



Yellowstone.ai 4G LTE Trail Camera User Manual

100° and 52° Lens Models

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Welcome to the Yellowstone.ai family.

We sincerely appreciate you buying a Yellowstone.ai camera and we hope you enjoy it. At Yellowstone.ai we strive to build cameras and software that are supremely user-friendly and reliable, but we know there is always room for improvement. The user experience remains at the heart of everything we do, and we welcome feedback on how we can improve.

Sincerely,

The Yellowstone.ai Team
support@yellowstone.ai
(970) 821-8525



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1. Activation Guide

For a full video, please visit <https://yellowstone.ai/support>

1.1 Create a Yellowstone.ai Command Center Account

1. Visit my.yellowstone.ai (or download the Yellowstone.ai Command Center app)
2. Login or create a new account

1.2 Activate Camera

1. Locate the camera's ICCID – This is a 20-digit number printed inside the camera
2. In your Command Center, follow prompts to add/activate a camera
3. Name your camera
4. Enter the ICCID (from step 1)
5. Enter payment information
6. (Optional) After activating your camera, set App Notifications and/or email Notifications on the Camera's tab of your app

1.3 Prepare Camera

1. Open the camera case by flipping the latch on the side of the camera



2. Insert 12 AA batteries to fill the entire battery compartment. Batteries must be new and all the same type.
3. Screw your antennas into each of the two antenna ports





1.4 Connect to the Network

1. Underneath the LCD screen, flip the switch to 'SETUP'
2. Your camera's screen should turn on and display the camera's view
 - a. If the screen does not turn on and you are using new, fully-charged batteries, then something is awry, please call us.
3. While the camera is searching for signal and synching with the server, you will see 'Searching...' or 'GPS Searching...' in the top left of the screen. This process may take 3 minutes to complete. If your camera displays 'No Signal' and you've activated a data plan at my.yellowstone.ai, then turn the camera off for ten seconds, then up to setup mode to initiate a new search for signal. You may need to do this up to five times. After five tries, call us for help.

1.5 Receive Your First Image

1. After your camera connects to a cellular network, it will be ready to take and send pictures to your phone/computer.
2. To send a test picture, press the 'OK' button while the camera is in 'SETUP' mode and connected to the network. Your camera will display "Sending..." then "Send Succeed." Refresh the media/images tab on your Yellowstone.ai Command Center account to verify that your picture has been sent.

If you are having issues sending or viewing pictures, please visit

<https://yellowstone.ai/troubleshooting> or call us.

