



BARN OWL

RangeCam 2

INSTRUCTION MANUAL

VERSION 1.0 | MAY 2025

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 2



Antenna



Solar Panel



USB Cable
(Solar Panel Charging)



AC Adapter
(Powers Camera via
Wall Outlet Only)



2 x Mounts



2 x Mounting
Straps



SIM Card
(Pre-installed)



32 GB Memory Card
(Pre-installed)



12V Solar Panel to
Camera Cable

REGISTER & ACTIVATE YOUR CAMERA

Quick Setup:

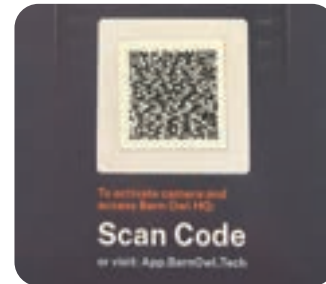
1. Scan this QR code with your smartphone's camera app.
2. Click the link that appears on screen to register your Barn Owl HQ account.
3. Enter your details and select your preferred Billing Plan.

SCAN QR CODE HERE OR



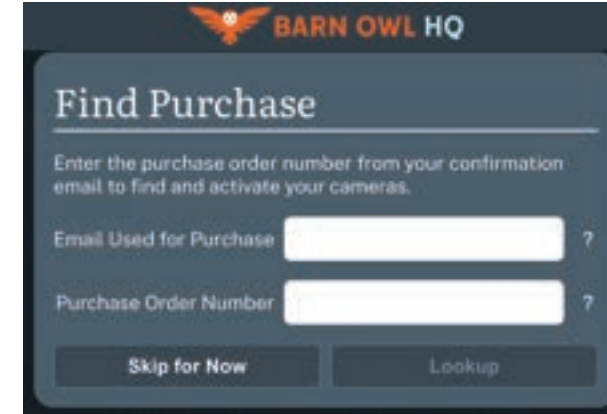
app.barnowl.tech/register

SCAN THE QR CODE
FOUND ON YOUR BOX
OR CAMERA BODY



Quick Setup (continued):

4. Enter your Purchase Email and Order Number to add your cameras to your Barn Owl HQ account and click Lookup. **Note: For in-store purchases, skip this step, and scan the QR code on your camera or camera packaging after registration.**
5. Select and name the cameras you would like to activate.

A screenshot of a mobile app screen titled "Find Purchase" under the "BARN OWL HQ" logo. The screen prompts the user to "Enter the purchase order number from your confirmation email to find and activate your cameras." It features two input fields: "Email Used for Purchase" and "Purchase Order Number", each with a question mark icon to its right. At the bottom, there are two buttons: "Skip for Now" and "Lookup".

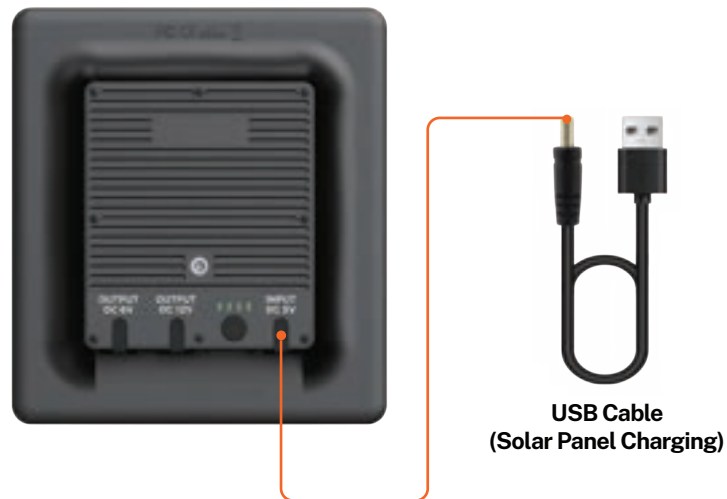
NOTE: If your cameras are not automatically added via the Purchase Email or Order number, see our Troubleshooting steps at the end of this guide.

