



KL896 Ranger Cellular Trail Camera



KLARVUE KL896 Ranger Cellular Trail Camera User Guide

[Home](#) » [KLARVUE](#) » KLARVUE KL896 Ranger Cellular Trail Camera User Guide 

Contents

- [1 KLARVUE KL896 Ranger Cellular Trail Camera](#)
- [2 INSIDE THE BOX](#)
- [3 CAMERA SETUP](#)
- [4 DISPLAY ICONS & KEY CONTROLS](#)
- [5 Home](#)
- [6 HELPFUL TIPS](#)
- [7 SPECIFICATIONS](#)
- [8 TROUBLESHOOTING](#)
- [9 WARRANTY](#)
- [10 Fcc](#)
- [11 More Info](#)
- [12 FAQ](#)
- [13 Documents / Resources](#)
 - [13.1 References](#)
- [14 Related Posts](#)



KLARVUE KL896 Ranger Cellular Trail Camera



Inside the Box

- Camera
- Antenna
- Tree Strap
- SD Card
- Sticker

The camera includes several components such as the antenna, lens, IR LED, LED indicator, power button, menu, SIM card slot, display screen, SD card slot, pyroelectric infrared sensor, USB port, microphone hole, DC in jack, and latch. Ensure to load the battery properly.

Camera Setup

1. Screw on and tighten the antenna. Insert the KLARVUE SD Card.
2. Loosen the latch to open the camera, press the eject button at the bottom right of the camera. Fill tray with 12 new AA batteries.
3. Toggle the power button to "SETUP".
4. Download the "KLARVUE" app on App Store or Google Play.

5. Once downloaded, create an account and follow the in-app instructions to activate your camera.
6. Once the camera is activated, utilize the display's live view to position your camera. Then, toggle the power button to "ON".
7. The camera will now automatically take pictures or videos as per the settings, and the files will be sent directly to your APP.

PLEASE REFRAIN FROM STAYING IN "SETUP" MODE FOR TOO LONG AS IT DRAINS THE BATTERY FAST

Customer Support Email: support@klarvue.com

Camera Modes

- **OFF:** Sensors off, display off. Suitable for replacing SD card/battery, connecting device through USB, or when the camera is not in use.
- **SETUP:** Sensors off, display on. Use the display to activate the camera, view gallery, live view/aim, and change settings.
- **ON:** Sensors on, display off. Camera will automatically detect motion and capture photos or videos, as per camera settings.

Display Icons & Key Controls

The display shows image resolution, cell signal, number of photos taken, SD card status, audio recording, video resolution, available video recording time, video mode, time lapse, and battery level.

In Live View (Start-up Screen)

- Press the up arrow once to switch to video mode.
- Press the down arrow once to switch to photo mode.
- Press the left or right arrow once to take a picture.
- Press "OK" once to enter the gallery.
- Press "M" once to enter the settings menu.

In the Settings Menu

- Use the arrow keys to scroll between different settings.
- Press "OK" once to enter or confirm a setting.
- Press "M" once to return to live view or cancel a setting.

In Gallery

- Use the up-down arrows to scroll through photos and videos.
- For videos only, press the right arrow once to play or pause the video.
- Press "M" to delete a file. Confirm by pressing "OK".

Camera Settings

Home

- **Shot Mode:** Choose whether you want the camera to take photos only, videos only, or both photos and videos (takes more memory space).
- **Image Quality:** Choose the resolution for each image. A higher quality image will take more memory space.
- **Photo Burst:** Choose how many photos to capture when the camera is triggered.
- **Video Quality:** Choose the resolution for each video. A higher quality video will take more memory space.
- **Video Length:** Choose how long the camera records a single video (5s to 60s).
- **Loop Recording:** New photo/video will automatically replace the oldest file in the SD card, preventing the camera from stopping recording when SD card is full.

