RapidFire™, Security Series Camera Instruction Manual

Table of Contents

Camera Overview

Congratulations on purchasing a RECONYX Security camera. RECONYX has been the leader in portable automatic motion sensing cameras since 2003. Your RapidFire™ camera includes a state-of-the-art digital camera, an integrated Passive Infrared (PIR) motion detector, and a night time infrared illuminator all contained in a secure, rugged, and weather-resistant case. Our high-output covert infrared illuminator makes our cameras ideal for security applications.

The SM70 is a monochrome only camera that is optimized for capturing license plates during both daytime and nighttime.

The SC95 is a general purpose surveillance camera that takes high resolution color images by day and covert infrared by night.

Thank you for putting your trust in us!

Contents of Package:

1) RapidFire™ Security Series Camera
2) CD with: MapView Image Management Software and Security Camera Scheduling Software
3) Adjustable bungee cord for mounting camera.
4) AA->C-Cell adapters.
5) This instruction manual.

Camera Comparison

Security Series Cameras*

Cameras & Specifications	SM70 Monochrome day & Covert IR night	SC95 Color day & Covert IR night
Purpose	License Plate Capture	General Surveillance
Images	*Day and Night*: 1.3 MP or 720p monochrome images	*Day*: 3.1 MP or 1080p color images *Night*: 3.1 MP or 1080p monochrome images
InstaOn™ Trigger Speed	1/10 second	1/5 second
RapidFire™ NearVideo™	Up to 2 frames per second	Up to 1 frame per second
Capacity with 4 GB card	15,000 to 30,000 images	6,000 to 10,000 images
Range at night	Up to 35 feet: Covert	Up to 50 feet: Covert

*All Security Series cameras are High Output and must be run on either NiMH rechargable batteries or Energizer® 1.5V AA Ultimate Lithium batteries.

Note: CF cards up to 32GB may be used, but under normal use 2GB and 4GB cards are more than adequate.

MapView Professional

Included with your Security Series camera is MapView Professional - Image Management Software that offers you the ability to geographically organize and access your images. It also supports data analysis with user-defined metadata and export capabilities. The Scheduling Software (included on your CD) allows you to schedule when your Security Series Camera is active and when it is not. MapView requires a personal computer running either Windows XP® or Windows Vista®.

Battery & Memory Card Installation

Removing and Replacing the Camera's Cover

Before installing batteries or a memory card, you need to remove the camera's cover. To do this, open the clasp at the bottom of the camera using the thumb grip in the middle of the bottom edge. Then, lift the cover from the bottom, rotating it upward until you can remove it from the camera.

To replace the camera's cover, insert the cover along the bottom edge of the camera's faceplate and rotate it downward until it's flush with the camera. Snap the clasp, pressing firmly in the middle of the clasp, to secure the cover.

It's good practice to make sure the gasket and camera lenses are clean each time you open and close your camera.

Battery Specifications and Installation

Your RECONYX RapidFire™ camera runs on six C-cell batteries or 6 AA batteries (when used with AA to C Cell adapters). You can run Nickel Metal Hydride (NiMH rechargeable) or 1.5V Lithium batteries. Batteries load vertically (three on each side) into the two battery trays. *Note*: Be sure to load batteries in the proper orientation (positive end in first).

Warning! Do not mix battery types! Damage to the camera can result and your warranty will be voided if you mix battery types.

Your Security Camera includes a Covert High Output (HO) infrared illuminator. You must run with either NiMH rechargeable batteries or AA 1.5V Lithium batteries (using adapters). NiMH will run at temperatures down to -20°F or colder. Lithium batteries will run to -40°F.

Note: You can purchase 1.5V Lithium batteries and adapters as well as NiMH rechargeable batteries and chargers at www.reconyx.com.

Because camera settings, activity, and temperature all vary, it is difficult to precisely predict a camera's *run time*, the total number of images that can be taken, or the temperature at which the camera will operate on any given set of batteries. Therefore the following table shows *approximate values* to be used as a guide in determining what type of batteries will best suit your needs.

Battery Type	**Operating Temperature**	**Run Time**	**Number of Images**
C-Cell Nickel-Metal Hydride (rechargeable)	-20° F (-29° C) and above	*4 – 8 weeks	*7,500 to 10,000
AA Energizer Ultimate Lithium (1.5V)	-40° F (-40° C) and above	8 – 12 weeks	12,500 to 17,500

*High temperatures can reduce the run time of NiMH batteries by 50% or more.