BEFORE YOU DEPLOY

Charge Your Solar Panel

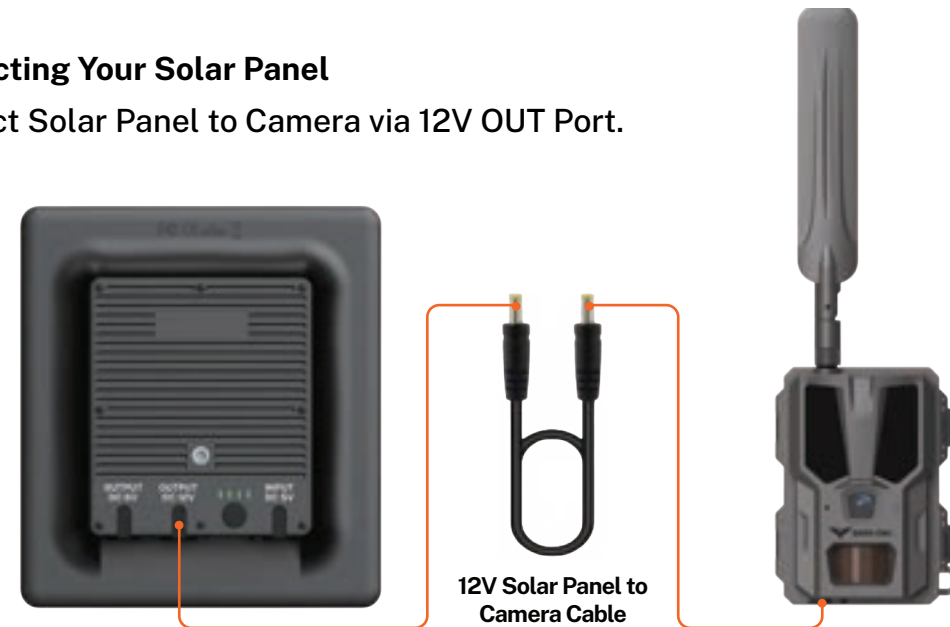
Charge for 8-10 hours with USB Cable via 5V IN Port.

Note: The included power adapter is for powering the camera through a standard wall outlet. **DO NOT** use it to charge the solar panel.



Connecting Your Solar Panel

Connect Solar Panel to Camera via 12V OUT Port.

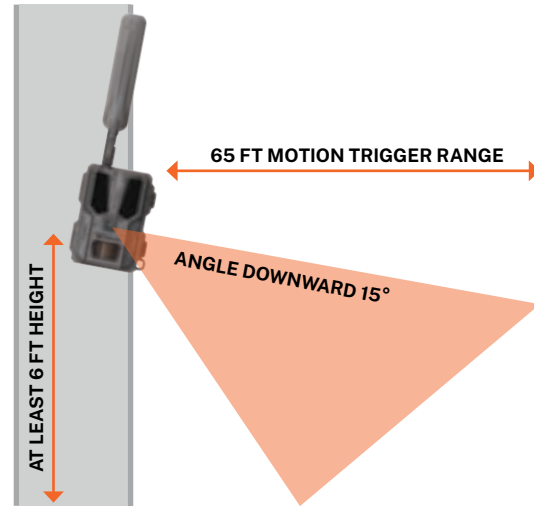


CAMERA PLACEMENT AND FIELD DEPLOYMENT

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:

