



SHADOW



USER MANUAL

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In the Box

Camera

4G Antenna

SIM Card

Mount Strap

Mini USB Cord

User Manual

Note: SD Card and Batteries are not included.

Important Notes

- Requires eight (8) 1.5V AA Alkaline / Lithium batteries.
- Do not mix old and new batteries or battery type.
- Rechargeable AA batteries are NOT recommended, as the lower voltage they produce can cause operational issues.
- Remove batteries when the camera is not in use.
- The camera can run on external (12V/2A) DC power supply.
- Requires a regular MicroSD memory card (max capacity 32GB, Class 10). San Disk /

Lenovo MicroSD / Class 10 memory cards recommended for best performance.

- Format your MicroSD card in the camera.
- It is recommended to go through the entire setup process at home to ensure your camera is operating as expected and images are transmitting properly PRIOR to being taken to the field for use.
- The free SCOUTEK mobile app must be downloaded, and an ACTIVE Scoutek mobile account must be established to operate camera and retrieve images.

Introduction

The Iron Sight Outdoors Shadow trail camera is a new generation of digital scouting camera. It can be triggered by any movement detected by a highly sensitive Passive Infrared (PIR) motion sensor. It then takes high quality pictures (up to 30MP still photos) and video clips with audio.

Equipped with a 4G communication module, the Shadow cam can transmit photos and videos quickly to your smart phone.

Mobile App Features

- Manage/View photos and videos
- Real-time notifications
- Manage camera settings
- Receive status updates on battery life, temperature, SD card space, etc.
- Share camera with friends

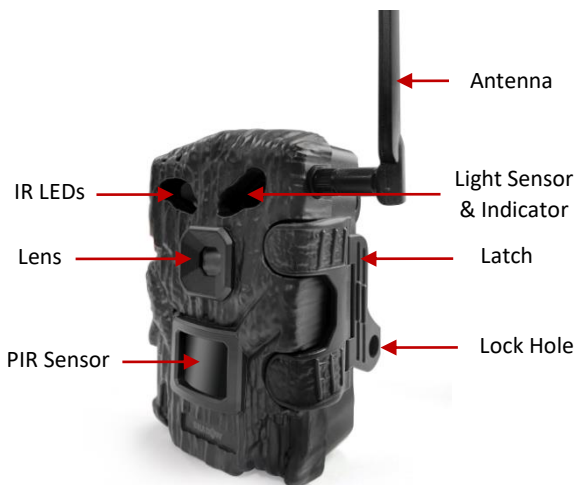
Camera Features

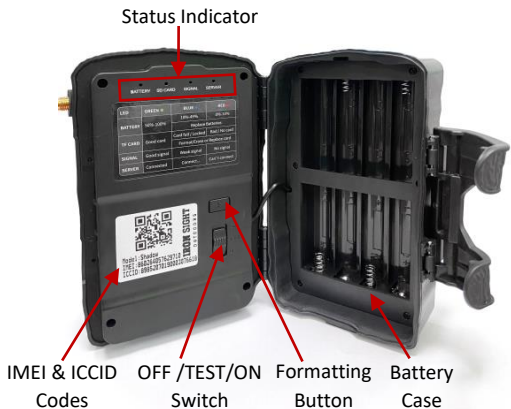
- 4G LTE cellular
- 30 mega pixels
- 320x180/30FPS video with audio
- 0.3s trigger speed
- Support real-time transmission
- Built-in 4pcs 3W high-power no glow black infrared LEDs
- Up to 65ft/20m detection & IR Night Vision Range
- Supports up to 32GB MicroSD card
- Built-in microphone and temperature sensor
- Power supply: 8 AA batteries (*not included*)
- Camera status indicator LEDs
- Mini USB2.0 interface

- Solar panel compatible (12V)
- Waterproof & dustproof grade: IP66
- Operating temperature: -20°C–70°C

Parts and Controls

The Shadow cam is equipped with high efficiency infrared LEDs, LED Indicators, Lens, and PIR Sensor.





The Shadow cam provides the following connections for external devices: Micro USB 2.0 and MicroSD card.

The Shadow cam has two strap slots on the back. The strap can be put through the strap slots and fastened securely around a tree by pulling the end of the strap firmly and securing the locking mechanism.

Using the Camera

Please take the time to read the following instructions prior to setting up your camera.

Loading batteries and mounting antenna

After opening the cover of the battery compartment, you will see the camera has eight battery slots.

Eight batteries must be installed for the camera to operate. Be sure to insert each battery with correct polarity (negative or 'flat' end against the long spring of each battery slot).

Screw antenna onto side of camera until it is snug. Finger tighten only. Be careful not to overtighten.

Inserting the MicroSD Card and SIM Card

Insert MicroSD Card and SIM Card prior to operating camera and with camera powered OFF. Do not insert or remove MicroSD card or SIM card when camera is powered on.

Insert the MicroSD Card and SIM Card into appropriate slot with label side upwards. A 'click' sound indicates that the card was installed successfully. If the wrong side of the card is facing upward, you will not be able to insert without force. There is only one correct way to insert cards.



