DEFENDER®

GUARD **PRO PTZ**

Quick Start Guide

ATTENTION!

For returns or support, you **MUST** contact **DefenderCameras.com/Support**

ACTIVATE YOUR WARRANTY

PROTECT
Covered for the unexpected

SUPPORT
Receive videos, tips & updates for your product

VALUE
Exclusive access to special offers

Open your camera & scan this QR code,
or visit: **DefenderCameras.com/Warranty**

NEED HELP?

DefenderCameras.com/Support

Open your camera & scan this QR code for access to the **Defender Guard PRO PTZ** Support Center

WHAT'S INCLUDED

Guard Pro PTZ Camera with pre-installed 32GB SD Card
Camera Power Supply (10 ft)
Camera Power Extension Cable (25 ft)
Ethernet Waterproof Cable Shield
Camera Mounting Hardware
Versatile Camera Mounting Bracket
Window Warning Sticker
Drilling Template
Quick Start Guide
Free Lifetime Customer Support

WHAT YOU'LL NEED

High speed internet connection and wireless router
Drill and or Phillips #2 screwdriver (Drilling template included)
3/32" drill bit for pilot holes
7/32" drill bit for wall anchors
7/8" long drill bit (Choose the right drill bit based on the surface material)
A compatible Android or iOS phone
Ethernet cable (If you'd like a wired camera setup)

IMPORTANT: The Camera Power Supply is NOT waterproof.

REGULATORY INFORMATION

FCC / IC STATEMENT This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions,may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

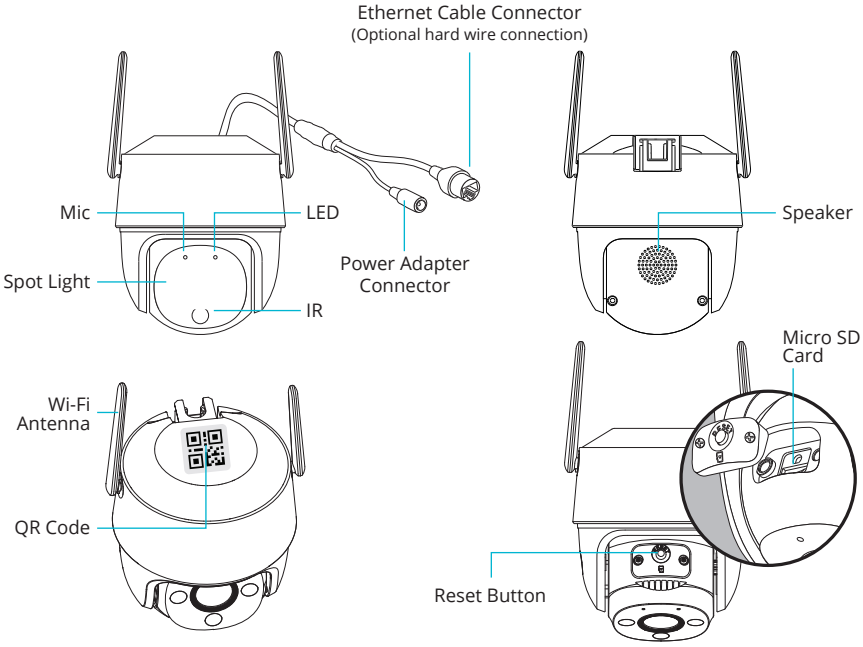
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC STATEMENT / DÉCLA RATION IC: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1)This device may not cause interference. (2)This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :(1)L'appareil ne doit pas produire de brouillage; (2)L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

FIRST, SOME LEARNING

IMPORTANT: Guard Pro PTZ Wi-Fi Camera will only work on 2.4 GHz Wi-Fi network and is not compatible with 5 GHz networks.



LET'S GET STARTED

1. Download the App

Download the **Defender Guard** app and follow the steps to create an account. An email account is required for verification.

Download on the App Store

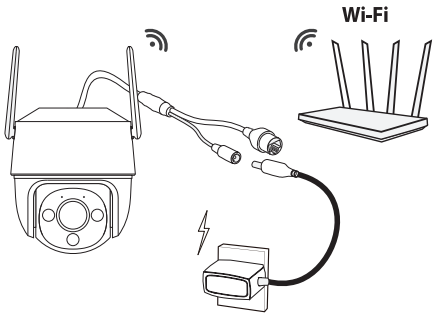
GET IT ON Google Play

2. Plug-In Your Camera to Power On

Your camera will perform a self-range check. Wait up to 60 seconds for the LED indicator light to flash green before connecting your camera to the App.