2. What's in the Box

Camera



2x 4G Antennas



4G LTE SIM Card



SD Card

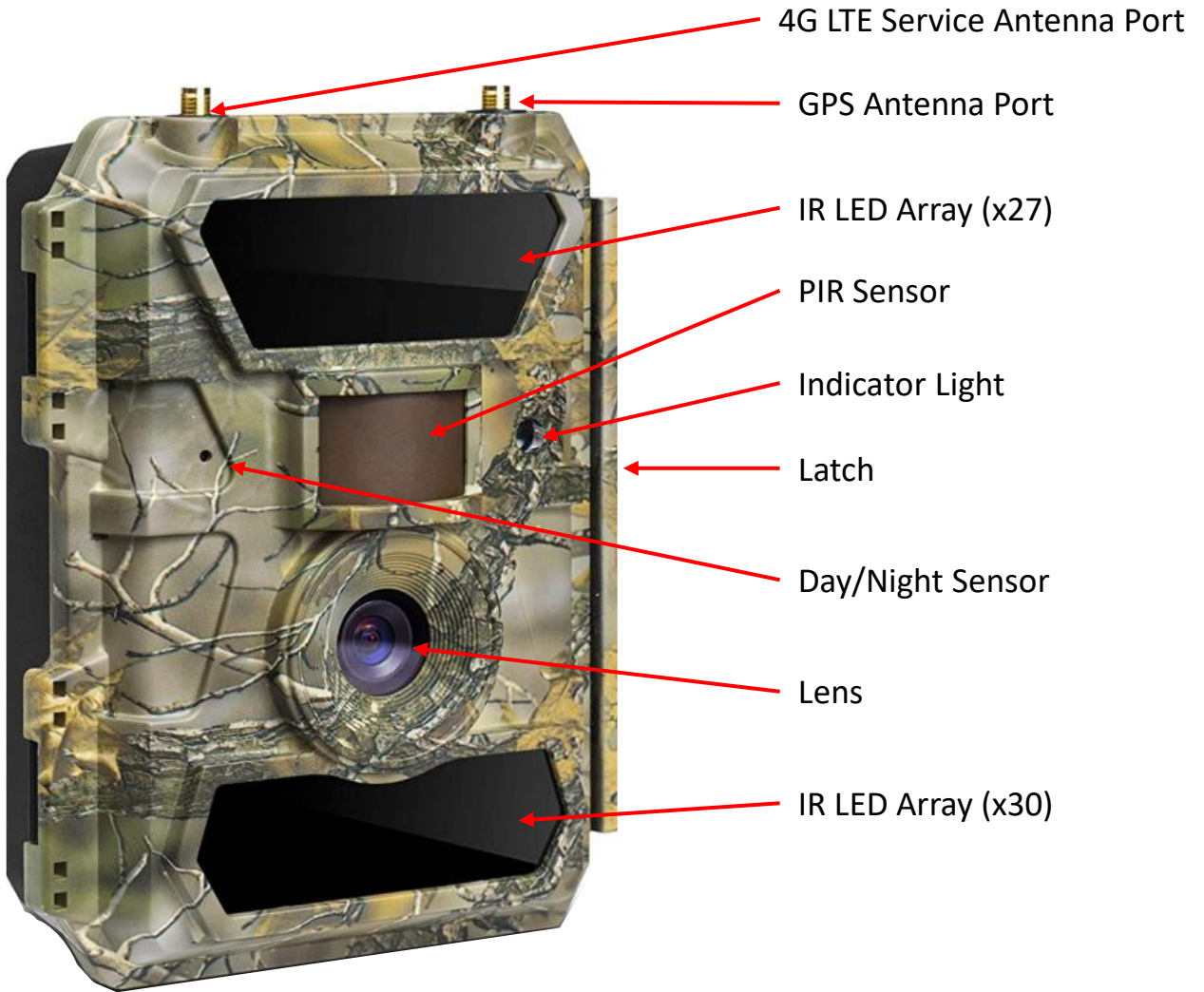


Mounting Strap



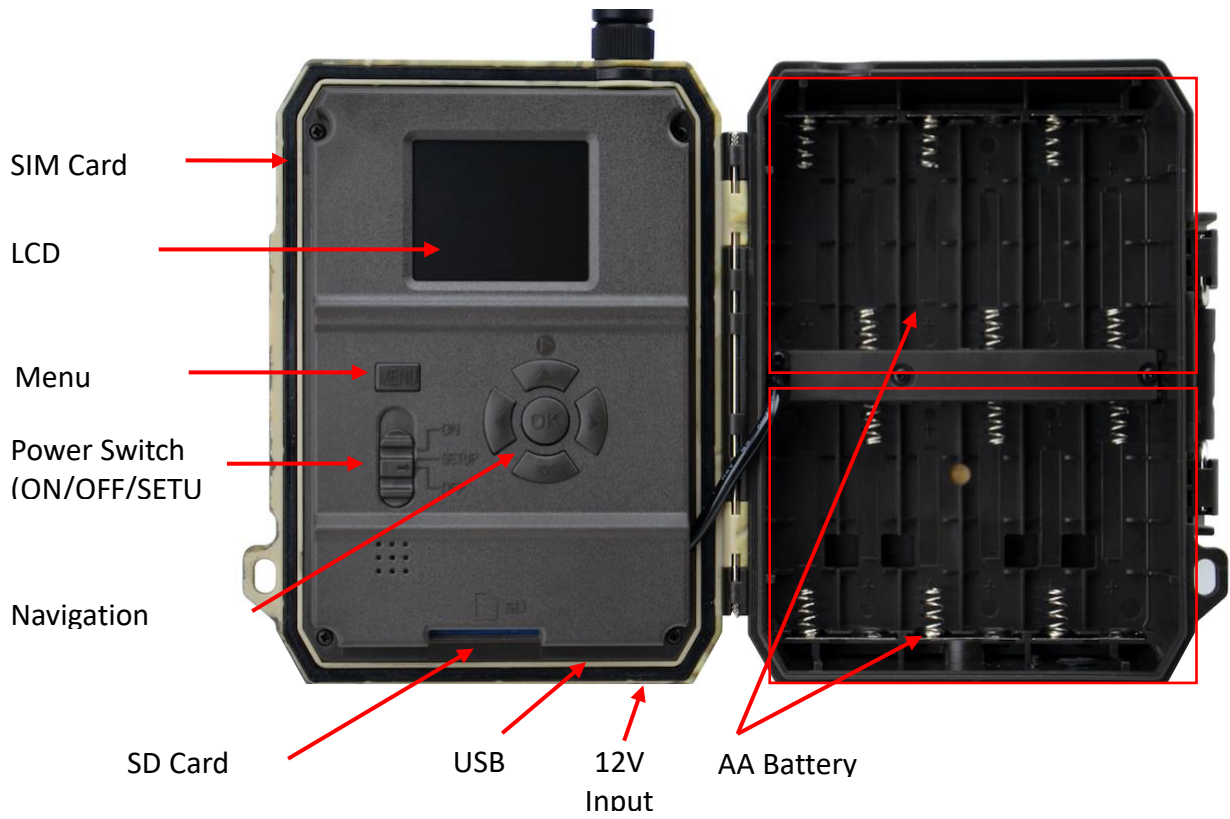
3. Getting to Know Your Camera

3.1 Front View



3.2 Inside View

To open camera, flip the latch on the side of the camera





4. SD Card and Image Storage

4.1 General Information

- The SD slot of the camera has a maximum capacity of 32 GB (larger SD cards use a different file transfer protocol, which will not function with your camera)
- Before inserting or removing the memory card, the camera must be switched to "OFF"
 - Failing to do so may cause loss of pictures & videos and damage the camera and memory card
- When the SD card is full, the viewing screen shows "Memory Full"

