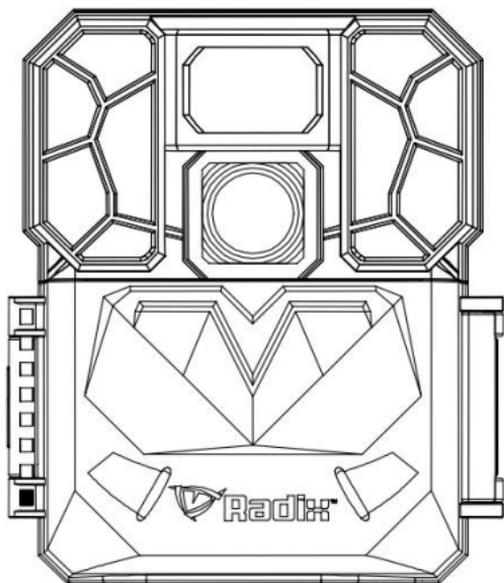




RadixTM
TRAIL CAMERAS

MODEL: GEN-600



**INSTALLATION
AND
USER GUIDE**

1 Instruction

1.1 General Description

This is a powerful and reliable digital scouting and infrared surveillance camera with a wide-angle lens, triggered by any movement of humans or animals monitored by a high sensitive Passive Infrared (PIR) motion sensor, and automatically captures high quality pictures (32MP) or records video clips (1920x1080P) according to default settings or preset settings.

This camera uses the invisible flash night vision LEDs for night time illumination. These LEDs will not have a red glow when illuminated, so that a trespasser or game will not be able to detect the presence of this camera. Also, it delivers clear photos or videos (in black & white) even in the dark. It can take crisp color photos or videos under sufficient daylight. The camera is designed for outdoor use and is resistant against water and snow.

1.2 Camera Body Interfaces

The camera has the following I/O interfaces: USB connector, SD card slot and external DC power connector. Take a few moments to familiarize yourself with the camera controls and displays. It is helpful to bookmark this section and refer to it when reading through the rest of the manual.

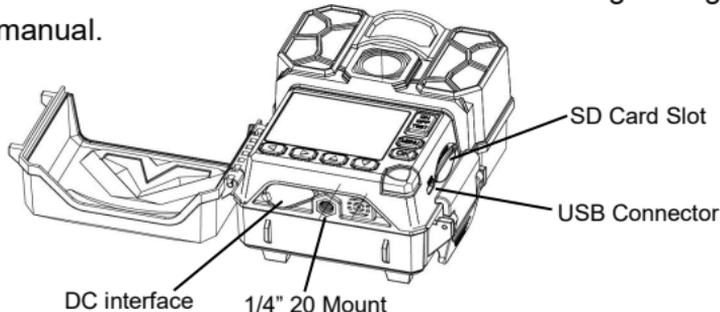


Figure 1 Camera Body Interface

1.3 Diagram of camera functional indicators

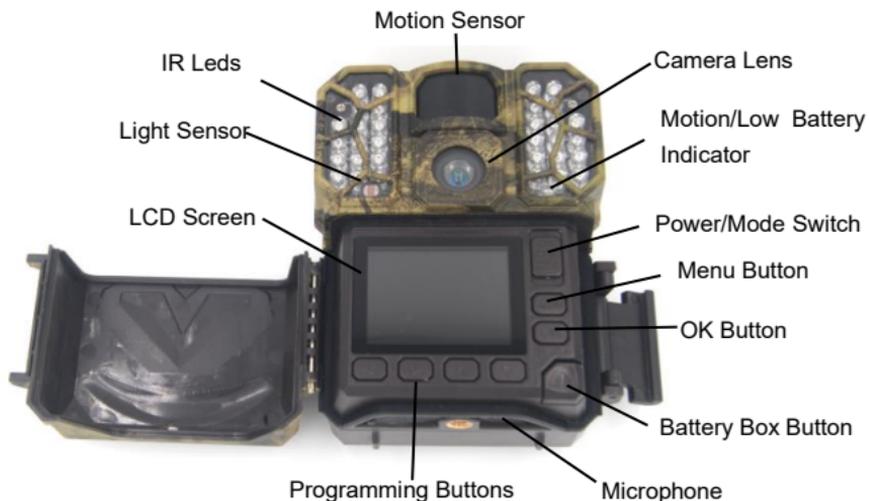


Figure 2 Diagram of Camera Functional Indicators

1.4 Shooting Information Display

When the camera is turned on (the power switch is slid to TEST position), the current settings will be displayed on LCD.