Note: *If you do not connect your camera immediately, your LED indicator light will flash red and you can still connect your camera to the App.*

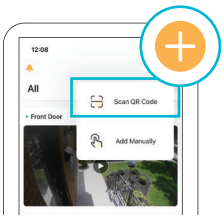
LED Status		Device Status
Green	Flashing	Ready to set up the device
	Solid	Working properly
Red	Flashing	Network disconnected
		Failed to set up the device
	Solid	Booting
		Device malfunction
Green & Red	Alternating	Updating firmware
Off	/	Power off
		LED turned off



SETTING UP YOUR CAMERA

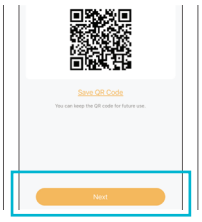
Step 1: Connect to Wi-Fi and Pair Your Camera

IMPORTANT: Before pairing, ensure your phone is connected to a 2.4 GHz Wi-Fi network



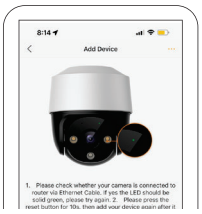
Tap **+** to add your camera, then tap **"Scan QR code".**

Note: *If your mobile device cannot scan the QR code, tap "Add Manually"*



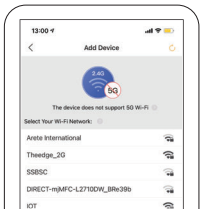
Scan the QR Code on the camera and tap **"Next"** to Proceed.

Note: *We recommend saving the QR code image in the event the QR code label on the camera gets damaged.*



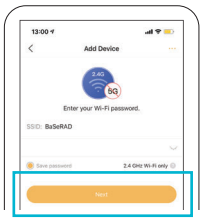
Wait for the camera LED to flash green slowly. Tap **"Next"** to proceed.

Join the camera's local network to start the pairing. Tap **"Join"** to enable the direct communication between your phone and camera.



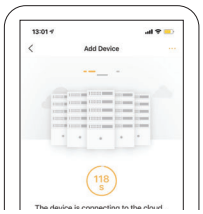
Select the Wi-Fi network you want to connect your camera with. Only available 2.4 GHz Wi-Fi networks show here.

Note: *If your Wi-Fi network is not listed here, please refresh the page.*



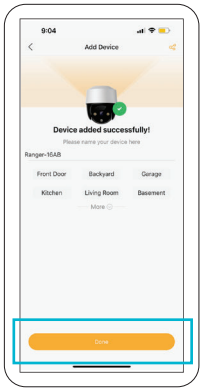
Enter your Wi-Fi Network password then tap **"Next".**

Note: *Make sure your phone is connected to the same network.*



Please wait while the device is connecting to the cloud.

Note: *All footage is saved to a Micro SD card only.*

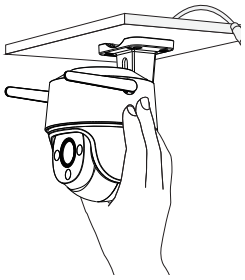


Name your device. We recommend naming your camera if you are connecting more than one camera. Tap **"Done".** Your device has now been added successfully!

Note: *Repeat these steps for each additional camera you want to connect.*

SETTING UP YOUR CAMERA

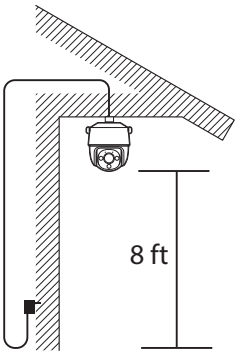
Step 2: Position and Install Your Camera



IMPORTANT: Before mounting your camera, use the App to test your Wi-Fi strength and video feed. Plug the camera in the area you'll be monitoring and view your footage to ensure you have a clear, uninterrupted view.

To check your network signal strength,
tap > Tool > Wi-Fi Detection Tool > Wi-Fi Detection

Note: *Cement walls, exterior finishes, and thick insulation can significantly affect Wi-Fi signal strength.*