Note: By default, your camera will delete the oldest images when your SD card fills up, in order to continuously make room for new images. For more information, please visit the camera settings and optimization section of our website.

4.2 Formatting Your SD Card

Warning: Formatting your SD card will result in a loss of all data on the card.

Note: SD card must be formatted as FAT32. All cameras ship with a SD card that is pre-formatted correctly.

There are three ways to format your SD card:

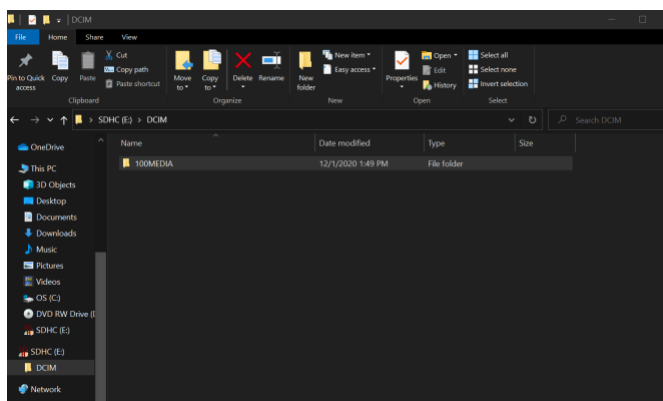
Option 1: With the SD card inserted in your camera

1. Switch camera to setup mode
2. Press the up arrow to access images
3. Press menu to access SD card options
4. Format > Yes > Yes

