PHOTO MODES

- Photo
- Video Mode
  - Records Audio
- HD VIDEO
- HD TIME LAPSE
  - All Day Time Lapse
  - + Photos

INSTRUCTION MANUAL

PLEASE READ CAREFULLY BEFORE USE

Additional Information on this product and answers to frequently asked questions can be found at www.primos.com

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CLEANING CAMERA: Do not use window or any chemical cleaner to clean any part of the camera. Only use water dampened cloth and wipe gently.

DO NOT COVER UP PIR LED LIGHT ON THE FRONT OF THE CAMERA HOUSING. This light also detects light conditions for camera exposure. Use this light to verify PIR sensor activity after installing on tree when camera is under setup mode.

IMPORTANT
For your protection, please carefully read these warnings, precautions and safety/operating instructions completely before operating this product. Follow these instructions closely and keep this manual for future reference.

WARNING
To reduce the risk of fire, electrical shock or product damage/failure,
- Do not expose unit with the battery door open to rain, moisture, dripping or splashing. Do not open or close the battery door with wet hand. Completely wipe off water on unit and door before opening.
- Do not lay product on moist ground or submerge in water (this unit is designed for upright outdoor use).
- DO NOT OPEN CASE HOUSING. UNINSULATED, ‘DANGEROUS VOLTAGE’ WITHIN PRODUCTS ENCLOSURE. DO NOT REMOVE HOUSING COVER. THERE ARE NO USER - SERVICEABLE PARTS INSIDE, REFER SERVICING TO PRIMOS® CUSTOMER SERVICE.
- Only use batteries as specified in this user manual and install according to correct polarization. Failure to follow may result in leaking or exploding batteries, damage to product, fire or personal injury. Do not handle damaged or leaking batteries.
- Do not expose to extreme heat. Do not leave product and/or batteries exposed in direct sunlight inside a vehicle, or other contained environment for a long period of time.
- Only use accessories as recommended in this manual
- DO NOT install internal batteries and connect an external rechargeable battery at the same time. Failure to follow this warning may result in premature battery drain, leaking or exploding batteries, damage to product, fire or personal injury. Do not handle damaged or leaking batteries. PROOF® CAM Battery Case is designed for use with the 8 AA internal batteries and is excluded from this warning.

CARE & CAUTION
- Transport and handle with care. Do not strongly shake, bump, hit, drop or otherwise cause impact to the product – can result in product malfunction or damage to key components. Additionally, damage to the case could result in imperfections to water-resistant properties.
- Take extra care when handling or using product in places with sand and dust. Sand, dust and foreign substances exposed to product, especially in extreme proportions, may result in poor speaker quality, damage to the external jacks or internal components and could cause malfunction of the product. If exposed to any of these elements, please carefully wipe off completely before continued use.

MODIFICATION WARNING
You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty of this equipment.
OPERATING TEMPERATURE
- Recommended storage temperature range -10°F to 140°F
- Recommended operating temperature range 20°F to 120°F

WARNING
To avoid possible product damage and/or injury, NEVER INSTALL DIFFERENT TYPES OF BATTERIES in the product at the same time. Failure to follow may result in leaking or exploding batteries, damage to product, fire or personal injury. Do not handle damaged or leaking batteries.

QUESTIONS??
Feel free to contact the Primos® Customer Service Team with any comments, questions, problems or return requests. Call (601) 879-9323 or e-mail service@primos.com.

INTRODUCTION

It's the dawning of a new era for trail camera users. In order to move forward we have gone back. Back to what we hunters want. Products that simplify our time in the woods. Products that are designed without complications we don’t need. A trail camera that we can rely on to capture photos and videos.

If you want the most reliable, most simple-to-use trail camera money can buy, with all the functions that really matter and none of the extras that don’t, you will thoroughly enjoy your new Proof Camera.
IT'S SIMPLE TO USE THIS CAMERA

Install batteries.

Install SD memory card.

Slide to setup mode. Then simply set the date & time.