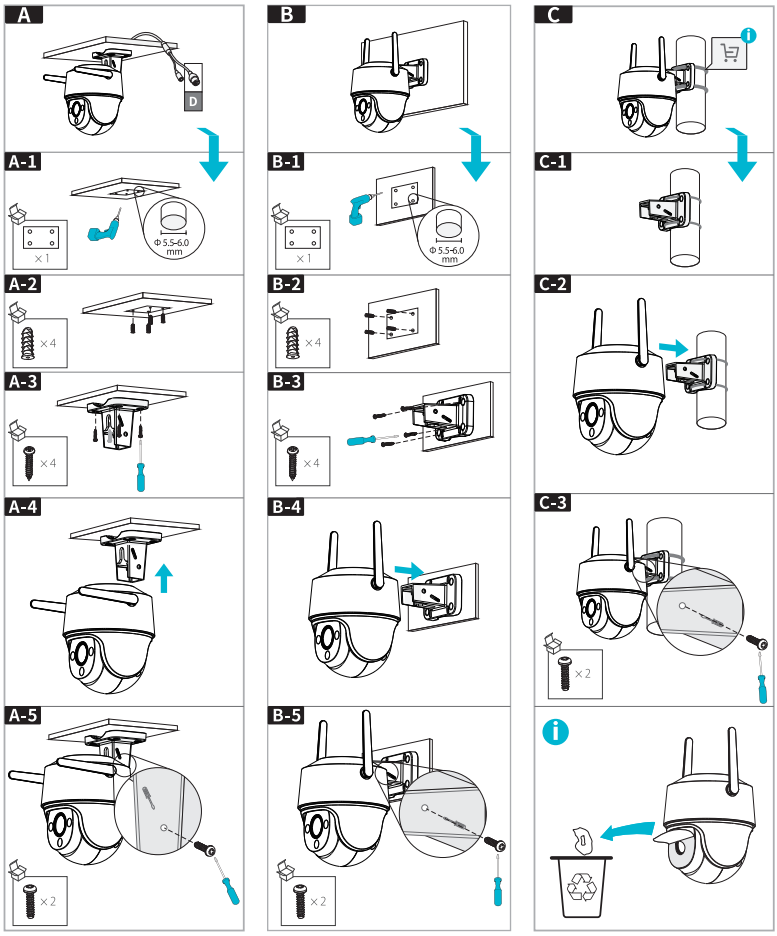


Using the recommended tools, install your camera in a preferred place, at a height where you can clearly see faces. Make sure there is a nearby power outlet.

Tip: Your camera comes with a 25ft. extension cable, giving you 35ft. to mount your camera from the power outlet.

IMPORTANT: The Camera Power Supply is NOT waterproof.

Your camera can be installed in three ways. Select your desired method to mount your camera(s) and follow the instructions provided on **page 11.**

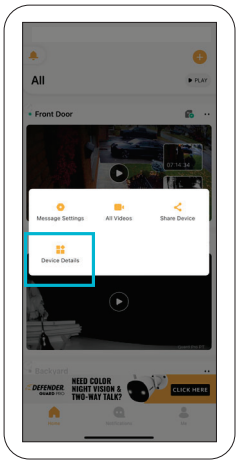

A
D
A-1
× 1
Φ 5.5-6.0 mm
A-2
× 4
A-3
× 4
A-4
A-5
× 2
B
B-1
× 1
Φ 5.5-6.0 mm
B-2
× 4
B-3
× 4
B-4
B-5
× 2
C
C-1
C-2
C-3
× 2

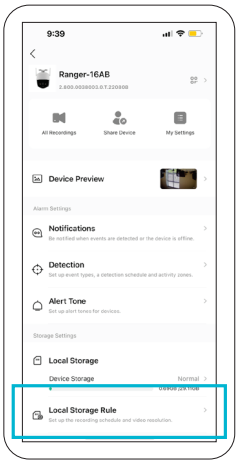
RECORDING SETUP

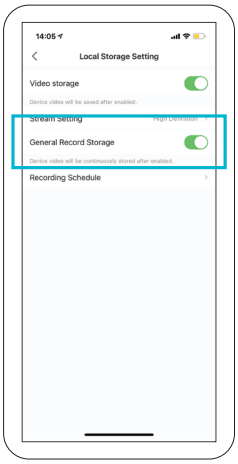
Your camera(s) default setting is to record when motion is detected. If this is your preferred setting, skip this step.

To access Continuous Recording settings, from the home screen, tap (• •), select Device Details > Local Storage Rule > General Record Storage

**Repeat for each camera.*





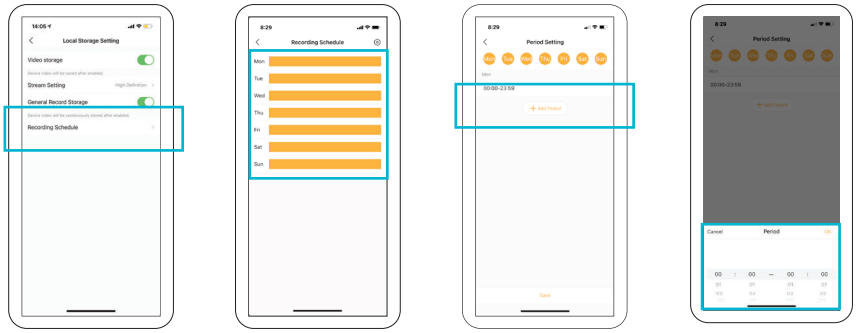


Camera will record continuously once enabled.