Option 2: Insert SD card into the SD port on your computer

1. Locate the SD card among your files
2. Right click on the SD Card and select Format
3. Ensure FAT32 is selected

Option 3: Connect Camera to computer via USB cable
(same steps as #2 above)





4.3 Viewing Images or Videos

On Your Computer

1. Insert SD card into computer or connect camera to computer via USB cord
2. Access the DCIM folder within the SD card

Windows

- a. Use windows explorer to find the name of your SD card (or camera)
- b. Click the associated icon to display the contents of the SD card
- c. Open the 'DCIM' folder, then 'MEDIA' folder

Mac

- a. Find the mounted icon on your desktop (or in Finder) with the name of your SD card (or camera)
- b. Click the associated icon to display the contents of the SD card
- c. Open the 'DCIM' folder, then 'MEDIA' folder

On Your Camera (with SD card inserted)

1. Switch camera to 'SETUP' mode
2. Press the up arrow to access images
3. Use arrow buttons to cycle through the images

4.4 Deleting Images or Videos

By default, your camera will be set to delete the oldest pictures on the card to make room for new pictures when space is needed. Your pictures will be saved in the cloud when they are sent to your Yellowstone.ai Command Center, and will be viewable (in the quality by which they are sent) even after they are deleted from the SD Card.

Formatting

Formatting your SD card ([see 4.2](#)) will delete all images and videos on the card

On Your Computer

While viewing images on your computer ([see 4.3](#)), you can delete or transfer pictures from the SD card as you view them

On Your Camera

1. While viewing images on your camera ([see 4.3](#))
2. Press the 'MENU' button
3. Select the 'Del' option by pressing the 'OK' button ('Del' should be selected by default)
4. Choose to delete either the currently viewed picture ('One') or all pictures on the SD card ('All')



5. Camera Settings

For a full video walkthrough about adjusting your camera's settings, please visit the [support section](#) of our website.

5.1 Adjusting Your Settings

To adjust your camera's settings

1. Open the case by flipping the latch on the side
2. Flip the switch to 'SETUP'
3. Click the 'MENU' button to open the settings menu
4. Use the arrows to navigate within the header (Cam, PIR, 4G, Other)
5. Use the arrow buttons to navigate the menu to the setting you want to change
6. Click 'OK' button to see the different options for that setting
7. Use the arrow buttons to select the setting you want to change to
8. Press 'OK' button to select that setting OR press the 'MENU' button to return to the main settings menu
 - a. We've categorized settings in four buckets: Cam, PIR (sensor), 4G, and Other





5.2 Settings (Cam)

| Field | Options | Purpose | Optimizing |
|------------------|-----------------------------------|---|--|
| Cam Mode | Photo/Video/Both | Media type(s) that you want captured and stored to your SD card. Sending options are covered below in 4G section Note: Each media type you want to send (in 4G section) must be enabled here as well. | - |
| Flash | All/Part | Brightness of IR LED flash | We recommend setting to All if subject(s) of interest are typically more than 10 yards from the camera |
| Image Resolution | 12M, 8M, 5M (Megapixels) | Image resolution that will be stored on your SD card | - |
| Night Mode | Max.Range/Balanced/Min.Blur | Night image exposure time | We recommend: Max.Range if subject(s) of interest will be in bait or wallows and greater than 15 yards from your camera Min.Blur for short range shots and travel corridors Balanced for all othe situations |
| Multi-Shot | 1P/2P/3P/4P/5P | Number of consecutive pictures taken when your camera is triggered (1-second intervals) | - |
| Video Resolution | FHD-1080P/ HD-720P/SD (WVGA 480P) | Video resolution that will be stored on your SD card | - |
| Video Length | 5-59(seconds) | Length of video taken when triggered | - |