Slide switches to desired setting. Then slide to ON.
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INCLUDED PARTS

1. Proof® Cam – (1)
2. 72” Tree Mounting Strap – (1)
3. Instruction Manual – (1)

NEEDED TO OPERATE

1. Eight (8) “AA” Alkaline or Lithium
2. One or more SD Memory Cards
   (Camera will support up to 32GB SD or SDHC Cards)
   NOTE: If no SD Card is installed ‘Add SD’ will display on the initial menu screen
3. SD Memory Card Reader or other device to download media from SD Memory Card to Computer. (Many computers have SD Memory Card slot built-in)
SELECT SD CARD SIZE

These charts allow you to see the approximate capacity of 2GB, 4GB, 8GB, 16GB & 32GB SD Memory Cards. This will help you decide which size SD Cards might be appropriate based on your desired camera mode.

**Proof Cam**

<table>
<thead>
<tr>
<th>Mode</th>
<th>Resolution</th>
<th>Avg. File Size</th>
<th>Media Type</th>
<th>2GB</th>
<th>4GB</th>
<th>8GB</th>
<th>16GB</th>
<th>32GB</th>
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<tbody>
<tr>
<td>Photo Hi</td>
<td>3000x4000</td>
<td>1.2 MB</td>
<td>Images</td>
<td>1660</td>
<td>3320</td>
<td>6640</td>
<td>13280</td>
<td>26560</td>
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<tr>
<td>Photo Lo</td>
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<td>Images</td>
<td>5000</td>
<td>10000</td>
<td>20000</td>
<td>40000</td>
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<tr>
<td>Video Hi</td>
<td>1280x720HD</td>
<td>13 MB</td>
<td>Short Videos (15s)</td>
<td>150</td>
<td>300</td>
<td>600</td>
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<td>2400</td>
</tr>
<tr>
<td>Video Lo</td>
<td>640x360</td>
<td>3.5 MB</td>
<td>Short Videos (15s)</td>
<td>570</td>
<td>1140</td>
<td>2280</td>
<td>4560</td>
<td>9120</td>
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<tr>
<td>Time Lapse</td>
<td>1280x960</td>
<td>200 MB per Day</td>
<td>All Day Videos</td>
<td>10 Days</td>
<td>20 Days</td>
<td>40 Days</td>
<td>80 Days</td>
<td>160 Days</td>
</tr>
</tbody>
</table>

* Approximation - photo/video sizes are based on individual image details
SETTING DATE & TIME

A 3-way power switch is used to select the main operating modes: OFF, SETUP, and ON.

View Date or Time
Slide switch to setup and with camera LCD screen ON, push ▲ or ▼ arrows to display date or time setting in the camera.

To Change Date or Time
With Date or Time setting on the LCD screen, press OK button to enter edit mode (setting should start to blink). Use ▲ or ▼ arrows to change the setting, pressing OK button to save.

NOTE: Time/date will have to be reset if AA batteries die or are removed.

To Change Nightvision Shutter Speed
NS means Nightvision shutter, H means high to reduce motion blur but picture will be darker. L means low to increase brightness but with more motion blur.
1. MODE SWITCH

Decide Which Capture Mode To Use

**Photo**
Captures high (HI) or standard (LO) resolution photos with motion detection. Your camera’s photo capture resolution can be found in the Camera Specifications chart in the back of this manual. Photo is the most popular capture mode. **Media Saved: JPEG Photos**

**Video**
Captures high (HI) or standard (LO) resolution video clips with motion detection. Your camera’s video capture resolution can be found in the Camera Specifications chart in the back of this manual. Video mode is less popular (night videos drain a lot of power resulting in shorter battery life). **Media Saved: AVI Video Clips**

**All Day Time Lapse**
Captures time lapse photography automatically all day and saves footage in a video file. This mode has gained popularity for scouting further distances, such as big open areas (food plots, fields, etc) where you will capture footage automatically whether there is motion or not. However, with the camera constantly taking pictures all day, the battery life will be limited (see Battery Life in manual). **Media Saved: All Day AVI Videos**

**All Day Time Lapse Day + Photos**
Same as Time Lapse above, but ALSO will simultaneously capture photos (with default photo setting - see below) during Day or Night when motion is detected. This mode allows the long range surveillance but also with the convenience of quickly seeing what walking directly in front of the camera [without having to watch the entire day time lapse video]. However, with the camera constantly taking pictures all day, the battery life will be limited. **Default Photo Setting:** Photo Lo, 3 Burst, Delay according to Delay setting. **Media Saved:** All Day AVI Video and JPEG Photos
2. SETTING SWITCH
The sliding switches are color coded to match the SETTINGS with the corresponding MODE setting.

