



INSTRUCTION **MANUAL**

REVEALCELLCAM.COM



REVEAL APP DOWNLOAD



DOWNLOAD THE
TACTACAM REVEAL APP
VISIT YOUR APP STORE TO DOWNLOAD



GET IT ON
Google Play



Download on the
App Store



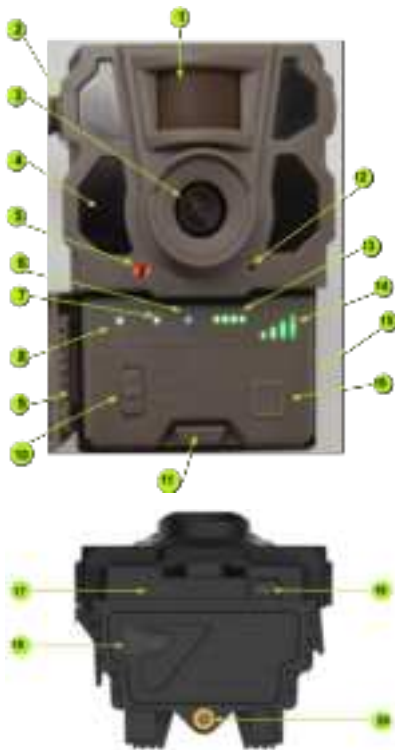
SUPPORT 218-282-5650

TABLE OF CONTENTS

TABLE OF CONTENTS	3
INTRODUCTION	4
Front View	4
Bottom View of Camera	4
Internal and Side View of Camera	4
QUICK START	6
What is in the Box?	6
Get Camera and App Ready	6
Add Camera to the App Account	6
Start Using the Reveal	7
CAMERA SETTINGS	8
SPECIFICATION	11
TROUBLESHOOTING	12
Photos Do Not Capture the Subject of Interest	12
Camera Stops Taking Images or Won't Take Images	12
Night Vision Flash Range Doesn't Meet Expectations	12
WARRANTY	13

INTRODUCTION

- 1 PIR Motion Sensor
- 2 Antenna
- 3 Lens
- 4 IR LEDs
- 5 Camera Working Status Indicator (Red)
- 6 WiFi Indicator Light (Blue)
- 7 SD Card Indicator (Red/Green)
- 8 Device Status Indicator Light (Green/Blue)
- 9 SIM Slot (DO NOT REMOVE)
- 10 Power Switch (ON/SETUP/OFF)
- 11 Battery Eject Button
- 12 Microphone
- 13 Battery Level Indicator
- 14 4G Signal Indicator
- 15 SD Card Slot
- 16 Test Button
- 17 Reset Button
- 18 External Battery In/DC Port
- 19 USB Port
- 20 Tripod/Mount Attachment



QUICK START GUIDE

WHAT IS IN THE BOX?

- (1) Trail Camera
- (1) Instruction Manual
- (1) Mounting Strap
- (1) Antenna
- (1) Pre-Installed SIM Card
(DO NOT REMOVE)

WHAT YOU WILL NEED

- 12 AA Batteries
- SD Card - Class 10, U3, 16GB-32GB
- Recommended Brands: Tactacam, Lexar, SanDisk
(Other brands of lower end SD cards are incompatible with the Reveal X and will yield unexpected results)

RECOMMENDED CAMERA ACCESSORIES (NOT INCLUDED)



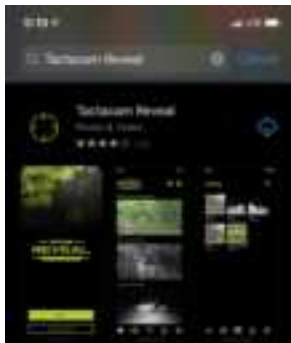
**SOLAR
PANEL**



VIEW AND PURCHASE ALL ACCESSORIES AT REVEALCELLCAM.COM

DOWNLOADING THE APP

1. Search “Tactacam Reveal” in the App Store or Google Play. Download and install the app on your smart device.



SETTING UP THE CAMERA

1. Install camera's antenna.
 - Tighten securely to prevent internal moisture/condensation inside the lens.
2. Install a Class 10 U3 SD card (16GB or 32GB).
 - Recommended brands are: SanDisk, Lexar and Tactacam
3. Install 12 AA batteries.
 - To install the batteries, press the EJECT button on the Reveal X. Be sure to install the batteries in the correct orientation on the front and back of the tray.
 - See battery details on page 13 under Best Practices.

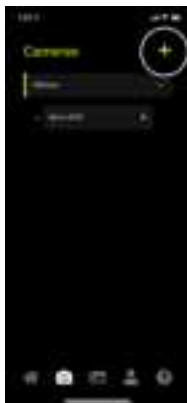


SETTING UP THE CAMERA (CONTINUED)

4. **DO NOT REMOVE** the SIM Card that is Pre-installed in the Reveal X
5. Turn the power switch to SETUP
 - Check the indicator LED status lights; you will see all green when the camera is ready. Only the WiFi indicator light will be blue.
 - If the SD card indicator light is not green, the SD card is bad and needs to be changed. Be sure to always use a formatted SD card.
 - Next to the SD indicator light is the WiFi indicator light. This will be slowly flashing blue, meaning it is in pairing mode.
 - Default camera WiFi SSID is Reveal_****
 - Default camera WiFi password is Reveal2021

ADD CAMERA TO THE APP

1. Open the Reveal App.
2. Click the camera icon at the bottom of the screen.
3. Click the (+) in the upper right corner to select a data plan and add your first camera.
4. Select the data plan for your camera and enter your payment information.
5. Follow the prompts to connect your camera.