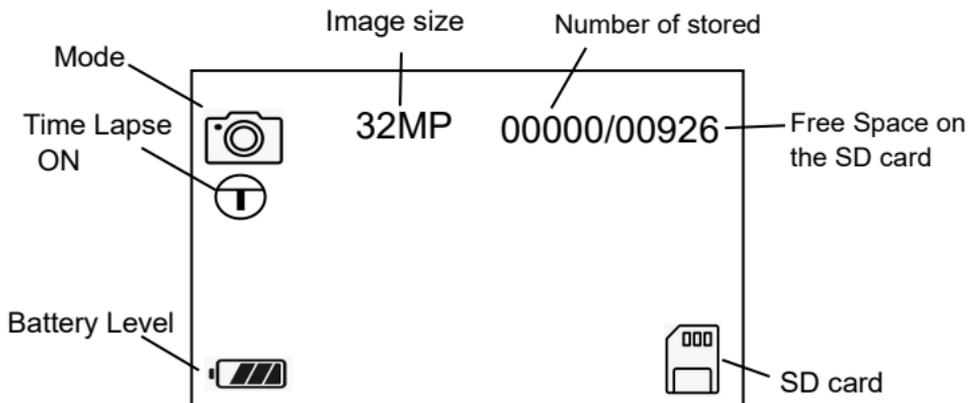


Figure 3 Shooting Information Display

1.5 Supported Format

Item	Format
Photo	JPG
Video	MOV
File	FAT32

Note: The file system format is not a concern of the camera unless you have problems with reading the SD card with other devices. If this happens, please format the SD card in the camera or in a computer and then reinsert the card into your camera.

2 Cautions

- The working voltage of the camera is 9V—12V. The camera is supplied by 6 AA batteries. Please install batteries according to shown polarity. Lithium batteries are always recommended.
- Must insert the SD card before power on. If no SD card is inserted, the camera will shut down automatically.
- Before inserting the SD card, please make sure the power switch is in OFF position. Please do not insert or take out the SD card when the power switch is in ON position.
- It is recommended to format the SD card by the camera when used for the first time. Many other SD cards formatted by other cameras have poor compatibility with different brands of cameras.
- In TEST mode, the camera will shut down automatically after 2 minutes if no operation is done. Please turn on the power again if you want to continue setting your camera.

3 Quick Start Guide

3.1 Power Supply

To supply power for the camera, 6 AA batteries are needed. Confirm that the power switch is in OFF position and pull out the battery pack by pressing Battery Button. Load the fully charged batteries into the pack according to the polarities signs. Push the battery pack back into the battery chamber.

The following batteries with 1.5V output can be used:

- 1.High-density and high-performance alkaline batteries (recommended)
- 2.Rechargeable alkaline batteries (not work in higher and lower temperatures)
3. Lithium batteries (for the cooler season)

Caution: Risk of explosion if battery is replaced by an incorrect type. Also dispose of used batteries according to the instructions. Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

3.2 Insert the SD card

Be sure to insert the SD card with contacts facing down otherwise the camera will not function correctly.

Note: If the switch of SD card is turned to LOCK, the SD card will not store files. Please unlock the write-protection before inserting the SD card.

Warning: Inserting the SD card upside down or backwards could damage the camera or the card. Damage resulting from inserting the card incorrectly is not covered under warranty.

3.3 Enter TEST/SETUP Mode

Slide the power switch to the TEST position. The camera will enter the live preview mode.