5.3 Settings (PIR)

| Field | Options | Purpose | Optimizing |
|---------------------------|------------------------|---|---|
| PIR Sensor | ON/OFF | Enable/disable infrared motion sensor | ON - Motion will trigger camera OFF - Camera will not look for motion, and only trigger according to time-lapse (below) |
| Sensitivity | High/Middle/Low | Motion threshold that triggers your camera | We recommend High to start; then changing to Low or Middle if your camera is taking too many pictures without desired subjects |
| PIR Delay | ON/OFF (HH:MM:SS) | Minimum delay between successive motion triggers. After a motion trigger, camera won't look for subsequent motion during the delay period) | We recommend OFF for most environments, but a short delay might be optimal if your camera is over a bait pile and you're getting too many photos of the same deer. |
| Time Lapse | ON/OFF (HH:MM:SS) | Frequency of pictures taken in a timelapse setting (e.g. 00:30:00 would trigger a picture automatically every 30 minutes, regardless of motion) | We recommend ON if you're monitoring an asset like a construction project. |
| On Timer1 (Limited Hours) | ON/OFF (HH:MM - HH:MM) | Allows your camera to take pictures only during certain times of day. | We recommend ON if you would only like pictures from a specific window of time during the day. This is commonly used for security and monitoring applications |
| On Timer2 (Limited Hours) | ON/OFF (HH:MM - HH:MM) | Allows your camera to take pictures only during certain times of day. | We recommend ON if you would only like pictures from a specific window of time during the day. |



5.4 Settings (4G)

| Field | Options | Purpose | Optimizing |
|---------------------|---|---|---|
| Send Pic/Video | Photo (ON/OFF) and Video (ON/OFF) | Which types of media your camera will wirelessly transmit. Note: Media type must also be enabled in Cam->Cam Mode to send (i.e. - to send video, video must be on in this setting and in Cam > Cam Mode) | To reduce data costs, some customers capture images and videos, but only send images wirelessly. They then check their sd card to view the videos. If sending videos wirelessly, we recommend sending SD resolution and 5-seconds |
| Send Pic Resolution | Low, Med, High | Image file size that gets transmitted wirelessly. Medium- and High-Resolution image transfer will use more wireless data, more battery, and increase recovery time for follow-up pictures. If cell coverage is weak, Medium- and High- Resolution pics might fail to send | Most customers use Low to reduce data costs, Then view higher resolution images on their SD card. Low-Resolution Images use ~80KB (\$0.01 under our usage-based data plan). Sending Med-Res and High-Res wirelessly will use ~5x and ~15-40x more data, respectively |
| Send Multishot | (Options will vary between 1 and 5 pictures based on "Multishot" selected in Cam section) | Which multishot images you want sent wirelessly. | Varies based on your environment and goals for your camera. Feel free to call us for advice. |
| Max Num/Day | 0-99 or Unlimited | Maximum number of pictures per day that your camera will transmit wirelessly | Can be used to limit your daily data usage and lower total cost of data |
| Web Ctrl | Daily/Instant | Controls how frequently your camera will look for settings updates or Quick Pic requests | We recommend Daily; Instant will consume significantly more battery |
| GPS | OFF/ON | Image coordinates | We recommend keeping this ON |

5.5 Settings (Other)

| Field | Options | Purpose | Optimizing |
|-----------|--------------------|---|--|
| Language | [Multiple Options] | Language of your camera's menus | - |
| Date/Time | Auto/Manual | Date and time of your camera - used for timers and timestamps on photos | We recommend Auto - the camera will sync with a time server via it's cellular connection If Auto doesn't work, you'll need to use Manual |
| SD Cycle | OFF/ON | If ON, Camera will automatically delete the oldest photos or videos when your fills up, in order to make room for new ones | - |
| Password | OFF/ON | Password for the device to prevent unauthorized changes | - |
| FW Update | Yes/No | For use in conjunction with a firmware download from www.Yellowstone.ai/firmware | - |
| Reset | - | Resets camera to factory settings | - |



5.6 Memory

This table can be used to optimize your camera’s photo and video settings according to your SD card size and your specific use case.