Camera

- **Night Mode:** Choose the flash range depending on the target you want to capture.
- **PIR Interval:** After the camera is triggered once, how long the camera waits before you want the camera to trigger again.
- **PIR Sensitivity:** Choose the camera range. Higher sensitivity allows further range of detection, but will increase the occurrence of false triggers.
- **Operating Hours:** Choose a specific timeframe for the camera to be active. Off: 24/7; On: Set up to 2 timeframes.
- **Time Lapse:** Turn on to take photos continuously under the set timeframe and time interval. When time lapse is on, PIR sensor will stop working.

Cellular

- **Cellular:** Default is on. When the cellular is off, the camera will stop receiving signals.
- **Upload Frequency:** (When Cellular is on) Choose how often photos/videos are uploaded to your phone. Higher frequency drains more battery and cellular data.
- **On Demand:** Enables the camera to take photos on demand in your APP.
- **Registration:** Display the QR code for camera activation.

System

- **Language:** Choose the system language.
- **Camera Name:** Give your camera a name to be displayed on the data stamp.
- **Password:** Set a 4-digit password to prevent others from sabotaging your camera.
- **Time Format:** Choose between the 12-hour or 24-hour time format.
- **Date/Time:** Set the date and time of the camera.
- **Date Stamp:** Choose whether to include a date stamp at the bottom of every image.
- **Format SD Card:** Erase all data in the SD card.
- **Factory Reset:** Restore all settings to the original state.
- **Version:** Display the camera's firmware version and MCU version.

Helpful Tips

General

1. To maximize battery life, limit the upload frequency to every 3 hours or longer, and a PIR interval of 10 seconds or longer. Use lithium batteries during winter.
2. Before replacing the batteries or SD card, toggle the camera to “OFF” mode.
3. When using an external power supply, make sure that the voltage is 12V.
4. DO NOT replace the pre-installed SIM card.
5. DO NOT submerge the camera in water.
6. DO NOT mix battery types or use rechargeable batteries.
7. Indicator Color:
 - **Green:** Firmware updating
 - **Red:** The camera is turned on and ready for operation
 - **Blue:** Low battery