3.4 Custom setting

Press **MENU** button to enter into the Setup menu, then press ◀ or ▶ buttons to move between the setting items. Press ▲ or ▼ to select the setting parameters or change the value. Press **OK** to save. *For details, please check the chapter 4(Page 8)*

3.5 Mounting and Power ON

Place the camera at the target area and turn on the camera (slide the power switch to ON).

Mount the camera at the desired location using the strap mount, Python Lock cable, Articulating Ball Joint Mount, or other desired mounting mechanism. Position the camera so that it does not face East or West directly as the rising and setting of the sun can cause false positive triggers and photo overexposure.

NOTE: These cameras are designed to take what is referred to as “natural raw” photos. This means that the user should consider all of the following when positioning the camera for use: natural shadows,

natural light, picture backdrop, direction, height, tilt (should be level), and any other focuses that you choose. Most poor pictures are due to user error. If you need further instruction on setup, please contact Radix Trail Cameras directly.

Before switching ON, please pay attention to the following:

- Avoid temperature and motion disturbances in front of the camera such as a big leaf, curtain, air-conditioner, air outlet of the chimney and other heat sources to prevent from false triggering.
- The height from the ground for placing the camera should vary with the object size appropriately. In general, three to six feet is preferred.
- Slide the power switch to the ON position and enter into the ON mode. Before this, you can adjust the camera towards the target monitoring area.
- After switching on the camera, the motion indication LED (white) light will blink for about 10s. The 10s is a buffering time before automatically capturing photos or videos, e.g. for closing and locking the bottom cover, fixing the camera on a tree and walking away.
- The camera will take pictures or videos automatically according to the default settings or previous custom settings. The camera has the sound recording function, so the sound will be embedded in the video clip while capturing a video.

4 Enter into the TEST Mode and Custom Settings

Slide the power switch to TEST position and enter into TEST mode. There are some functions in TEST mode: custom settings, manual capture, preview manually.

4.1 Custom Settings

Press **MENU** to enter into the menu setting. The camera can be adjusted to manually customize the camera settings which display on LCD screen. The detailed operations will be described in the “Advanced Operations” chapter.

4.1.1 Changing Parameter Settings in TEST Mode

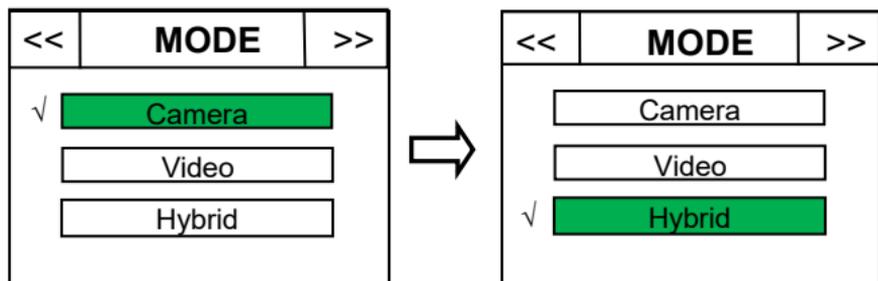
A wide range of options or parameters are provided to allow you to set the camera to your operational preferences. To change the setting of any parameters you must first switch to TEST mode. Once in TEST mode, pressing the MENU will allow you to select any parameters and change its setting. The name of the parameter and its current setting will be shown on the LCD. Pressing the ◀ or ▶ scrolls to the next or previous parameter, and pressing the ▲ or ▼ lets you select a different setting for the currently lighted parameter. Once you have selected your preferred new setting for a parameter, press OK to confirm. When you finished changing the settings of one or more parameters, press MENU to exit.

4.1.2 EXAMPLES - Changing the Settings of Some Common Parameters

To change any parameter setting, always start with the power switch in TEST position. After the LCD comes on, press the MENU. You will see language setting interface on the LCD screen.

Press ▶ two times, you will go to MODE setting interface. Press ▲ or

▼ to select the mode you want. Press OK to highlight and save your setting.



4.2 Manual Capturing

Capture photos or video clips manually in TEST mode.