Photo Burst
Number of pictures taken each time motion is detected (triggering event)

Video Length
The length (seconds) of each video clip recorded each time motion is detected (triggering event)

Time Lapse Interval
The pre-set amount of time (minutes) you desire between each time lapse photo. Short intervals offer more constant surveillance but your AVI video file will be larger. Longer intervals will reduce the video file size and save battery life.
3. DELAY SWITCH
The pre-set amount of time you desire between photo & video recordings. The delay switch setting also applies to delay between photo recordings in Time Lapse + Photo mode.

CAMERA IS READY TO USE!
AFTER SETTING DATE & TIME and SIMPLY SLIDING SWITCHES TO DESIRED SETTING, MOVE TO THE POWER SWITCH FROM SETUP TO ON. After front red LED blinks for about 15s, the camera is active standby mode and will record media according to the switch settings.
THE OFF, ON, AND SETUP MODE

The Proof Cam has three basic operational modes:
- OFF mode: Power switch in the OFF position.
- ON mode: Power switch in the ON position (LCD screen is off.)
- SETUP mode: Power switch at the SETUP position (LCD screen is on.)

OFF MODE
The OFF mode is the safe mode when any action must be taken, e.g., replacing the SD card or batteries, or transporting the device. You will also use OFF mode if you connect the camera to the computer’s USB port later to download your photos/videos. And of course, when you are storing or not using the camera, you will switch it OFF. Please note that even in OFF mode the Proof Camera still consumes power at a very low level. Therefore, it’s a good idea to take the batteries out of the battery compartment if the camera will not be used for a long time.

ON MODE
Anytime after the batteries and SD card have been inserted, you can switch on the camera. When the power switch is moved to the top position, the camera will enter into the ON (Live) mode. The motion indicator LED will blink red for about 15 seconds. This interval allows time for you to close the Proof Cam’s front cover, lock it, and leave the monitored area. Once in the ON mode, no manual controls are needed. The Proof Cam will take photos or videos automatically (according to its current slide switch settings) when it is triggered by the PIR sensor’s detection of activity in the area it covers. You can either move the power switch directly from OFF to ON mode, or stop at the SETUP position first to change one or more settings, then move the switch to ON after you have finished doing so.

SETUP MODE
In the SETUP mode you can check and change the slide switch settings. Moving the power switch to the SETUP position will turn on the LCD display, and you will see an information screen that shows how many images have been taken, and the battery level.

NOTE: Always move the power switch from OFF to SETUP mode. It is possible that the camera could lock up if it is switched from ON to SETUP mode. If this occurs, simply move the switch to OFF and then push it over to SETUP again.

AUTO CAMERA SENSITIVITY (PIR Sensing)

This camera is equipped with auto-adjusting Passive Infrared (PIR) Sensor. There is no need to worry about adjusting any settings for different climates or situations.
STATUS INDICATION LIGHTS

RED LIGHT ***
(on front of camera)
Lights up when the camera detects motion. After you close camera door and are standing in front of the camera, visibility of this light is indication that your camera can sense you.

TIP: Under setup mode, walk in front of the camera and look for the red light to illuminate when you are detected. You can do this to verify your camera is pointing in the correct direction.

**NEVER COVER THE RED LED LIGHT. This LED LIGHT also doubles as the camera’s light sensor, which determines day or night operation.

NUMBER OF FILES STORED ON SD CARD

The initial main LCD screen displays number of files ‘0000’ stored on the SD Memory Card and the battery life. For example, ‘0015’ would indicate that any combination of ‘fifteen’ photos, videos and/or time lapse videos are stored in the memory.
BATTERY LIFE

Long battery life is one of the most important requirements for convenient and enjoyable game camera use. There are several variables that will determine the battery life including type of batteries, temperature outside, recording settings, frequency of camera activity, etc. Colder temperatures, more advanced settings, night photos and high photo frequency (low camera delay) will result in shorter battery life. Different brands of batteries may also perform better than others, so please experiment to find what works best for you. (NOTE: Capturing video clips and time lapse videos uses more power and will result in shorter battery life then capture motion detected photos.)