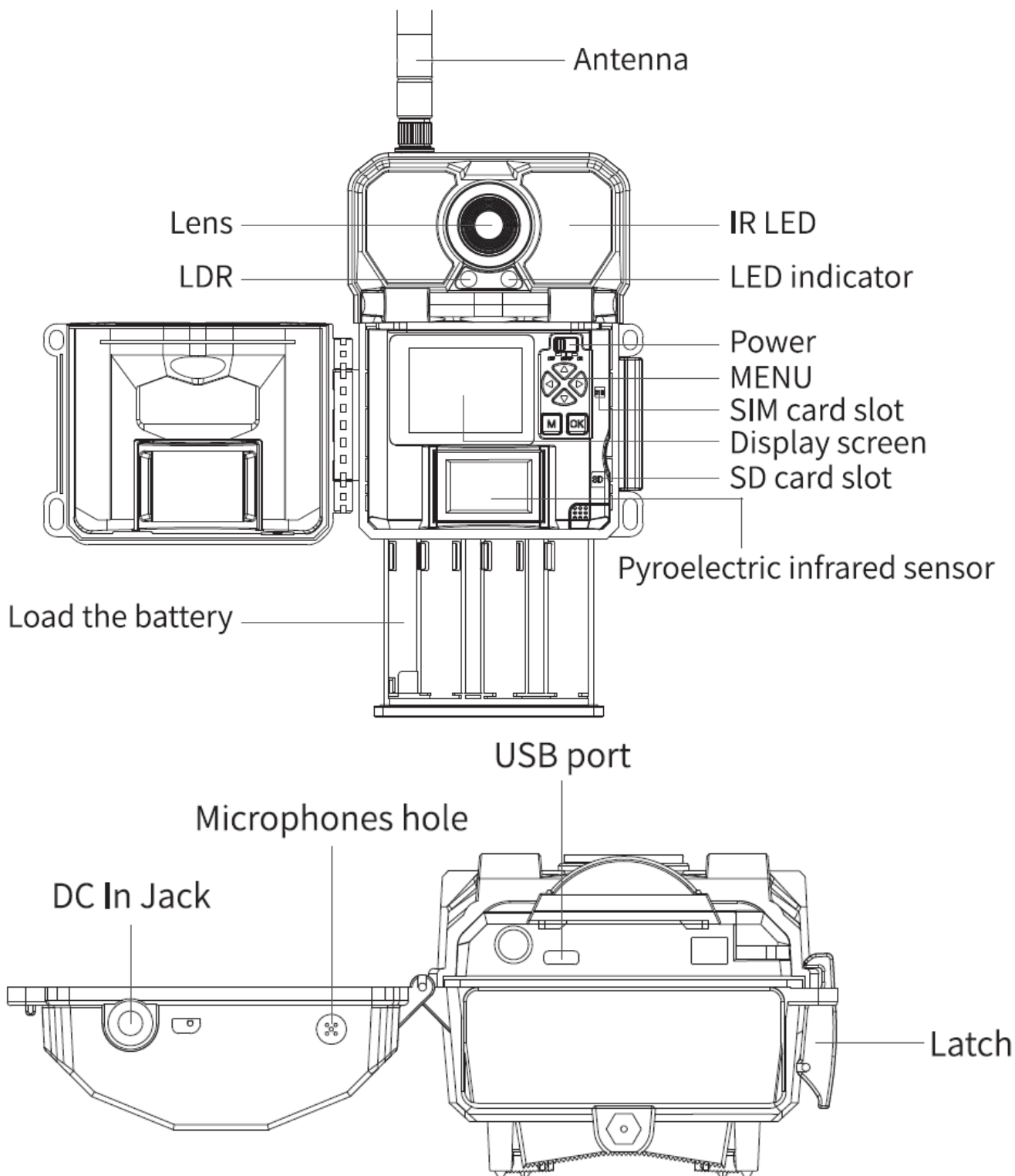
Mounting

1. Avoid mounting the camera on unstable trees or posts.
2. Avoid facing the camera toward the sun; face the camera north or south.
3. Mount the camera 3-5 feet above ground and 20-30 feet from your target.
4. Clear any brush and tree limbs in the field of view to prevent false triggering.

Recommended Accessories (purchase separately at [KLARVUE.COM](https://www.klarvue.com))

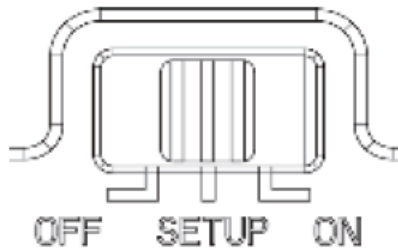
- Security Box
- Micro / Wide Lens
- 5m Antenna
- Tree Mount
- Solar panel
- Battery Pack for 18650s

INSIDE THE BOX



CAMERA SETUP

1. Screw on and tighten the antenna. Insert the KLARVUE SD Card
2. Loosen the latch to open the camera, press the eject button at the bottom right of the camera. Fill tray with 12 new AA batteries
3. Toggle the power button to "SETUP"

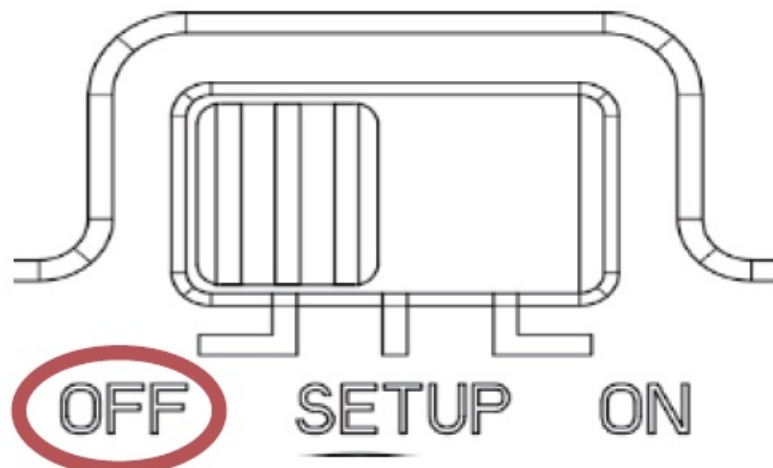


4. Download the "KLARVUE" app on App Store or Google Play
5. Once downloaded, create an account and follow the in-app instructions to activate your camera
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7. The camera will now automatically take pictures or videos as per the settings, and the files will be sent directly to your APP