TIP: AA batteries can also be used in your RapidFire camera – provided you use AA to C-Cell battery adapters (available at www.reconyx.com).

CompactFlash® (CF) Card Specifications and Installation

The CompactFlash (CF) card is used to store the pictures your camera captures. These images may be transferred to your computer using standard image viewing software or RECONYX MapView image management software.

Inserting and Removing the CompactFlash Card

Insert CF card as shown. Make sure the orientation is correct and that the card is aligned properly. Then press gently to seat the card in the holder.

To change CF cards in the field:

1. Press <OK> to disarm (the camera will then show status – i.e. battery status and number of pictures since last armed)
2. Turn the power off.
3. Remove the card by pulling it straight out of the receiver port.
4. Insert the new CompactFlash card into the receiver slot under the control buttons as shown.
5. The card must be inserted face up with the connecting ports in first.

Note: Always disarm (by pressing OK) and turn the power off before removing or inserting the CompactFlash card.

CompactFlash cards have various speeds and capacities. Larger capacity cards are capable of storing more images. The following table shows approximate number of images for a 4GB CF card. Your RapidFire camera will take cards up to 32GB, but most users will find 2GB and 4GB cards to be more than adequate for normal use.

Camera / Capacity	SM70	SC95
Capacity with 4 GB card	15,000 to 30,000 images	6,000 to 10,000 images

TIP: We recommend that you purchase two CF cards per camera so that you can swap cards in the field. SanDisk cards have worked well for us. You can purchase RECONYX certified CF cards at www.reconyx.com.

Cards with higher speed ratings are capable of reading and writing images faster. This is advantageous when taking RapidFire™ NearVideo™ sequences of images.

When running your SM70 Security Camera for license plate capture, it is best to use SanDisk Extreme III CF cards. This added speed gives you more images of each vehicle passing by the camera.

CompactFlash Card - File System Requirements

If you have a new card that does not seem to work, or you formatted the card in another device, you may have to re-format your CF Card. This can be done with the included BuckView/MapView software or with any Windows Operating System. Your RapidFire Camera uses the FAT32 File System ***Note:*** Cards under 2GB may also be formatted using the FAT File System)

Step 1: Insert your memory card into your computer's card reader.
Step 2: Click *"Start -> My Computer"* You should see your memory card under the list of available drives. Be sure to check its contents first to make sure that you have the right drive.
Step 4: Right-click on the drive and choose *'Format'*.
Step 5: Under *"File system"* select the *"FAT32"* option then click on *'Start'*.
Step 6: Once the process is completed, take the memory card out and insert it into your Camera.

Initial Setup & Programming

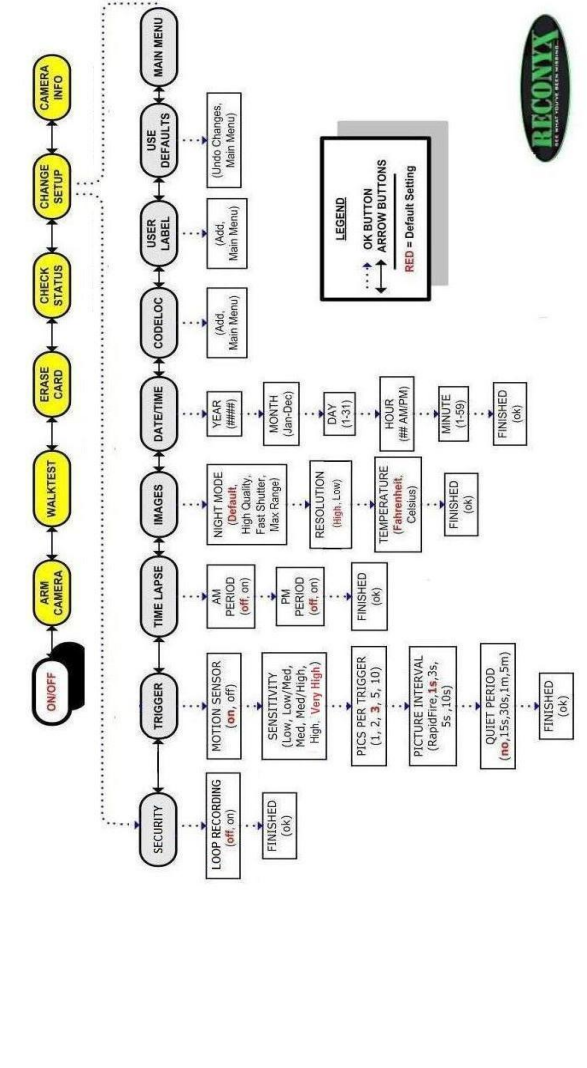
With the CF card inserted in the camera, turn your camera on using the **On/Off** switch. If this is the first time you've used your camera, it will automatically display the **Date/Time** setup change option, beginning with **Enter Year**.