EXAMPLES:
- Camera in standby mode with limited record activity may produce up to 1 year battery life.

- Camera with a lot of day activity in mild climate may produce tens of thousands of photos on one set of AA batteries.

- Time Lapse 1 minute Interval mode may only result in 15-20 day battery life using 8 AA batteries and 25-30 day battery life for Time Lapse 2 minute Interval mode.

- Setting the camera for video mode can greatly lower the battery life if videos are captured at night when iR LEDs are illuminated. If night video capture is required, setting the video length for 5 or 10 seconds is recommended to maximize battery life.

- **Do not mix old and new batteries**

- **Do not mix battery types-use ALL lithium or ALL alkaline**
FORMATTING/CLEANING SD MEMORY CARD

If SD Memory Card has been used in any other devices, we recommend formatting before use in the Proof Cam. We also recommend reformatting the card every time the card is cleared of pictures. It only takes a few seconds and can avoid inconvenient corruption and compatibility issues that can result in loss of game pictures.

Formatting The SD Card Erases All images and Data.

NOTE: Primos recommends formatting all SD media on a computer after media has been copied to the computer and no longer needed on the SD media. This removes all corrupted files or data artifacts that can cause potential media recording issues.

To Proceed With Formatting Put Camera In SETUP Mode
1. Hold ▲ and ▼ arrow buttons together for 2 seconds
2. Format is complete when the display shows photo/video count “0000”

CAUTION: NO WARNING IS DISPLAYED WHEN HOLDING DOWN BOTH ARROW BUTTONS IN FORMATTING SD CARD PROCESS. THIS DELETES ALL PHOTOS, VIDEOS, AND ANY OTHER DATA ON THE SD CARD.
VIEWING/RETRIEVING MEDIA

Explore the methods for viewing recorded media on your camera SD Memory Card:
1. Remove SD Memory Card from slot in camera
2. Replace with separate, clean SD Card if you want camera to continue work.

How To View Images/Videos

1. View images/videos with SD Card directly in computer.
   If available you can view images/videos by inserting SD Card directly in SD memory card reader slot in computer

2. View images/videos with SD Card by attaching external USB memory card reader to your computer.
   If your computer doesn’t have an SD Card reader built in, you can view images/videos by attaching USB memory card reader to your computer.
<table>
<thead>
<tr>
<th>Vendor Model #/Style #</th>
<th>63054</th>
<th>63055</th>
<th>63056</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Camera Model</strong></td>
<td>Primos Proof Cam 01 HD -- 10MP Game Camera</td>
<td>Primos Proof Cam 02 HD -- 12MP Game Camera</td>
<td>Primos Proof Cam 03 HD -- 12MP Game Camera</td>
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<tr>
<td><strong>Image sensor</strong></td>
<td>3.0 MP Color CMOS</td>
<td>3.0 MP Color CMOS</td>
<td>3.0 MP Color CMOS</td>
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<td><strong>Photo resolution settings</strong></td>
<td>Large(3648x2736), Small(2048x1536)</td>
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<td>Large(4000x3000), Small(1920x1440)</td>
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<td>1, 2, 3, 4, 5</td>
<td>1, 2, 3, 4, 5</td>
<td>1, 2, 3, 4, 5</td>
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<tr>
<td><strong>Video resolution settings</strong></td>
<td>1280x720HD(30fps), 320x240(30fps)</td>
<td>1280x720HD(30fps), 320x240(30fps)</td>
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<tr>
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<td>5s, 10s, 15s, 20s, 30s, 60s</td>
<td>5s, 10s, 15s, 20s, 30s, 60s</td>
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<td>Video Mode Records Audio</td>
<td>Video Mode Records Audio</td>
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<td>1280x960 (10fps)</td>
<td>1280x960 (10fps)</td>
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<td><strong>Time Lapse interval settings</strong></td>
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<td>1m, 2m, 5m, 10m, 30m, 60m</td>
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<td>fixed</td>
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<td>Multi Zone</td>
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<td>0.4 Second</td>
<td>0.4 Second</td>
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<td>up to 32 GB SD Card</td>
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<td>Windows 2000, XP, Vista, Win7 or Win 8; USB port</td>
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<td>SD Memory up to 32 GB card size (not included)</td>
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<td>&lt; 0.25 mA (&lt;mAh/Day)</td>
<td>&lt; 0.25 mA (&lt;mAh/Day)</td>
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<td>Power Consumption (12v Power in)</td>
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<td>90mA (+960mA with IR)</td>
<td>90mA (+1100mA with IR)</td>
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<td>&quot;SD Card Slot USB Jack 12V DC Jack&quot;</td>
<td>&quot;SD Card Slot USB Jack 12V DC Jack&quot;</td>
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<td>&quot;Storage: -10°F to 140°F Operation: 20°F to 120°F&quot;</td>
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<td>FCC, CE, RoHS</td>
<td>FCC, CE, RoHS</td>
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OPERATION TIPS