PLEASE REFRAIN FROM STAYING IN "SETUP" MODE FOR TOO LONG AS IT DRAINS THE BATTERY FAST

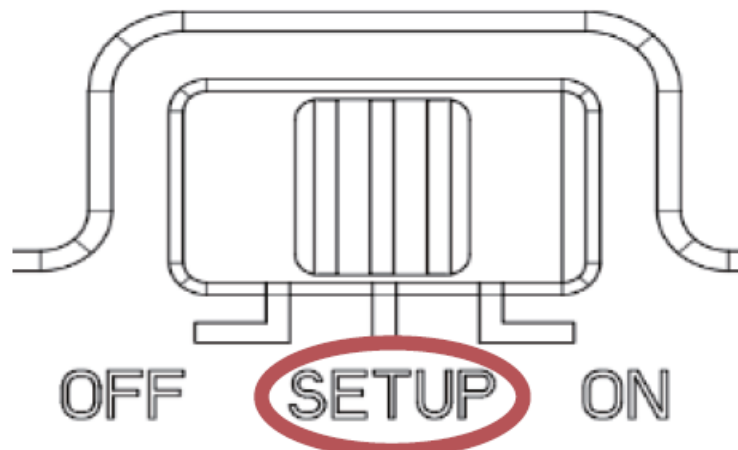
CAMERA MODES

- **Sensors off, display off Scenario:**



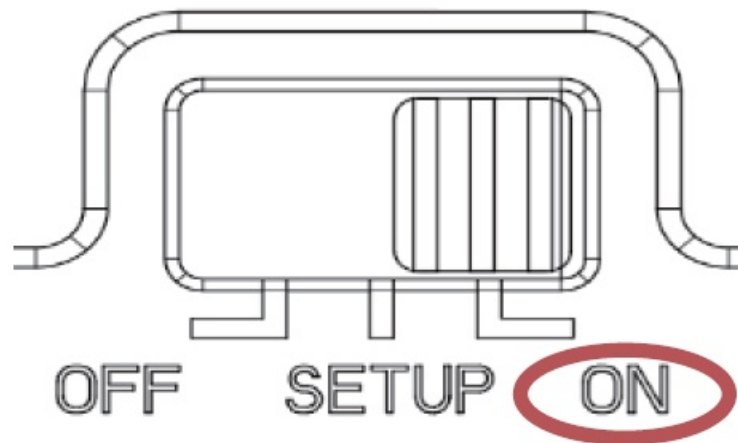
- Replace the SD card/ battery
- Connect device through USB
- Camera not in use