Press the **<<** and **>>** buttons to set the date (year, month, and day) and time (hour and minute); press the **OK** button after each part of the date and time are correct.

Your RECONYX RapidFire™ camera comes pre-programmed with factory default settings. By default the SM70 camera runs in license plate capture mode, taking 3 pictures per trigger in RapidFire mode with no delay between triggers and exposure settings optimized for license plate capture. The SC95 defaults to 3 pictures per trigger with a 1 second pause between pictures and no delay between triggers.

If you wish to change your camera's settings you can do so easily in the field. Changes are made using the control buttons and display that are located under the **Removable Cover**. Once you make selections, they are retained by the camera – even when the camera is off and the batteries are removed – so that you don't need to make selections again unless you want to change something. If you want to schedule when your security camera is on and off, you do this using the Scheduling Software included on your CD.

RAPIDFIRE™ PROGRAMMING MENU



Your camera includes two major levels of options: **Main** menus and **Selection** options. As with the date and time, you can move through any of these menus and options by pressing the **<<** and **>>** buttons; the **>>** button displays menus and options in order, and the **<<** button reverses the order. When the menu or option you want to select is displayed, press the **OK** button.

The display area above the **<<**, **>>**, and **OK** buttons includes two lines of information. The top line generally displays the menu, setting, or option you are currently accessing; after you make a selection, it may also display additional information. The bottom line displays the available selections for the menu, setting, or option displayed in the top line. Selections you can choose from are always displayed in highlighted text, within single brackets.

You can change your camera settings any time you like, either prior to using the camera or in the field. Likewise, you can switch CompactFlash cards as needed, and check the remaining space on your CF card as well as your remaining battery power.

Main Menu

Arm Camera – When you select this option, your camera arms in ten seconds, unless you cancel it before the countdown is complete. If you forget to arm the camera it will automatically arm itself after 2 minutes.

WalkTest – When you select this option, your camera flashes an indicator light so that you can test its aim by walking in front of it. The WalkTest mode

shows you exactly where the camera's active motion detection zones are located. The tilt of the camera is critical, as slight changes are magnified at greater distances from the camera. The camera will arm itself if left in WalkTest mode (after 2 minutes with no triggering events). This allows you to set the camera up, check its aim using WalkTest, and then just walk away.

Erase Card – When you select this option, your camera wipes your entire CF card clean, removing all images and other information from the card. You should ***not*** select **Erase Card** unless you are absolutely certain you want to remove everything from the card.

Check Status – When you select this option, your camera displays the number of pictures it has taken, the percent of space remaining on your CF card, and the percent of battery power remaining.

Camera Info – When you select this option, your camera displays its firmware version number (V) and serial number (S). You may need this information when contacting RECONYX with questions about your camera.

Change Setup – Allows you to change the way your camera functions. Note: default settings are shown in **RED CAPITAL** letters. Security series cameras can also be scheduled using the Scheduling Software on your PC (see additional notes below).

Security – Use this option to turn Loop Recording on and **OFF**. Loop Recording allows you to run perpetually without ever filling a memory card. The camera will overwrite the oldest images once it reaches the point where it either getting close to 9,999 images or it is filling the card, whichever comes first.

Note: 2GB or larger cards are required when using loop recording. The camera will not arm with Loop Recording "ON" unless you have at least 2GB free.

Trigger – Use this option to turn your camera's motion sensor on or off, select the sensitivity level of the PIR motion detector, set how many photos you want your camera to take per trigger, the interval between pictures, and the quiet period (the time period after a trigger during which the camera will not respond to motion events).