Note: *Once the SD card is full, the camera will continue to record by overwriting older footage.*

PERIOD SETTING

To record continuously only during specific times, select Recording Schedule > Select the day > Tap Add Period > Schedule the time. Tap **'OK'.**



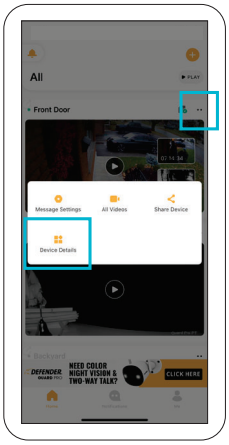
Note: *If motion detection is selected, the camera will continue to record on motion during all other periods.*

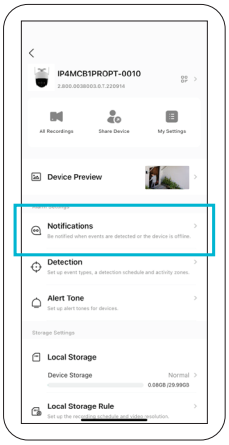
SETTING UP NOTIFICATIONS

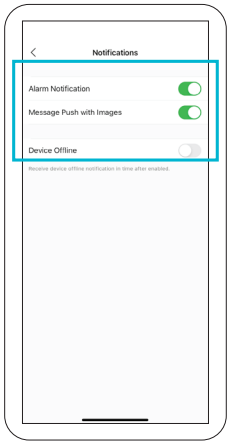
IMPORTANT: Alarm and Message Push with Images notifications are default on. If this is your preferred setting, skip this step.

To access Notifications, navigate to the home screen, tap (• •), and select Device Details. Toggle on your preferred notification.

**Repeat for each camera.*

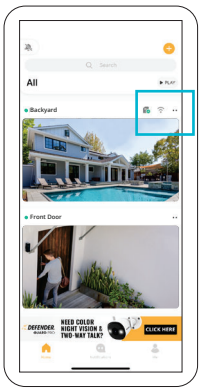


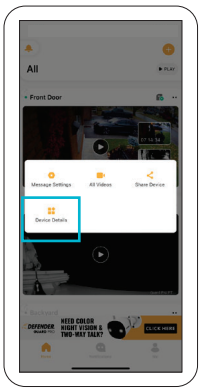


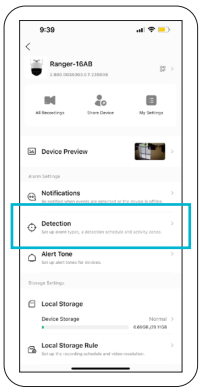


SETTING UP MOTION DETECTION

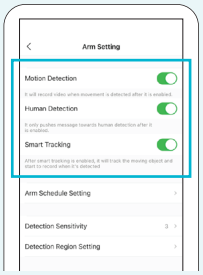
To access Detection Settings, navigate to the home screen, tap (• •), select Device Details and then Detection. **Repeat for each camera.*







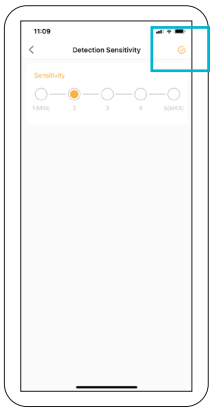
If both **Motion Detection/Smart Motion Tracking** and **Human Detection** are enabled, you will only receive the push notifications about Human activity while the motion clips will still be recorded.



Turn off Human Detection to receive notifications of both Human and Motion detections.

With Motion Detection Selected, enable Smart Tracking to track and record a moving object. Once the moving object is no longer detected, your camera will adjust back to your default point of direction.

Human detection may not be 100% accurate. To minimize false notifications, we recommend using the Detection Region Setting and avoid any trees or larger moving objects.



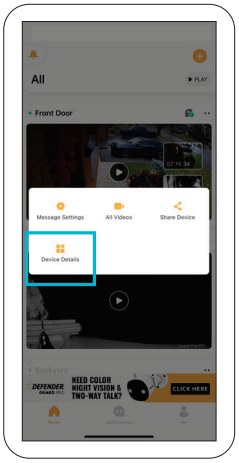
Select **Detection Sensitivity** to set your motion sensitivity level. 1 is the lowest sensitivity level, with 5 being the highest. Tap the check mark to confirm.

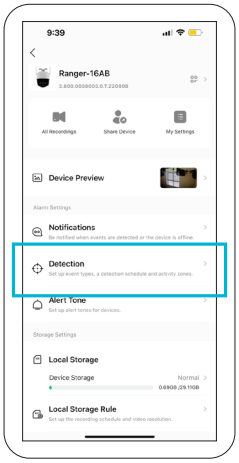
Tip: We recommend starting with level 2 or 3, as level 5 will result in significant alerts.

