SIM # printed on your camera and SIM card.



IMEI Number



SIM Card Number

2. **My camera isn't transmitting:** Double-check that all antennas, cards, batteries, etc. have been installed in the unit. Then, quickly power cycle the unit by placing the Toggle Switch in the OFF position for 30 seconds and follow the steps below.

Step 1: Set Toggle Switch to "Setup".

Step 2: Wait for the "Searching" message to disappear from the camera display

Step 3: Press OK button to send Test Photo. "Send FTP" will show up on the display, followed by "Send Succeed". This confirms that your camera is receiving signal and transmitting directly to your Barn Owl HQ Account.

Step 4: Set Toggle Switch to the "ON" position.



NEED HELP?

Contact us anytime:

Text: 720-738-7067

Call: 720-594-3649

Email: support@barnowl.tech

Online: www.barnowl.tech

Hours:

9am-6pm EST

Monday-Friday



**BARN OWL
HELP CENTER**