Learning to use your PROOF®Cam
Visiting www.primos.com and watching our Instructional Video Clips is the ‘easiest way’ to learn ‘how to use’ your PROOF® Camera!

Troubleshooting or Questions
Before calling customer service, visit primos.zendesk.com to find troubleshooting tips, frequently asked questions and answers, as well as any updates.

Camera Mounting Direction
The red status light illuminates when camera detects motion. To verify your camera is pointing in the correct direction, you can walk in front of the camera after it is setup and look for the red light to illuminate when you are detected for 15 seconds during the countdown to live mode. After the 15 seconds, the LED will flash 5x before entering live trigger mode.

Camera Mounting Height
Generally 3ft from ground is normally good height to mount the camera, but depends on type of game and ground terrain.

Blurry Images
Primos® takes pride in the quality of images captured by the Proof® Cam. However, this is an outdoor product that will be constantly exposed to different/changing conditions that can affect the quality level. Blurry images typically result from objects causing interference between the camera and the intended focal point (game too close, brush, trees, etc). Blurry images may also be the result of direct sunlight, fog, condensation (dew), water droplets, snow/ice, dirt, dust or other debris on the camera lens. Carefully cleaning the camera lens window, making sure there are no scratches and/or placing the camera in a different location may solve this type of problem.

Blurry Image Quality – Motion
Primos® takes pride in the quality of images captured by the Proof® Cam. Primos has improved the ANTI-BLUR for this product; however there is currently no way to eliminate the potential of photos with blur caused by game moving (motion) too quickly. We have optimized the Proof®5 Cam to limit the number of motion blurred images and provide as many clear, quality photos as possible. You may change night vision shutter speed to H to reduce motion blur.
Whiteout Image
If the object is too close to camera, the LED light may reflect back causing over exposure. This is common, not a quality issue.

Dark or Light Image Quality
Primos® takes pride in the quality of images captured by the Proof® Cam. As daylight transitions back-and-forth between light and dark, the camera changes settings to optimize the picture. Some ‘lighter’ or ‘darker’ photos may be captured during the camera transition process – this should be a limited amount of photos with the optimization of our software. Also, please try to avoid setting up the camera in situations where the sunlight will shine directly into camera lens. With any photo capturing, taking pictures directly into sunlight produces less than desirable results.

Empty Photos/False Triggers
If there are a large number of photos taken with no game present in the frame, first make sure your camera is mounted the correct height and in the right direction. If there are limited, random photos with no game present, the following scenarios are most likely 1) an animal ran through the picture extremely fast or 2) a smaller animal/bird is around the camera/sensor but is not in the camera field of view or 3) the sunlight or heat in combination with moving elements (trees, brush, shadows) is causing a false trigger. The first two scenarios are hard to prevent, but the sunlight/heat should not cause many false triggers as the camera has been optimized to sense and distinguish for correct triggering. To prevent potential false triggers, try not to setup the camera directly in the sunlight.