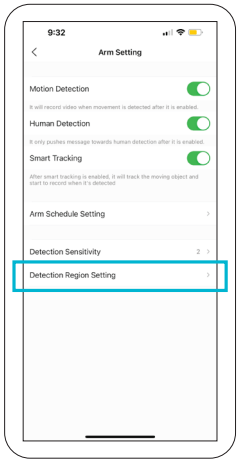
DETECTION REGION SETTING

To access Detection Region Settings, from the home screen, tap (• •), select Device Details > Detection > Detection Region Settings

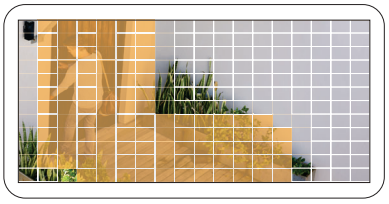
**Repeat for each camera.*







Tap (or drag) the grid to set your motion detection area. By default, regions highlighted in orange will detect motion. The grey and orange colors can be inverted by tapping the invert button.

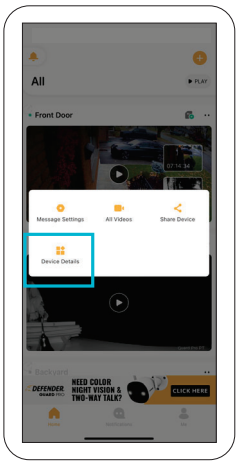


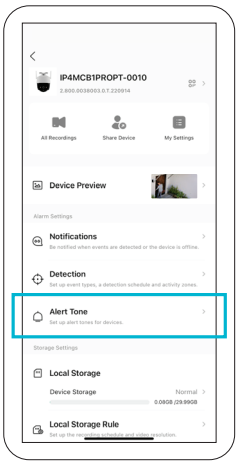
Note: *No alarm will be triggered when motion is detected in the non-motion detection areas.*

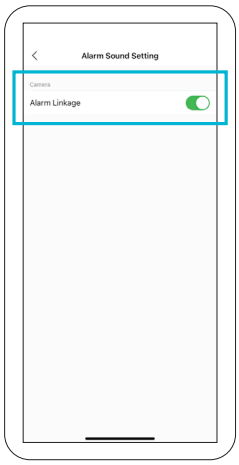
SIREN DETERRENCE (DEFAULT OFF)

To access Siren Deterrence, from the home screen, tap (• •), select Device Details > Alert Tone > Alarm Linkage to turn on/off the Siren

**Repeat for each camera.*







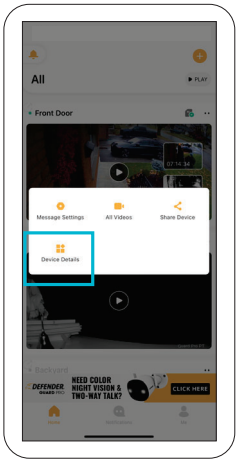
Note: *The Siren is very loud (110db) ensure no one is near the camera when enabling it.*

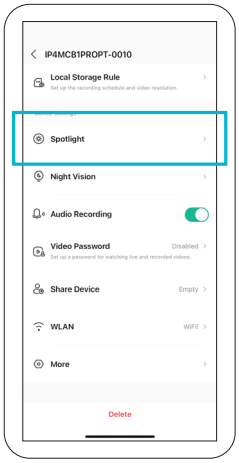
SPOTLIGHT DETERRENCE

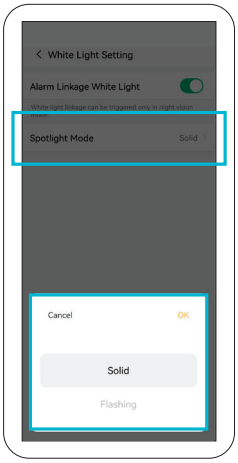
When human or motion detection is enabled, you have the option of using a flashing or solid spotlight deterrence. The spotlight will turn on for 30 seconds.

To access Spotlight Deterrence, from the home screen, tap (• •), select Device Details > Spotlight > Alarm Linkage White Light

Select your Spotlight Mode Preference, Flashing or Solid.



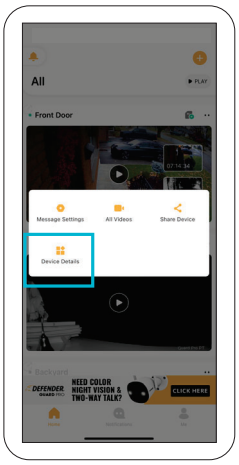


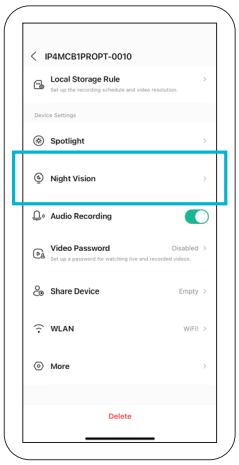


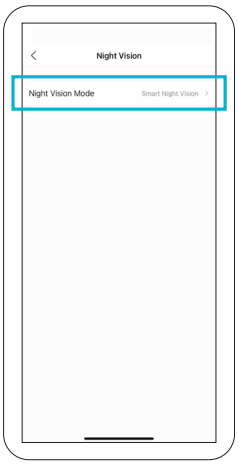
SETTING UP NIGHT VISION

To access Night Vision, from the home screen, tap (• •), select Device Details > Night Vision > Night Vision Mode