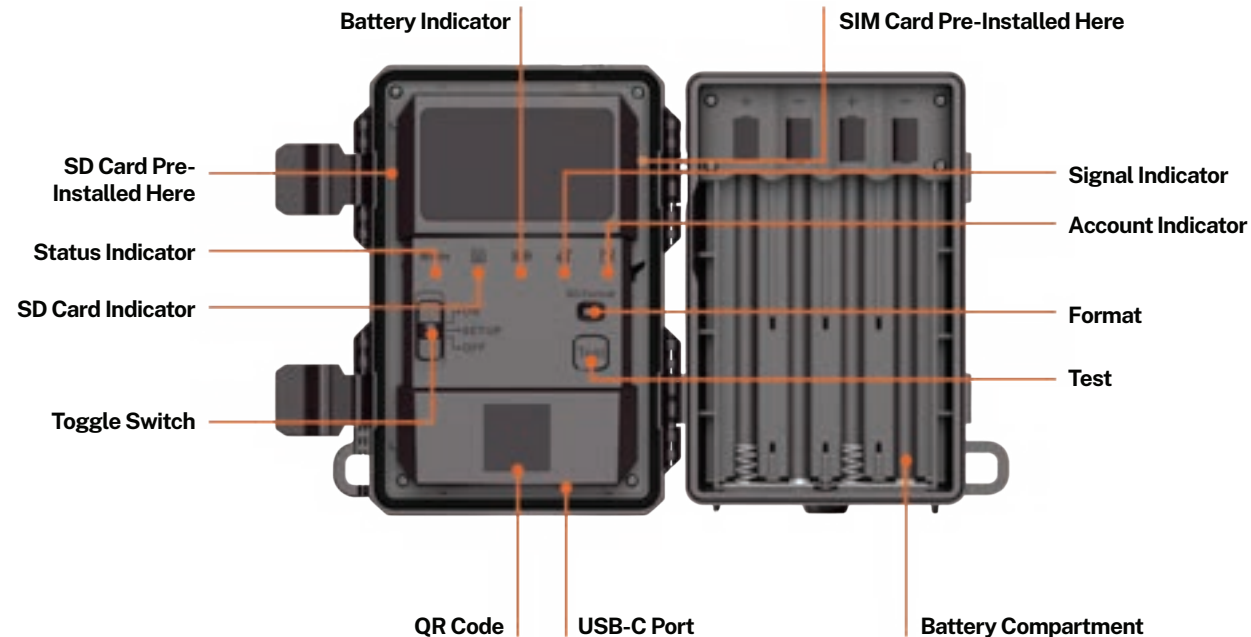
Instead of a head-on or parallel view, angle your camera towards the road at about 45 degrees. This increases the time a vehicle spends in front of the lens, giving you the best shot at capturing those license plates!



ASSEMBLE & DEPLOY

Steps:

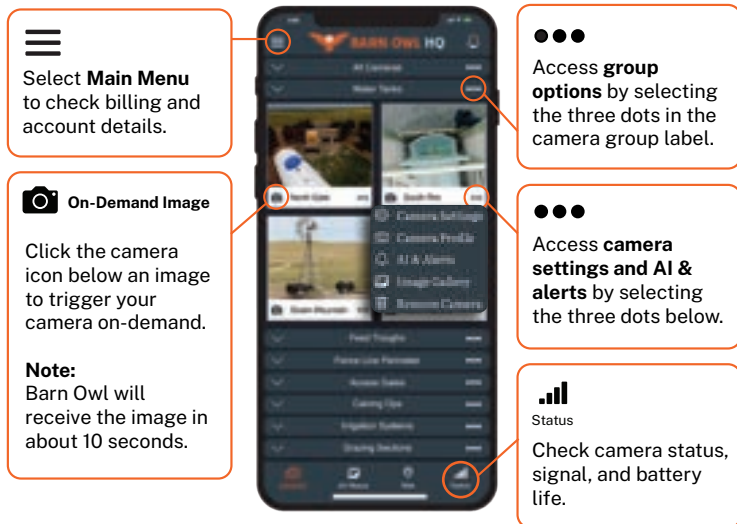
1. Attach the antenna.
2. Insert AA Batteries.
3. Set Toggle Switch to “ON”.
4. The Camera will take 1 minute to connect and begin transmitting motion triggered photos.
5. Verify that photos are transmitting to your Barn Owl HQ account. Trigger a motion photo by waving your hand in front of the lens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



BARN OWL HQ USER GUIDE

Camera Settings:

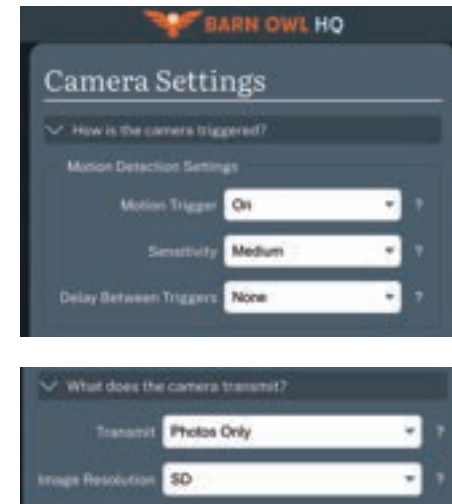
Your camera settings determine how and when photos are taken. Click the 3 dots on your camera to update settings—pictured on the right. Barn Owl cameras can capture images via motion, on a schedule, or on-demand. For the best experience, we recommend updating settings via Barn Owl HQ and not on the camera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