Manual Capturing a Picture

If the camera is set in Camera or Camera+Video Mode, press ► to manually capture a photo, and it will store in the SD card automatically.

Manual Capturing a Video

If the camera is set in Video mode, press ► start recording a video and again to stop recording.

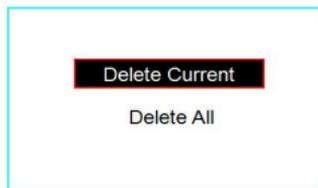
4.3 View Images or Videos

Press OK button to view images or videos, the latest image or video clip will be shown on the LCD screen of the camera.

Press ▲ or ▼ to view the previous or next image or videos. Press ► to play the video. Press OK to exit.

4.4 Delete Photo or Video

View the image (or video), select the one you want to delete. Press MENU to enter the Delete Interface. Press ▲ or ▼ to select Delete All or Delete Current, then press OK to delete.



4.5 Position your camera in TEST MODE

The camera Motion indicator light will Blink once the camera triggered in TEST mode. This function will help you find the suitable distance to your position and proper camera angle.

4.6 Power OFF

Slide power switch to OFF position to turn off the camera.

Note: Even in *OFF* mode, the camera still consumes a small amount of battery power. Therefore, please remove the batteries if the camera is not in use.

5 Advanced Operations

From the basic operations of the camera previewed in the previous chapter, we know that the camera has three basic operation modes:

1. OFF mode: Power switch to OFF position.
2. ON mode: Power switch to ON position.
3. TEST mode: Power switch to TEST position.

In the above three modes, the OFF mode is the specified safe mode when replacing the SD card SIM card or batteries and transporting the camera. This chapter explains the advanced operations for customizing the camera settings.

5.1 Settings Menu

To view the camera settings menu, press MENU in the TEST mode (called settings menu in this chapter). The settings menu will be shown on the LCD screen.

Camera settings:

Language	Choose the language of menu you need.
Set clock	You can change the date and time when necessary, e.g., after battery change each time. The date format is DD/MM/YY, YY/MM/DD, MM/DD/YY, the time format is "hour: minute: second". Press OK to select item, press ▲ or ▼ to change the value.
Mode	Camera, Video, Hybrid(Camera+Video)
Image size	Choose the image size, e.g.32 mega pixels, 16 mega pixels, 12 mega pixels, 8 mega and 5 megapixels

Capture Number	This parameter affects the number of pictures taken for each triggering in Photo mode. It has 9 values: 1~9 Photos. Press ▲ or ▼ to change the value.
Video size	The available options for video resolution are as follows: 1920×1080,1280×720 or 640×360;
Video Length	Choose duration of recording video(5S~60S) <i>Note:To conserve battery power,your night videos are limited to a maximum time of 20 seconds. For example,if your video length us set at 30 seconds,your camera will take 30 seconds video during the day,and your night video will be limited to 20 seconds.</i>
Audio Record	Choose to record the video with sound
PIR interval	This parameter indicates how long the PIR (Passive Infrared Motion Detector) will be disabled after each triggering in ON mode. During this time the PIR of the device will not react to the motion of human (or animals). The minimum interval is 1 second. If you set it in OFF, it means the PIR will not work even if it can be triggered. Your camera will not work.
PIR Sensitivity	This parameter defines the sensitivity of the PIR. There are three sensitivity parameters: High, Medium and Low. The default value Medium. The higher degree indicates that the camera is more easily to be triggered by motion, taking more pictures or recording more videos. It is recommended to use high sensitivity degree in room or environment with little interference, and