SIM Card Slot MicroSD Card Slot MicroUSB Interface

Formatting the MicroSD Card

Before first use, format the MicroSD Card by holding down the camera's 'F' button for 5 seconds. All 4 LED lights will turn red to confirm the card has been successfully formatted. (Be sure to format card, especially if card has previously been used in another device).

Removing the MicroSD Card and SIM Card

Remove the MicroSD Card and SIM Card by gently pushing in the card. The card is released from the appropriate slot and ready to be removed when you hear a 'click'. Do not attempt to remove card without pushing in first.

Be sure camera is powered OFF prior to removing MicroSD Card, SIM Card or batteries.

Camera Status Indicator Guide

The BATTERY and SD CARD LEDs will illuminate to show status. Green BATTERY LED indicates power is full. Green SD CARD LED indicates MicroSD Card is good. The LED indicators can also be blue, or red. Refer to the following table for color definitions.

The SIGNAL LED will be red while acquiring signal and turn to solid green if signal is good, blue if signal is ok, red if signal is bad.

The SERVER LED will be red while connecting to mobile app and turn green when connected. This could take several minutes. Please be patient.

LED	GREEN ●	BLUE ●	RED ●
BATTERY	50%-100%	10%-49%	0%-10%
		Replace Batteries	
SD CARD	Good card	Card full / Locked	Bad / No card
		Format/Erase or Replace card	
SIGNAL	Good signal	Weak signal	No signal
SERVER	Connected	Connect...	Can't connect

Register and Activate Camera

Mobile App

1. Install Scoutek app from the App Store or Google Play.
2. Create a Scoutek account.
3. Inside Scoutek app, click Register Camera, then select Scan QR Code
4. Open camera housing. Using the Scoutek app, scan QR code label inside camera to input IMEI and ICCID.
5. Type a name for the camera and click Register Camera.
6. If you have additional cameras to register, register each by selecting Register Another.
7. Once all cameras have been registered, click Activate for each camera.
8. Select a data plan, click Checkout, proceed through checkout process.
9. Once checkout is complete, your cameras will be activated. You will be notified once activation is successful.
10. Power cycle your camera from Off to On to begin receiving photos and videos.

Website

1. Go to <https://www.scoutek.com> and click Sign In in the top right.
2. Click Sign Up and create a Scoutek account.
3. Sign into your account and click Register Camera
4. Referencing the sticker on the inside of the camera, fill in the IMEI and ICCID.
5. Type a name for the camera and click Register.
6. If you have more cameras to register, register all of them by clicking Register Another.
7. Once all cameras have been registered, click Activate for each camera.
8. Select a Data plan, click Checkout, and proceed through the checkout process.
9. Once checkout has been completed your cameras will be activated, and you will be notified once the activation is successful.
10. Slide your camera switch from Off to Test to check the indicator guide.
11. Slide your camera switch from Test to On once confirmed the camera is connected.

Advanced Settings

The Shadow cam comes with preset manufacturer settings. You can change the settings to meet your requirements via your Scoutek app or the Scoutek website.

Parameter	Settings (Bold =Default)	Description
Mode	Photo Video Photo & Video Time Lapse	Photo: Still images will be captured by the camera in photo mode. Video: Video clips will be captured when camera is in video mode. Photo & Video: Captures a single image followed by a video clip. Time Lapse: With “Time Lapse” ON, the camera will capture photos or videos automatically at a pre-set time interval regardless of whether motions are detected or not.

		<p>WARNING: When the Time Lapse parameter is set to ON, the PIR sensor is deactivated. The Time Lapse is programmable from 00:00:15 up to 23:59:59.</p> <p>Example: If Time Lapse is set to 00:30:00, the camera will automatically capture photos/videos every 30 minutes.</p>
Trigger Delay	<p>15S (1s~1h)</p>	<p>Selects the length of time that the camera will ignore additional triggers from the PIR after first triggered. During this user set interval, the camera will not capture photos or videos.</p>
Time Lapse Interval	<p>12H (0M- 24H)</p>	<p>When you select time lapse mode, whether the camera detects an animal or not, it will automatically capture pictures according to the interval you set.</p>

Trigger Sensitivity	High Medium Low	Select the sensitivity of the PIR sensor. Temperature affects the sensitivity. The higher the sensitivity, the more likely your camera will capture things further away, vice versa.
Operating Hours	<input checked="" type="checkbox"/> -ON <input type="checkbox"/> -OFF	ON = Specify hours of operation. For instance, if the starting time is set at 20:30 and the ending time at 8:20, the camera will function from 20:30 the current day to 8:20 the next day. Outside of that time period, the camera will not be triggered or take photos/videos.
HD Photo size	30MP 20MP 16MP 8MP 4MP 2 MP 1 MP	Select desired resolution for still photos. Higher resolution produces better quality photos but creates larger files that take more of the MicroSD card space as well as uses more data