Camera Doesn’t Save Photos/Video
The SD Memory Card may be locked. Please look closely at the card and make sure the card is in the ‘unlocked’ position. If photos/videos are still not saved by camera activity, the SD Memory Card may be corrupt or damaged. You can try to reformat the card on a computer and try it again, or simply try replacing it with a different/new SD Memory Card.

Storing Camera
Do not store in extreme heat, cold, moist or humid conditions. Remove batteries when storing for periods for longer than one week without use.
Inside Camera Operation
The camera is designed for outdoor use. It is ok to test the camera indoors for operation, but please note the indoor lighting and reflection may not be optimal for correct photo exposure and video recording.

Watching All Day Time Lapse Videos
Time Lapse recordings are meant to be saved as an all day video file - one video file per day. However, with interruptions, sometimes a few video files can be saved per day. Regardless, the video is saved in a standard AVI video format which can be played in almost all video players. The most common video player is Windows Media Player. If using Windows Media Player, you may enjoy the ability to ‘speed up’ or ‘slow down’ the video playback. To do this, with the video file open in playback mode:
Right Click on Video --> Select Enhancements --> Select Play Speed Settings.

If you want more advanced playback features, feel free to visit www.primos.com for other video player recommendations.
Other Accessories
1. Padlock for door latch to prevent tampering camera settings or memory
2. Locking Security Cable to run through case and around tree. Accepts 5/16” Master Lock® Python™ Adjustable Locking Cable is convenient and highly recommended.
CUSTOMER SERVICE & WARRANTY

WARRANTY
You MUST register your PROOF® Cam online within (30) days of receipt to receive the 1 Year warranty AND present a “Proof of Purchase” to receive warranty protection. If neither of these are presentable, we will not replace your item.

Up to 1 YEAR LIMITED WARRANTY
Primos® Hunting (“Primos”) warrants the PROOF® Cam to be free from defects in workmanship and materials, under normal use and conditions, for the time periods and terms as set forth below. According to this Limited Warranty Primos® will, at its discretion, (a) repair the production using new or refurbished parts or (b) replace the product with a new or refurbished product (product that has been returned to its original specifications). In the event of a defect, these are the exclusive remedies available to the original consumer purchaser only and is not assignable or transferable.

Terms: You must register your PROOF® Cam and keep the “Proof of Purchase” to receive warranty protection.

**Go online to www.primos.com/registration and complete the Online Registration. You have 1 month from date of purchase to register your PROOF® Cam online.**

** visit primos.zendesk.com for FAQ, PDF manuals & camera support

Limitations: This warranty is valid only if the product is used for the purpose for which it was designed. It does not cover: 1) products which have been damaged by negligence/misuse (including, but not limited to, improper storage, battery leakage and water damage caused by submersion), accident or which have been modified or repaired by unauthorized persons; 2) cracked or broken housing of units damaged by excess heat or impact/force; 3) damage caused by wild animals 4) the cost of shipping this product to the factory for service and its return to you.

Instructions:
In the event warranty service is needed, please contact Primos® Customer Service (service@primos.com) or call 1-800-523-2395 to obtain return information.

1. Remove SD memory card and batteries from product and pack in well-padded or highly protective box. Primos® Hunting will NOT be responsible for damage incurred in returning product for repair.
2. Include Return Form and “Proof of Purchase” in with return.
3. Send product prepaid to: Primos Camera Returns/Repair
   Attn: Lab Repair
   9200 Cody
   Overland Park, KS 66214
FCC STATEMENT

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

DISCLAIMERS

Primos® makes no representations or warranties, either expressed or implied, by or concerning any content of these written materials or software, or for damages resulting from the use of the information contained therein. Primos® reserves the right to alter the features and contents of this publication, hardware or software without obligation or advance notice.

Warranty does not extend to any accessories used with the camera.
Primos® is not responsible if you use the PROOF® Cam for illegal purposes.
Primos® shall not be obligated to perform preventative maintenance, installation, deinstallation, or maintenance.
The illustrations in this manual are for instructional purposes only and may not represent actual product exactly.
Online Support

Visit www.primos.com for instructional videos

Please contact the Primos® Customer Service Team with any comments, questions, problems or return requests. Call (601) 879-9323 or email service@primos.com.