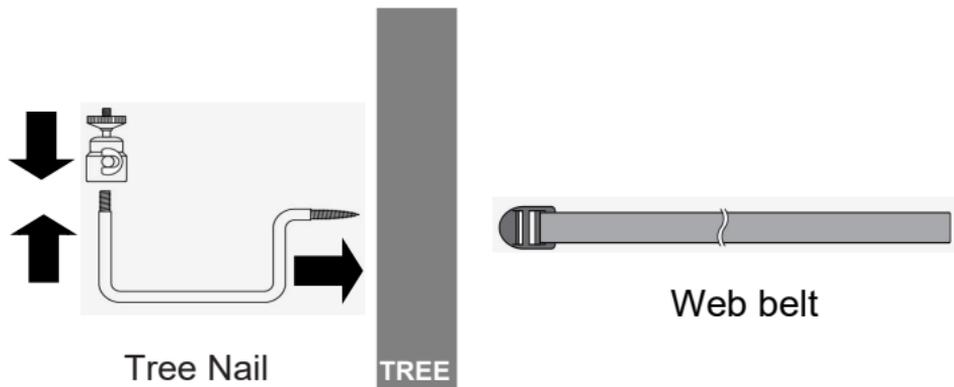
	to use lower sensitivity for outdoor or environment with lots of interference like hot wind, smoke, near window etc. Furthermore, the sensitivity of the PIR is strongly related to the temperature. Higher temperature leads to lower sensitivity. Therefore it is suggested to set a higher sensitivity for high temperature environment.
IR LED	Controls how many LED bulbs fire when image and/or video are taken in low light. Set to Medium or Low If you are getting overexposed flash photos.
Time Lapse	The camera can be set to only record/capture at a certain time of the day when set to ON. The rest of the time the camera will be shut off and will not record / capture any triggers by movement. This function can be set to OFF which means the camera works all day.
Time Lapse Interval	Time lapse interval means the camera can capture images or videos at a preset time interval (frequency) regardless of whether motions are detected. Changing this parameter to turn on the Time Lapse ON first. The default and smallest value is 10S. After set it, the camera will take photos or videos at given time interval automatically.
Beep Sound	ON/ OFF
Camera name	Allow user to add a custom name for the camera if needed, and it will display on information bar of

	photos.
Coordinate Input	Set it to ON and input the latitude and longitude, it will display on the photo information bar automatically, and it is easy for user to distinguish the camera display area.
Photo stamp	This parameter used to set the stamp on to the photos or videos, when set ON, the photos or video will have the time stamp, otherwise OFF don't play a time stamp.
Password	If you set the password, when switched on, the camera's LCD screen will be prompted for a password. You can set up a 4-digit PIN code. The default password has been closed.
Over write	By turning the SD card management feature ON, the camera will erase the oldest pictures or videos on the SD card when it becomes full. This allows your camera to continue taking photos if you cannot get to the filed to swap out the SD card.
BLW Wake (Only available for Bluetooth model)	Set it to ON, the camera will wake up the bluetooth in ON mode. User can connect and set the camera by APP even if it is in ON mode.
Factory reset	If you press OK, you can choose to return menu setting into defaults or not.
Format	If you press OK, you can choose to delete all data or not.
Version	This parameter shows the information about Firmware and IMEI of this camera.

6 Mounting and Positioning

After you've set up the camera's parameters to your personal preferences at home or in your truck, you're ready to take it outside and slide the power switch to "ON". When setting up the camera for scouting game or other outdoor applications, you must be sure to mount it in place correctly and securely. We recommend mounting the the camera on a sturdy tree with a diameter of about 6 inches or more (where the strap fits). To get the optimal picture quality, the tree should be about 15-17 ft. (5 meters) away from the place to be monitored, with the camera placed at a height of 3.5 to 4.5 ft. (1.5~2 m). Also, keep in mind that you will get the best results at night when the subject is within the ideal flash range, which is no further than 45' (14m) and no closer than 10' (3m) from the camera.

There are two ways to mount the camera: using the provided adjustable web belt, or an accessory.