1. **Motion Sensor** – **ON**, off
2. **Sensitivity** - low, low/medium, medium, medium/high, High, or **VERY HIGH**
3. **Pics Per Trigger** – 1, 2, **3**, 5, or 10
4. **Picture Interval** – RapidFire, **1 SEC**, 3 sec, 5 sec, or 10 sec (SM70 defaults to **RapidFire** interval)
5. **Quiet Period** – **NO DELAY**, 15 sec, 30 sec, 1 min, or 5 min

Note: You can use the Scheduling Software to schedule which days of the week and times of day when you want the camera to respond to trigger events. Refer to the Scheduling Software Help file for more information.

Time Lapse – Use this option to control your cameras time lapse photography, select the starting and ending times, and the interval between pictures taken.

1. **AM Period** – on, **OFF**
2. **PM Period** – on, **OFF**
3. **Time Lapse starting and ending times** – one hour increments
4. **Interval between pictures** – 1, 5, 15, or 30 minutes, 1 hour

Note: Time Lapse functionality can also be scheduled using the Scheduling Software.

Images – Use this option to adjust the night time exposure, set the resolution, and the temperature scale.

- **Night Mode** – **DEFAULT**, high quality, fast shutter, Max Range (Do not change this setting when using for license plate capture)
    i. Default - best combination to balance image quality, shutter speed and flash range
    ii. High Quality - higher quality images, reduced flash range
    iii. Fast Shutter - reduced motion blur, reduced flash range
    iv. Max Range – increased range, reduced image quality

- **Resolution** – On SM70 (**LOW**, High); On SC95 (**3.1MP**, 1080p) (Do not change this setting when using for license plate capture)
- **Temperature Scale** – **FAHRENHEIT**, Celsius

Date/Time – Used to set date and time.

CodeLoc™ – Use this option to add a four-digit security code to prevent unauthorized use of your camera, or change or remove an existing code.

User Label – Use this option to add a label (up to 16 characters) that will be included with all photos taken by your camera. You can also view, change, or clear an existing label.

Use Defaults – Use this option to remove any changes you've made to your camera's settings and restore the factory default settings (shown above in **RED CAPITAL** letters).

Main Menu – Use this option to switch back to the **Main** menu options; see preceding page for more information.

Scheduling RapidFire Security Series Cameras

You can schedule your security camera to be "On" and "Off" during different times of the day on different days of the week. These settings are available through the Scheduling Software that is included on the CD you received with your camera. The Help file, accessible with the (?), in the Scheduling Software explains your options for scheduling in more detail.

When you schedule your Security camera using your PC, the camera will display "SAVED SCHEDULE" when you switch the camera on with CF card that contains the Scheduling file inserted. The camera will remember these settings even when shut off, so you do not need to reconfigure the camera unless you want to change its behavior.

Note: If you have scheduled your camera from your PC it will say "USING SCHEDULE" when you turn it on. If you go back to Default settings in the Change Setup menu, your schedule will be wiped out and the camera will be "On" all the time. If you want to re-schedule, you will need to do this again on your PC.

Mounting & Aiming Your Camera

Your RECONYX RapidFire™ camera can be mounted to a RECONYX VersaMount™ (see www.reconyx.com for more information) or a camera tripod by utilizing the threaded insert on the back of the camera housing.

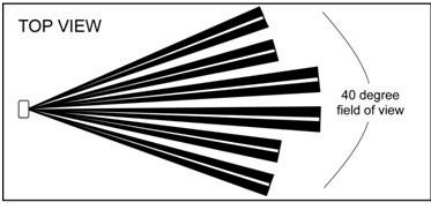
It may also be mounted to a tree by using the included adjustable bungee cord (shown below). **It is highly recommended that you use a theft deterrent device** such as a cable and lock to help secure your camera against possible theft when it is in the field. Theft deterrent cables and locks are available from RECONYX (see www.reconyx.com to order).

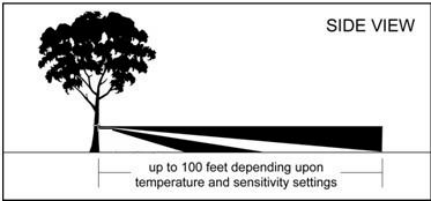
Mounting Camera with Adjustable Bungee Cord (included)

TIP: For general surveillance we recommend that you mount your camera about chest height. This is optimal for detecting people within the field of view of the camera as well as for accessing the camera's card, batteries, and controls. If you are concerned about someone seeing the camera during daylight hours, you can mount the camera a bit higher and angle it down a little more. Most people do not often look up and therefore are less likely to notice the camera if it is mounted a few feet higher.