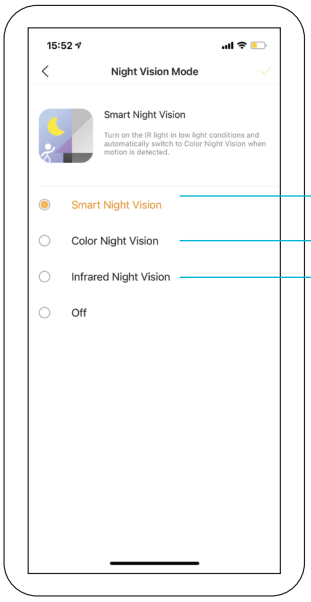
**Repeat for each camera.*







NIGHT VISION MODES



Smart Night Vision
When motion is detected, the spotlight will turn on "solid" for 30 seconds to trigger color night vision.

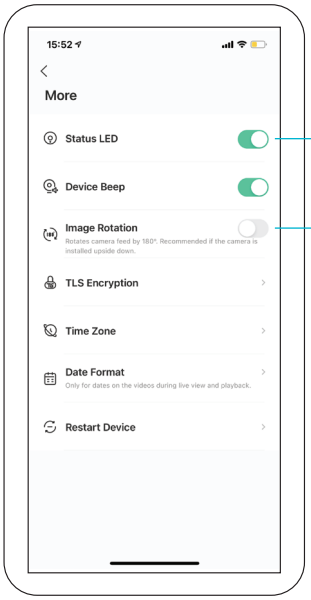
Color Night Vision
The spotlight will be on all the time in low light conditions, always recording in color.

Infrared Night Vision
The image will be in black and white.

Flashing & Solid spotlight - When "Alarm Linkage White Light" is enabled and motion is detected, the spotlight will flash or stay solid for 30 seconds, and then turn off. The spotlight type will be based on your Spotlight Deterrence Mode selected.

SETTING UP MORE

To access More, from the home screen, tap (• •), select Device Details and tap More

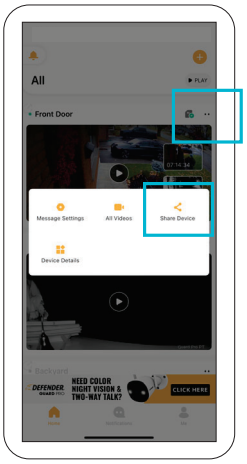


Status LED
Turn on/off the LED indicator light.

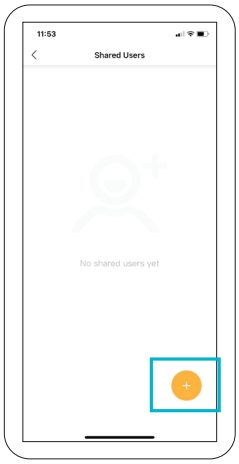
Image Rotation
Rotates camera feed by 180°. Recommended if the camera is installed upside down.

HOW TO SHARE DEVICE ACCESS

Tip: Each user will need to download the Defender Guard app and create their own account before sharing access.



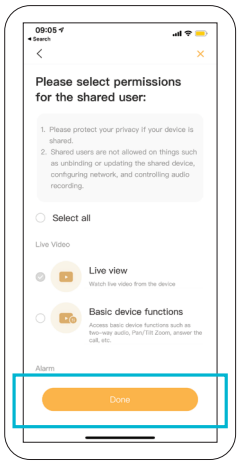
1. To access the Share Device functionality, from the home screen, tap (• •), and select Share Device.