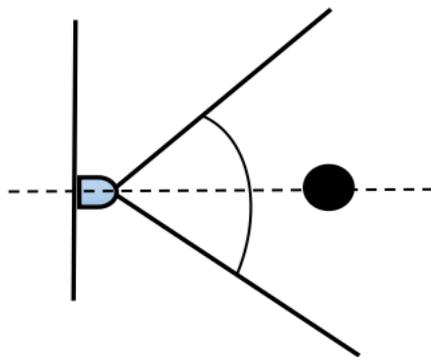
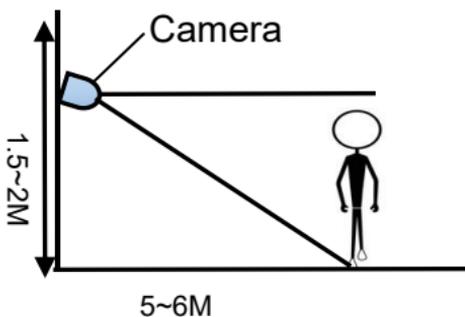


TIPS: 1. If you are concerned about the slight red glow of the illuminator on the low-glow (850nm) camera models spooking animals,

you can mount the camera a bit higher and angle it down. Most animals do not often look up and therefore are less likely to notice the camera if it's mounted above eye level.

2. We recommend that you mount your camera about chest height and angle it slightly downward. This is optimal for detecting animals in the field of view of the camera as well as for accessing the camera's card, batteries, and controls.

3. According to the lens and PIR angel & PIR detect distance to mount and aim the camera will help you find the best placement to get a optimal picture quality. The height away from the ground for placing the device should vary with the animal size appropriately. In general, 3 to 6 feet is preferred.



4. You can avoid potential false triggers due to temperature and motion disturbances in front of the camera by not aiming it at a heat source or nearby tree branches or brush (especially on windy days).

TWO YEAR LIMITED WARRANTY

With great pride and full confidence in our products, we always keep our words which are given to our customers as specified warranty terms and service below. Based on a strict Quality Control system, we initially offer all our customers a 2-Year Warranty. Please view our warranty in detail on our website, www.RadixTrailCameras.com.

This warranty excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship, or by someone other than our authorized technicians. This warranty only covers failures due to defects in materials or workmanship under normal usage.

To obtain warranty service, please contact us to determine the nature of problem before return the product under this warranty (with a written description of the problem and print samples) for repairing or exchanging.

RADIX TRAIL CAMERAS

12486 ROUTE J40

MILTON, IA 52570

Appendix I: Technical Specifications

Lens	F/NO=2.8, FOV(Field of View)=45°
IR Flash	85feet/25m (No glow 940nm IR LED)
LCD Display	2" TFT color screen
Memory Card	Up to 256 GB
Image size	7680*4320 = 32MP 6144*3456 = 20MP 5376*3024 = 16MP 3840*2160 = 8MP 3072*1728 = 5MP
Photo burst	1,2,3,4,5,6,7,8,9 Picture Burst
Video size	1920x1080@60fps(max); 1280x720@60fps(max); 640x360@60fps(max);
Video length	1s-60s
PIR sensor	Multi Zone
PIR sensing distance	90feet/28m (Below 77°F/25°C at the Normal Level)
PIR sensing Angle	45°-50°
PIR Sensitivity	Adjustable (High/Medium/Low)
Operation mode	Camera, Video, Camera+Video
Trigger Time	<0.15s
Fixed time	ON/OFF

Photo stamp	Date and Time, Moon Phase, Battery Level, Temperature, camera name, latitude and longitude;
Power Supply	6 × AA (Lithium batteries are best)
Stand-by Current	< 0.13mA
External Battery Jack	6×AA or 7.4V-12V AC/DC or solar power supply
Microphone/speaker	Yes
Mounting	Rope/Belt/Python lock
Dimensions	110x97x66 mm (4.33 x 3.81 x 2.59 in)
Weight	0.28KG / 0.62lbs
Waterproof grade	IP66
Operation temperature	-20 - +60°C / -4°F - +140°F
Operation humidity	5% ~ 95%
Security authentication	FCC, CE, RoHS

Appendix II: Parts List

Part Name	Quantity
Digital Camera	1
USB Cable	1
Belt	1
User Manual	1
SD card	Optional

Battery	Optional
Solar panel	Optional