- **Sensors off, display on Use the display to:**



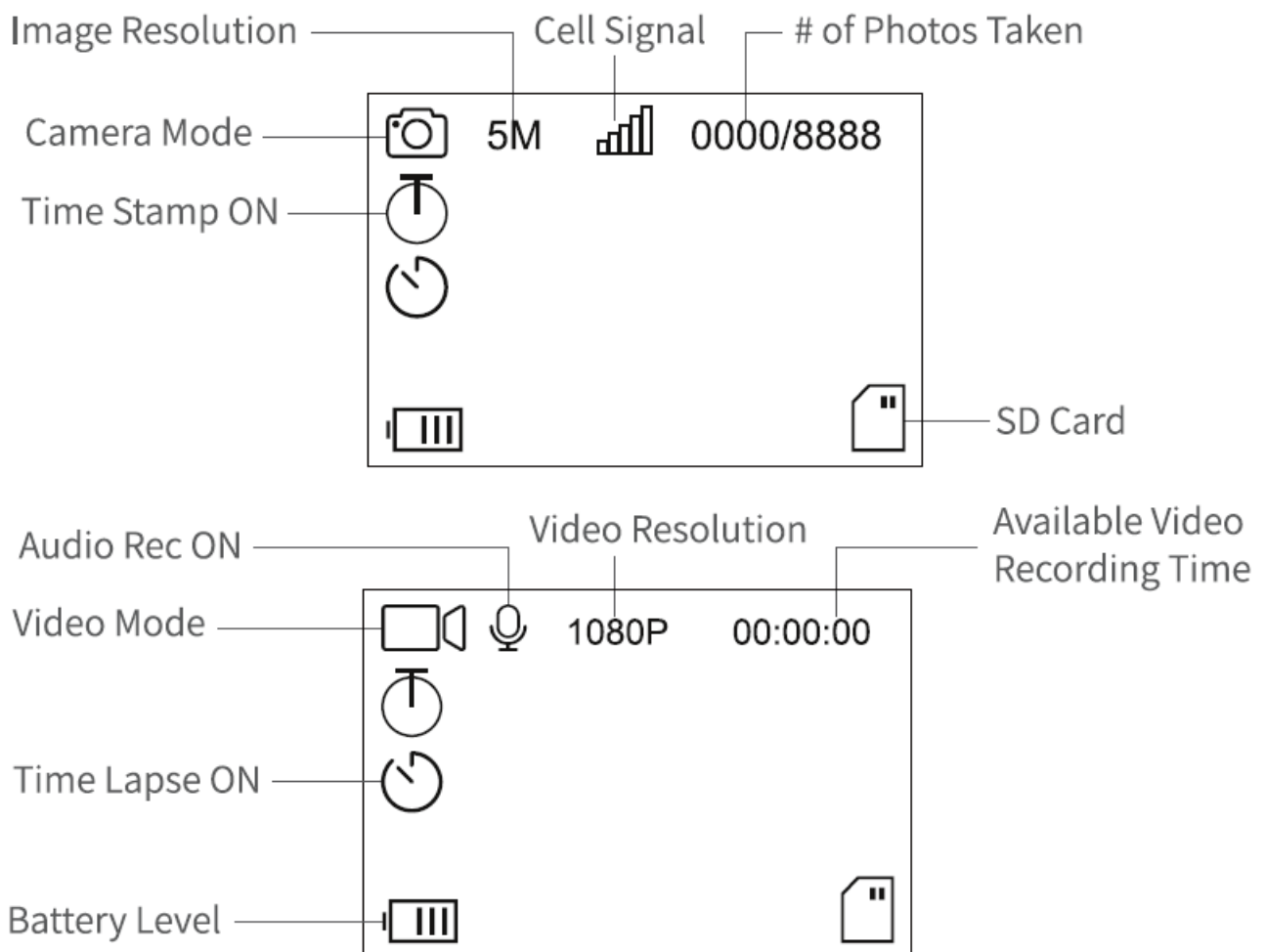
- activate camera;
- view gallery;

- Live view/ aim;
- change settings
- **Sensors on, display off. Camera will automatically**



- detect motion and capture
- photos or videos,
- as per camera settings

DISPLAY ICONS & KEY CONTROLS



IN LIVE VIEW (START-UP SCREEN)



- : press once to switch to video mode



- : press once to switch to photo mode



- : press once to take a picture



- : press once to enter the gallery



- : press once to enter the settings menu

IN SETTINGS MENU

- Use the allarrow key to scroll between different settings
- Press "OK" once to enter or confirm a setting
- Press "M" once to return to live view or cancel a setting

IN GALLERY

- Use up-down arrows to scroll through photos and videos
- For videos only, press once to play or pause the video
- Press "M" to delete a file. Confirm by pressing "OK."