2. Tap the **"+"** icon to add shared users.

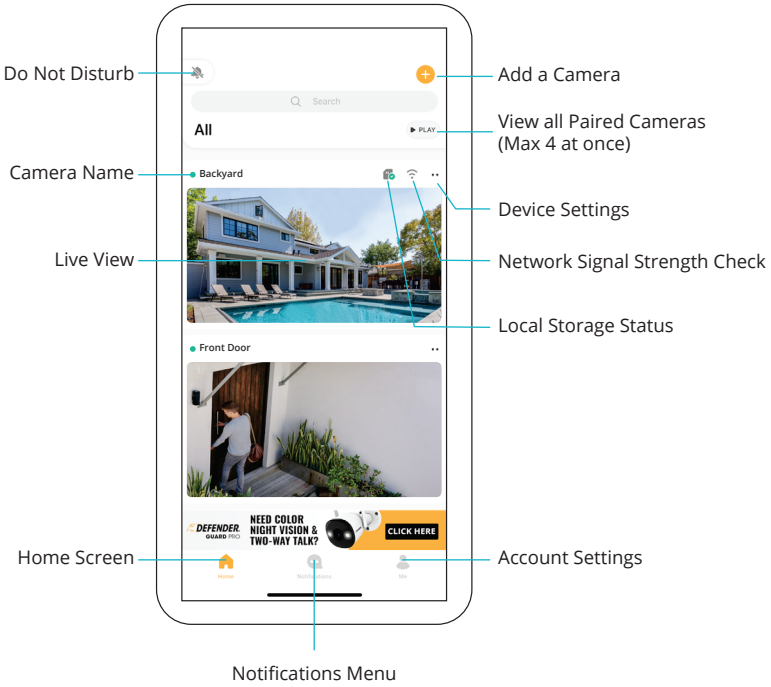
3. Enter the email of the user you want to share with and tap **"Next".**

Note: *Each user must register for their own account before a device can be shared.*

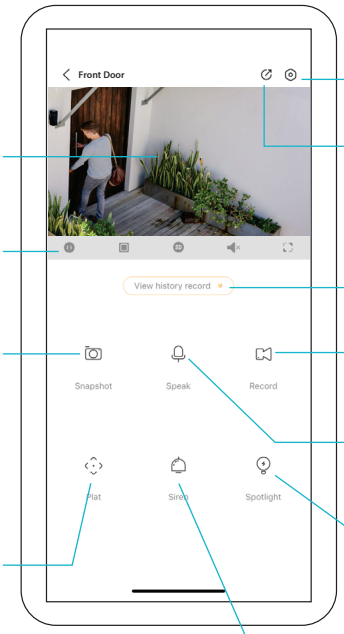


4. Select the permissions for the shared user and tap **"Done"** to complete the setup.

USING THE APP - GET TO KNOW YOUR HOME SCREEN



SEE IT ALL WITH LIVE VIEW



Device Settings

Share Device

Live Stream

Live Stream Tool Bar

View Recorded Footage

Save a snapshot to your phone/tablet

(View or Share via **Account Settings > Local Files)**

Record a video to your phone/tablet

(View or Share via **Account Settings > Local Files)**

Two-Way Talk
(Tap once to talk, and again to turn off)

Turn On/Off Spotlight

Note: *Spotlight Mode is based on your selection.*

PT (Pan & Tilt) Camera Functions

Turn On/Off Siren

Note: *The Siren is very loud (110db) use caution.*

Toggle between Live Stream Picture Quality, High Definition (HD) or Standard Definition (SD)

Pause/Play Live Stream

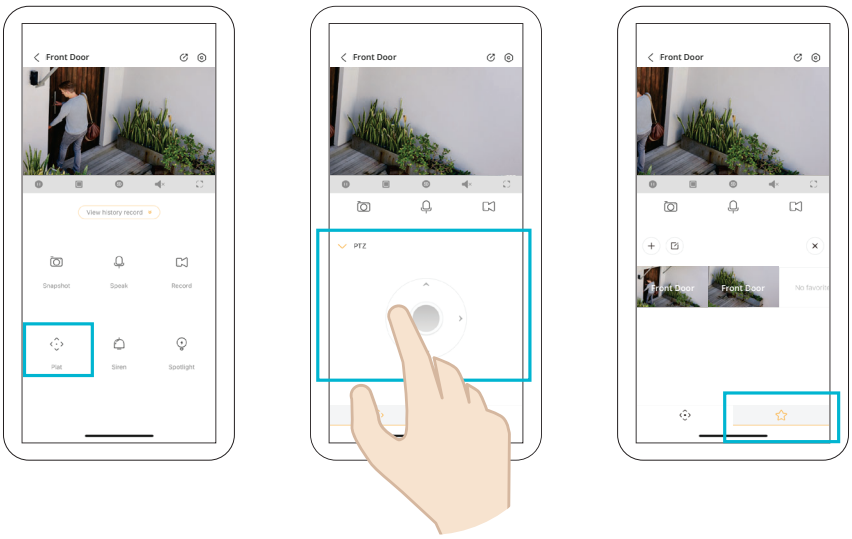
Image Orientation

Toggle between Single or Multi-Camera views

Turn On/Off Sound

PAN, TILT & ZOOM (PTZ)

From the live view tap 'Plat' and then press and hold and drag it to your desired direction.