ADD CAMERA TO THE APP (CONTINUED)

- Two ways to activate your camera
 - **Scanning the QR Code**
 - QR code will be inside the door of the camera
 - **Pair over WiFi Connection**
 - Does not require your phone or camera to be hooked up to your home or work WiFi
 - The camera will pair to your phone using a WiFi connection, similar to linking devices via Bluetooth
 - Follow the prompts on your phone to connect to your camera WiFi
 - This will activate the SIM card and data plan
6. After your camera is activated, you will see the signal status indicator searching, and then connect showing the signal strength.
7. You can automatically change and apply the camera settings when your phone is connected to the camera's WiFi. This will not work unless you are next to the camera.
- You can also remotely change the camera settings from the App, it will take up to 24 hours for settings to be applied.

SENDING A TEST PICTURE

1. Allow the camera to connect to 4G signal. The LED signal indicator light will be constant green.
 - After your camera is activated, you will see the signal status indicator searching, and then connect showing the signal strength.

SENDING A TEST PICTURE (CONTINUED)

- After the camera has connected, push the test button to send a photograph.
 - You will see the status light blinking as the image is sending.
 - When the test picture sends successfully, the status light will turn green.
 - If the status light turns red there may have been an issue trying to send the test photo. This is usually caused by signal strength.
2. Refer to the app to be sure the picture is successfully sent.
 3. While your camera is connected to your phone with WiFi, you will be able to access a live preview to help with camera setup and proper placement.

LEAVING YOUR CAMERA IN THE FIELD

1. While your camera is connected to your phone with WiFi, you will be able to access a live preview to help with camera setup and proper placement.
2. Ensure that the antenna is securely tightened.
3. Wipe down the seal, removing any dirt or debris.
4. Format your SD card in the App.
5. As long as your phone picks up a signal, be sure a motion detected picture is sent to your phone via the App.

SETTINGS / SPECIFICATIONS

Camera Mode	Photo; Photo+Video
Day/Night Mode	Daytime: Color, Nighttime: B+W
IR Range	96+ Feet
PIR Angle	45*
Flash	4 Infrared High Power LED bulbs; 850nm-High Power IR LED
Operating Keys (2)	1x Power slide switch; 1x Test button
Lens	F=6mm; F/No=2.0; FOV=60* Auto IR-Cut-Remove (at night)
SD Card	Class 10, U3, 16GB-32GB, minimum 90mb/sec
SD Indicator	1 LED; Green=Good, 1 Red = Bad
Battery Indicator	4 LED Lights
4G Signal Indicator	4 LED Lights, Red= no service
WiFi Indicator	1 LED Light; Blinking blue=pairing mode / Solid blue=paired
Picture Size	8MP/12MP/24MP; Default 8MP
Picture Format	JPEG
Multishot	Optional
Video	Optional
Trigger Speed	0.5 seconds
SD Card Loop	Optional

SETTINGS / SPECIFICATIONS

Operation Power	9-12V
Battery	12xAA Cartridge Optional external power source (12V external battery pack or solar panel) - Recommended 3000mAh - Barrel plug reducer size 4x1.7mm
External DC	12V-2A
Transfer Picture via 4G	High, detailed thumbnail images sent to app
Request HD Photo via 4G	Only in supported locations
Upload Frequency/Send Type	Instantly (Timely) / 12 hours/ 24 hours
4G Communication	LTE wireless
4G Antenna	1 Antenna Module
Device Serial No.	Yes
Interface	LTE, WiFi, USB, and SD Card
Mounting	Strap; Tripod
Operating Temperature	-25°C to 60°C -13°F to 140°F
Operation Humidity	5% to 90%
Waterproof rating	IP66
Dimensions	3.62"x4.13"x5.47"
Weight	About 0.95lb
Certification	FCC RoHS

MOTION SENSORS (PIR SENSORS)

Motion sensors (PIR sensors) are actually heat and motion sensors. This is why on a hot and windy day, people get false triggers. People and animals are not the only objects that will trigger your camera; vegetation and precipitation can act as a moving target as well.

1. Be sure to clear any low hanging tree branches, brush, and weeds from the field of view, 5-10 yards in front of the camera.
2. Motion sensitivity recommendations:
 - Set to High to start, and decrease sensitivity if you're getting too many false triggers.