| <div>SD Size</div> <div>Capacity</div> | 4 GB | 8 GB | 16 GB | 32 GB |
|--|---------|---------|----------|----------|
| Photo (pictures) | | | | |
| 5MP | 3350 | 6935 | 13210 | 27920 |
| 8 MP | 2048 | 4205 | 8070 | 17061 |
| 12 MP | 1310 | 2701 | 5190 | 10965 |
| Video (hours) | | | | |
| 640x480 | 4:01:48 | 8:20:44 | 16:05:45 | 33:56:02 |
| HD | 2:50:42 | 5:52:35 | 11:38:43 | 24:09:16 |
| FHD | 1:58:31 | 4:27:27 | 8:30:21 | 18:04:52 |



6. Camera Specifications

| | |
|--|---|
| Image Sensor | 5 Megapixel Color CMOS |
| Effective Pixels | 2560x1920 |
| Day/Night Mode | Yes |
| IR range | 65 feet |
| IR Flash | 940nm invisible flash - 57 LEDs |
| Memory | SD Card (4GB – 32GB) |
| Field of View | 52° for standard lens; 100° for wide lens |
| LCD Screen | 2" |
| PIR distance | 65 feet |
| Picture size | 5MP/8MP/12MP = 2560x1920/3264x2448/4032x3024 |
| Picture Format | JPEG |
| Video resolution | FHD (1920x1080), HD (1280x720), SD (WVGA - 848x480) |
| Video Format | MOV |
| Video Length | 05-10 sec. programmable for wireless transmission |
| | 05-59 sec. programmable for no wireless transmission |
| Picture size for wireless transmission | 640x480/ 1920x1440/ Original (5MP/ 8MP or 12MP) |
| Multi-Shot | 1-5 |
| Trigger Time | 0.4s |
| Image + Video | Yes |
| Time Lapse | Yes |
| SD Card cycle | ON/OFF |
| Operation Power | Battery: 9V; DC: 12V |
| Battery Type | 12AA |
| External DC | 12V |
| Stand-by Current | 0.135mA |
| Stand-by Time | 5~8 months (6xAA~12xAA) |
| Wireless Module | LTE Cat.4 module; 2G & 3G networks are also supported |
| Interface | USB/SD Card/DC Port |
| Mounting | Strap; Bracket; Tripod - industry standard 1/4 in x 20 |
| Operating Temperature | -13°F to 140°F (Camera may shut down in cold weather. If this happens manual restart will be required). |
| Storage temperature | -22°F to 158°F |
| Operation Humidity | 5%-90% |
| Dimensions | 6 in x 4 1/2 in x 3 in |
| Weight | 1 pound |
| Certification | CE FCC RoHs |



7. Mounting Your Camera

1. Mount camera between 3-4 feet off the ground; raise the camera up to as high as 8 feet off the ground if needed to avoid blowing grasses/branches.
2. Face camera north if possible - Too much sun can cause false triggers and wash out images.
3. Use high-quality batteries – For best performance and longest battery lifespan, we recommend Energizer Ultimate Lithium or Panasonic Eneloop rechargeable.
4. Mount on a sturdy tree approximately waist height
5. Tips for travel corridors
 1. Increase PIR sensitivity: PIR > Sensitivity > High
 2. Reduce exposure time: Cam > Night Mode > Min Blur
6. Avoid
 1. Branches and grass blowing
 2. Heat sources like lakes, big rocks, driveways
7. Brighten Your Night-Time Photos - Try to have trees, grass, or other objects in the background to reflect the infrared light produced by the camera to get brighter photos.
8. Stay undetected - Hang on a big tree to minimize “profile” visibility; wipe down with a field wipe after handling; and minimize how often you visit your camera
9. Make sure your SD card is formatted FAT32. All of our cameras come with a pre-installed, pre-formatted SD card. This tip only applies if you replace our SD card with one of your own.



8. Troubleshooting & Questions

Please visit <https://yellowstone.ai/support>

Or contact us at
Support@yellowstone.ai
(970) 821-8525

We are here to help!