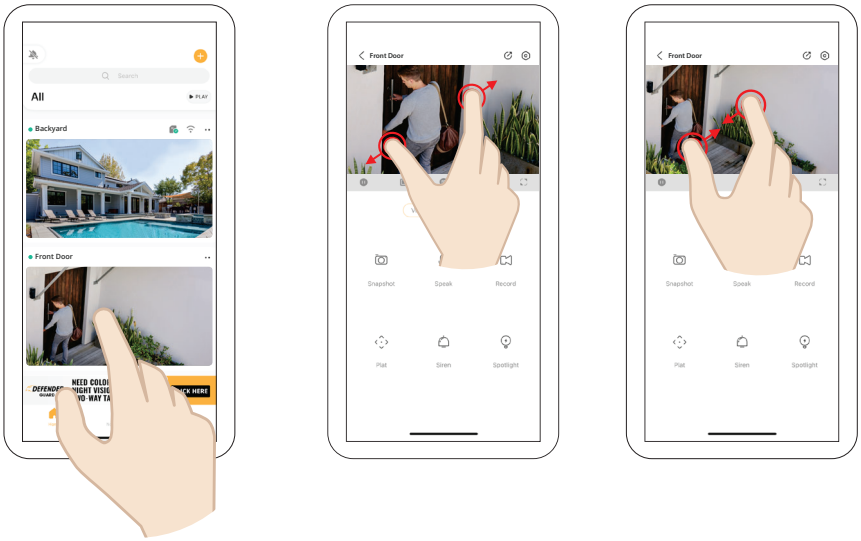


Tip: You can save a custom direction to your favorites by selecting the star and adding to favorites.

HOW TO ZOOM - OPTION 1

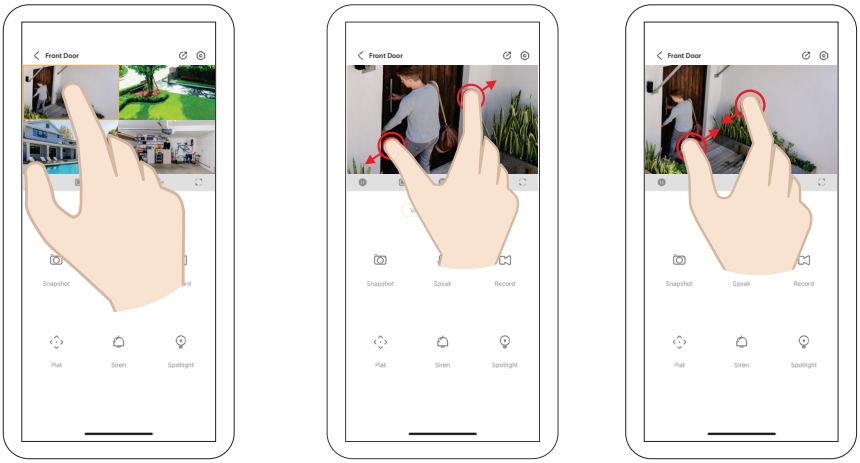
Tip: To use the digital zoom feature, you must be in a single camera viewing mode.

From the home screen, tap on the camera you wish to view to open single camera viewing mode. From here, place two fingers on the screen near each other. Spread them apart to zoom in or pinch them together to zoom out.



HOW TO ZOOM - OPTION 2

From multi-view screen, double tap on the camera you wish to view to open single camera viewing mode. From here, place two fingers on the screen near each other. Spread them apart to zoom in or pinch them together to zoom out.



FREQUENTLY ASKED QUESTIONS

How many cameras can I connect to the Defender Guard App?

You can connect a total of 16 cameras to the Defender Guard App and view up to 4 cameras at once. We recommend no more than 6 Guard/Guard Pro/Guard Pro PTZ cameras be connected in the same home/building to avoid interference issues.

Can I allow other people to view my camera(s) remotely?

You may share the Defender Guard App access with up to 5 additional users. Each user will need to download the Defender Guard App and create their own account before sharing access.

How many hours of recorded footage can the Guard Pro store?

Recording time varies depending on the size of the Micro SD card that is inserted. You can receive up to 288 hours of uninterrupted video recording to your SD card. Once your card is full, older footage will be overwritten to ensure you never stop recording. The Guard Pro SD memory can be expanded up to 256GB.

32GB = 36 Hrs 64GB = 72 Hrs 128GB = 144 Hrs 256GB = 288 Hrs

Is Guard Pro PTZ compatible with any Defender Camera system?

Guard Pro PTZ is only compatible with the Defender Guard & Guard Pro camera. It can not be used with any other Defender Camera system. Guard/Guard Pro/Guard Pro PTZ cameras use the Defender Guard App.

Can I View my Live or Recorded Footage from a Web Browser?

We do not offer web viewing. You can view the footage from the free Defender Guard app with compatible IOS/Android smart phones/tablets. Alternatively, you may export the footage from the SD card onto a personal computer using a compatible SD card reader.

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