		when uploaded to Scoutek. Larger files require longer time to write to the MicroSD card, which will slightly slow the shutter speed.
Burst count	1P (1P~4P)	Select the number of photos taken in sequence per trigger. Must be set to 1 when Upload Interval is set to Instant Group.
Shutter speed	Slow Medium Fast	Fast: the shutter speed is 1/30 sec (The image brightness is moderate at night, and the smear of moving objects is moderate.) Medium: the shutter speed is 1/20sec (The brightness and smear of moving is standard for night shoot) Slow: the shutter speed is 1/15 sec. (High brightness for night

		shooting, large smear of moving objects)
Video length	10 seconds 5 seconds	Set video clip length to 5s or 10s.
Audio	<input checked="" type="checkbox"/> -ON <input type="checkbox"/> -OFF	ON = records audio with videos.
Upload Interval	Instant Hourly Once Per Day Instant group OFF	<p>Instant: Image/video will be uploaded immediately after they are captured and saved to the memory card.</p> <p>Hourly: Image/video will be uploaded only once per hour.</p> <p>Once Per Day: All new images will be uploaded only once per day.</p> <p>Instant Group: Photos will be taken as often as every 2 seconds while motion is detected. Images will be uploaded</p>

		<p>after 10 seconds of no detected motion.</p> <p>OFF: Image/video will not be uploaded but will be saved to SD Card. Changing from OFF to other Upload Interval will take place with next status reports.</p>
Upload Photo Quality	<p>Standard</p> <p>Enhanced</p> <p>Hi Res</p>	<p>Standard (saves data): 640 x 360</p> <p>Enhanced (more data): 1920 x 1080</p> <p>Hi Res (most data): 2560 x 1440</p>
Time Format	<p>12 hours</p> <p>24 hours</p>	Set the time format you desire.
Information Bar	<p><input checked="" type="checkbox"/>-ON</p> <p><input type="checkbox"/>-OFF</p>	<p>ON = the information bar on every photo.</p> <p>OFF = information bar is hidden.</p>
Photo Label		Name camera with up to ten characters.

Temperature	Fahrenheit Celsius	Select the temperature format you desire.
Recycle Storage	<input checked="" type="checkbox"/> -ON <input type="checkbox"/> -OFF	ON = the oldest files will be overwritten with new images when the MicroSD card reaches its capacity. OFF = the camera will stop saving images once the MicroSD card reaches capacity.
IR Flash Range	High Low	High = brighter flash, longer range Low = lower flash, lower range High is recommended for optimum nighttime photos.

Mounting & Positioning

Mounting

When setting up the camera for scouting game or other outdoor applications be sure to securely mount in place. We recommend mounting the camera on a sturdy tree with a diameter of at least 12inches. For optimal picture quality, the tree should be about 16-17ft. (5m) away from the place to be monitored, with the camera placed at a height of 2.5-3.5ft. (0.75-1m). Also, keep in mind, you will get the best results at night when the subject is within the ideal flash range, no farther than 65ft and no closer than 10ft. (3m) from the camera.

There are two ways to mount the camera:

1. **Adjustable Mount Strap** (*Included*): Push one end of the strap through the two brackets on the back of the camera. Thread the end of the strap through the buckle. Fasten the strap securely around the tree trunk by pulling the end of the strap firmly so there is no remaining slack.
2. **Tripod Socket**: The camera is equipped with a socket at the bottom to enable

mounting onto a tripod or other mounting accessories with a standard *UNC 1/4-20* thread screw. (*Tripod and other mounting accessories not included.*)

Sensing Angle & Distance Test

1. Switch camera to TEST mode.
2. Close camera door.
3. Make movements in front of camera at different distances and angles within the area to be monitored.
4. If motion indicator RED light blinks, movement can be detected. If motion indicator does not blink, movement cannot be detected.

The results of this test will help determine the best placement when mounting camera. The height at which the camera is mounted will vary with use. In general, 3-6 feet is recommended.

False triggers can be avoided by avoiding a heat source (such as the sun) and/or nearby tree branches or brush that will move easily with wind. Do not install camera behind a glass window/door as it will not be possible to detect motion.

Reviewing Photos and/or Videos

- Scoutek App/Website
- USB Cable
- MicroSD Card Reader (*not included*)

Troubleshooting

If camera is not functioning properly, or experiencing photo/video quality issues:

- Ensure camera is powered on and correct mode is selected.
- Format MicroSD card in camera or replace MicroSD card.
- Ensure batteries are charged and the positive and negative poles are installed correctly.
- Replace batteries if needed (especially if night vision is not working as expected).
- If camera is not taking photos/videos, check battery charge, and MicroSD card's available storage.

Support

Contact support at:

support@ironsightoutdoors.com

Warranty

Camera warranty covers camera for one year after the original purchase date. We warrant that your camera will be free from defects in materials and workmanship when operated in normal use and conditions. This warranty does not cover consumer caused damages such as misuse, abuse, improper handling, or installation, damage caused by wild animals, or repairs attempted by someone other than our authorized technicians. This warranty extends solely to failures due to defects in materials or workmanship under normal use. It does not cover normal wear of the product. Warranty is granted to original owner established by registered product in Scoutek app/website.