Home

- Shot Mode: Choose whether you want the camera to take photos only, videos only, or both photos and videos (takes more memory space)
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- Video Length: Choose how long the camera records a single video (Ss—60.s). Loop Recording: New photo/video will automatically replace the oldest file in the SD card, preventing the camera from stopping recording when the SD card is full

Camera

- Night Mode: Choose the flash range depending on the target you want to capture PIR interval: After the camera is triggered once, how long the camera waits before you want the camera to trigger again
- PIR Sensitivity: Choose the camera range. Higher sensitivity allows a further range of detection but will increase the occurrence of false triggers
- Operating Hours: Choose a specific timeframe for the camera to be active
- Off: 24/7; On: Set up to 2 timeframes

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- Cellular: Default is on. When the cellular is off, the camera will stop receiving signals. Upload Frequency: (When Cellular is on) Choose how often photos/videos are uploaded to your phone. Higher frequency drains more battery and cellular data. On Demand:
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4. DO NOT replace the pre-installed SIM card
5. DO NOT submerge the camera in water
6. DO NOT mix battery types or use rechargeable batteries
7. IndicatorColor:
 - i) Green: Firmware updating
 - ii) Red: The camera is turned on and ready for operation
 - iii) Blue: Low battery

Mounting

1. Avoid mounting the camera on unstable trees or posts
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4. Clear any brush and tree limbs in the field of view to prevent false triggering

Recommended Accessories

- (purchase separately at KLARVUE.COM)



Security Box



Micro / Wide
Lens



5m
Antenna



Tree
Mount



Solar
panel



Battery Pack
for 18650s

SPECIFICATIONS

IR Range	100 FT
PIRAngle	45'
Flash	No Glow IR (No Flash)
Buttons	Power button; navigation arrows; Menu button; Confirm Button
Display	2-inch HD Display
Lens	f=7.36mm F/NO:2.8 FOV=55'; Auto IR-Cut-Remove (at night); Support micro lens: 450mm
Interface	LTE (APP); USB; SD Card
Trigger Speed	< 0.25 Second
Image Resolution	32MP; 16MP; 4MP
Video Resolution	2k; 1080p; 720p
Video Sound	Optional
Camera Weight (lbs)	0.99
Camera Dimension (in)	5.7' 4.5' 3.5
Waterproof Rating	IP65
External Power	12V
Operating Temperature	-25'C to 60'C -13"F to 140'F
Operating Humidity	5%-90%

TROUBLESHOOTING

Problem	Solution
Camera Won't Connect	Make sure you have an active subscription in KLARVUE APP Move the camera to a spot with better signal Purchase an antenna extender Make sure the SIM card is in place
Camera False Triggers Too Often	Clear tree branches, brush, and weeds from field of view Lower the "PIR sensitivity"
Night Photos too Blurry	Adjust "Night Mode" to a different setting If your camera is aiming at an open field, relocate it to a spot that has more objects in the field of view
Pictures look Condensated/Foggy	Bring your camera back inside and place it in a dry place, then wait until the condensation dissipates
The Camera Won't Turn On	Check the battery status, replace battery if necessary
The Camera Won't Record New Image/Video	Check the SD card memory status. Turn on "Loop Recording" to delete the oldest file every time, or replace the SD card completely

WARRANTY

- Duration: 1 year from the date of purchase, automatically registered Coverage:
- Manufacturer defects in materials and workmanship, such as defective buttons
- Any damage caused by nature or the owner's misuse or alterations is not covered
- Covered cameras will be replaced or repaired free of charge
- KLARVUE reserves the right to make of final determination of warranty coverage.
- For more information, contact support@klarvue.com

Fcc

FCC Warning

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.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, under 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 following 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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment. The device has been evaluated to meet the general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation.

IC warning

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.

More Info

- support@klarvue.com

FAQ

- **How do I set up the camera?**
 - Follow the steps in the Camera Setup section to properly install and activate your camera.
- **What should I do if the camera is not turning on?**
 - Ensure the batteries are properly installed and charged. Check that the power button is set to "ON".
- **How can I maximize battery life?**
 - Limit the upload frequency and PIR interval, and use lithium batteries during winter.

Documents / Resources



[KLARVUE KL896 Ranger Cellular Trail Camera](#) [pdf] User Guide
KL896, 2BKUA-KL896, 2BKUAKL896, KL896 Ranger Cellular Trail Camera, KL896, Ranger Cellular Trail Camera, Trail Camera, Camera

References

- [User Manual](#)

Manuals+, Privacy Policy

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