RECOMMENDED SETTINGS

Security

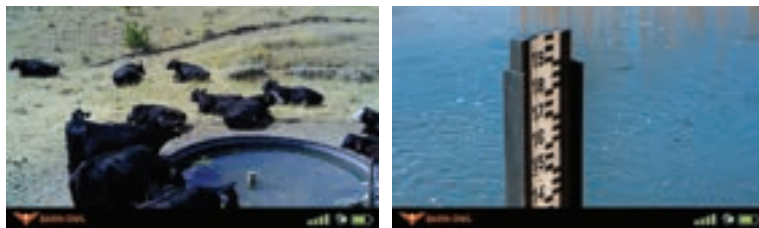
We recommend using our settings on the right for Security. The camera will trigger on motion and alert you of any activity on your location. Consider increasing the Photo Size to HD or HD+ to clearly read license plates and identify trespassers.



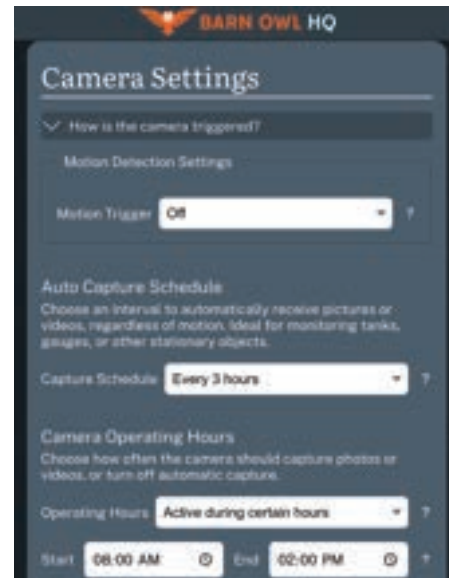
Monitoring

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

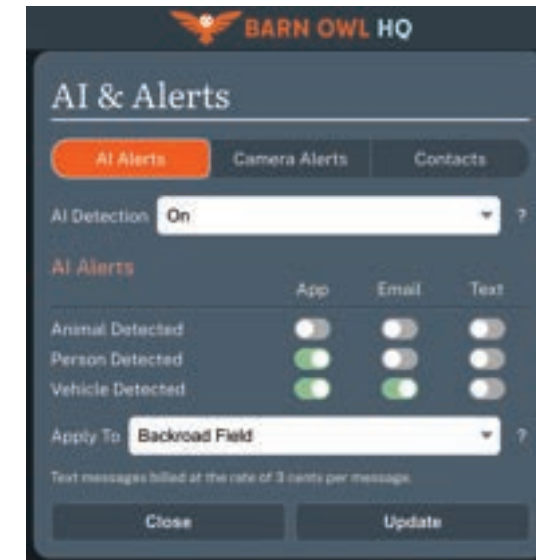


AI & Alerts

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.

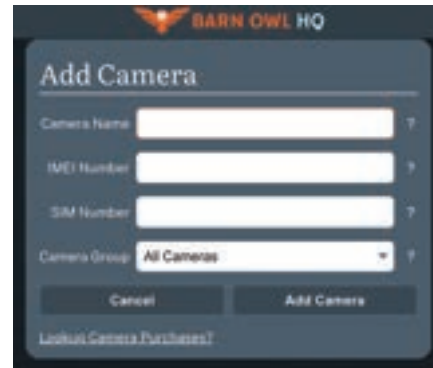


14

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 on the box or on the camera, 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 located on the QR Sticker and SIM # printed on the 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 1 minute until all indicator lights turn green.

Step 3: Press the Test button to send a test photo. The image will appear in your account in a few seconds.

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



NOTE: The Battery or 4G Signal LEDs may turn yellow or red due to low power or weak signal. The camera can still transmit with weak signal — verify image delivery in your Barn Owl HQ account.



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**