PROPER CAMERA PLACEMENT

1. Location and placement are critical for best camera performance.
2. Avoid hanging the camera on small trees that are prone to moving with the wind.
3. Place the camera about waist height (3.5-4 feet) on the tree or post.
4. Use small sticks to adjust the angle of the camera, about 7 to 15 degrees pointing down
5. To achieve the best lighting conditions, face your camera north. Always avoid facing your camera toward the sun.
6. If the camera is placed too high on a tree and angled down, the field of view "window" becomes much smaller, so this is only a good plan if you have a spot they are going to come to like mineral or a scrape.

7. On a food plot:
 - Camera height and angle is critical to get the widest field of view. Do not place camera up too high.
8. On a trail:
 - Usually you will be getting faster moving deer, as they move from food sources and bedding areas.
 - Double check that you are using the proper SD card to achieve that fastest trigger speed.

BATTERIES AND CELLULAR TRAIL CAMERA PERFORMANCE

1. Use the recommended batteries for the Reveal:
 - Energizer Lithium ion Batteries
 - Duracell Max Alkaline Batteries
 - Rayovac UltraPro Alkaline Batteries
2. In cold weather, use lithium ion batteries for best camera speed and performance. In temperate climates below freezing, alkaline batteries will lose 60% of their useful life.
3. Expected picture count with the proper batteries (in greater than freezing temps) are:
 - Lithium: 4000+ pictures
 - Alkaline: 2500+ pictures
4. Always good and beneficial to pair a good battery with the Tactacam Lithium Solar Panel.

CAMERA STOPS TAKING IMAGES OR WON'T TAKE IMAGES

1. Please make sure that the SD card is not full. If the SD card is full, the camera will stop taking images. Users can turn on SD Loop to avoid such problems.
2. Make sure that alkaline or NiMH-AA batteries have enough power for the camera to work.
3. Make sure that the camera power switch is in the "On" position and not in the "Off" or "Setup" mode.
4. Format the SD card with the camera before using or when the camera stops taking images.

NIGHT VISION FLASH RANGE DOESN'T MEET EXPECTATION

1. Please check to make sure that batteries are fully charged
2. "Max Range" offers better IR flash range. Given IR flash range values are based on max range setting; so please adjust Night Mode to Max Range for better night vision flash range
3. High quality 1.2V NiMH rechargeable AA batteries can also offer improved IR flash range. Alkaline batteries cannot deliver enough wattage to power the illuminator consistently at night.
4. Certain surroundings (like trees, walls, ground, etc.) within flash range can deliver you better night time images; to improve night images do not aim camera in an open field where there is nothing to reflect the IR flash back; its like shining a flashlight into the sky at night, you can't see anything.

INTERNAL CONDENSATION ON LENS

The Reveal is IP66 rated waterproof. This means the camera is water resistant against powerful jets. The only way the Reveal can get condensation in or behind the lens is if the antenna is not screwed in all the way, or if there is dirt or debris on the seal. Follow these at home instructions to alleviate this issue if need be:

- Pull the SD card out and let the camera sit for 3-4 days open, in an area where there is circulating air (fan or vent).
- You can also put in a sealed container with rice for 24 hours to draw out the moisture.
- Clean the seal well and tighten your antenna.
- Place back out in the field.

TO HELP PREVENT THEFT OR DAMAGE

Use a protective security box such as the one listed at www.revealcellcam.com



IF THE CAMERA HAS ACCIDENTALLY BEEN SUBMERGED IN WATER

1. Do not open the camera right away.
2. Be sure to dry the outer housing of the camera, preventing water from entering the inside of the camera and causing internal damage.

LIMITED WARRANTY

HOW LONG DOES THIS COVERAGE LAST?

1. One year from the date of purchase.
2. Be sure to register your Reveal under warranty at [**www.tactacam.com/warranty**](http://www.tactacam.com/warranty)

WHAT IS COVERED?

1. This limited warranty covers: manufacturer defects in materials and workmanship including but not limited to:
 - Defective buttons
 - Cracked/chipped glass lens
 - Broken SD card or SIM card spring mechanism
 - Broken USB port
2. Covered cameras will either be repaired by a certified camera technician, or replaced.

WHAT IS NOT COVERED?

1. This limited warranty does not cover any damage caused by the owner modifying, attempting to fix, or otherwise altering the product.
2. This limited warranty excludes damage caused by people or animals, including but not limited to: antenna, strap, Fresnel lens, glass lens, or camera housing.
 - If damage is caused to the camera by the owner or animal, contact customer support for repair options to retain warranty coverage.



FCC Part 15

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (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 receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radiation Exposure Statement

To comply with FCC RF exposure compliance requirements, this grant is applicable to only mobile configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

**DO NOT RETURN
THIS PRODUCT TO
YOUR RETAILER**

PLEASE CALL
218-282-5650

OR

EMAIL

SUPPORT@REVEALCELLCAM.COM

for any warranty issues or help
filming your hunts with the Reveal X.

110 N Sunset Blvd, Caledonia, MN 55921
www.revealcellcam.com



710 N SUNSET BLVD. CALEDONIA, MN 55921
SUPPORT@REVEALCELLCAM.COM | 218-382-6650
WWW.REVEALCELLCAM.COM

© 2021 REVEAL CELLULAR CAMERA BY TACTACAM™