Aiming the Camera

PIR MOTION DETECTOR COVERAGE AREA





Walktest Mode

Learning to use the Walktest mode is critical to being as successful as possible with your RECONYX camera. The Walktest mode allows you to precisely determine your camera's active motion detection zones – insuring your camera is aimed exactly where you want to capture human activity.

All RECONYX cameras will self-arm from Walktest mode after a 2 minute period during which they do not detect motion.

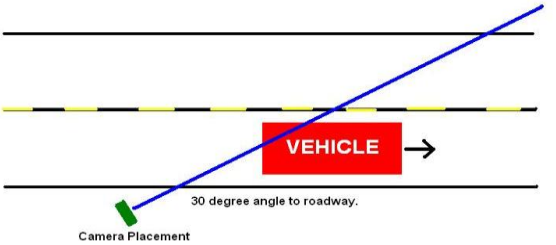
Aiming your SM70 Security Camera for License Plate Capture

The SM70 is designed to capture license plates effectively during both daytime and nighttime when run in default mode.

For best results you want to position the camera close to the edge of a road looking down-stream (i.e. the camera will be looking at the back end of cars

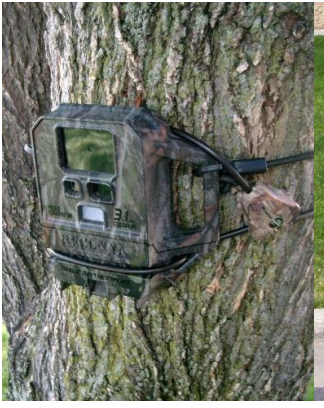
passing in the close lane). Cars should be travelling at no more than 25 miles per hour if you want to reliably capture plates.

For best results the camera should be mounted about 24-30 inches high and have it aimed approximately 30 degrees off of parallel. The diagram below shows how you should set-up your camera. After setting your camera up, it is best to drive by yourself at various speeds to see how your camera will react to a moving vehicle. You may find that you need to adjust your aim slightly after testing.



We also offer a modified Cable Box for use in camouflaging your camera in urban/suburban settings when setting up to capture license plates.

Locking & Securing your Camera (Accessories not included)



Python™ style lock

RapidFire Cable Box

Heavy Duty Bear Box

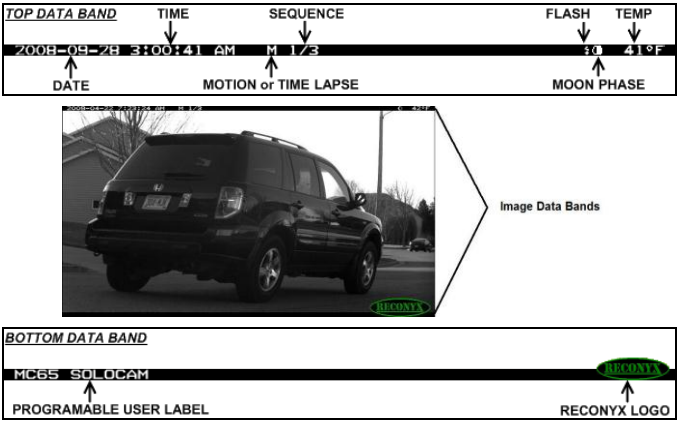
RapidFire Utility Box

RECONYX sells an array of accessories for securing your camera and protecting your investment. From Heavy Duty bear boxes to Python locks. Please see www.reconyx.com for more on security accessories.

General Information

Image Data

Your RECONYX RapidFire™ camera stores Image Data along with every picture it takes. Some of this information is displayed in *Image Data bands* above and below the image.



An **M** or **T** in the top data band indicates a "motion" or "time-lapse" event.

"**1/3**" indicates the first in a sequence of three pictures for that event.

Moon Phases displayed include: (new moon), (waxing crescent), (first quarter), (waxing gibbous), (full moon), (waning gibbous), (last quarter), and (waning crescent).

A "flash" indicator appears in the Image Data bands, when the infrared illuminator is used.

There is additional image data accessible using MapView. The additional image data includes serial number, firmware version info, illuminator status, battery voltage and so on.

Troubleshooting

For answers to questions about your RECONYX RapidFire™ camera that you cannot find in this *Instruction Manual*, please check the RECONYX web site (www.reconyx.com).

Firmware Updates

You should also periodically check the RECONYX web site for firmware updates for your camera. We periodically release firmware updates with new features and/or performance enhancements. Updating firmware on the RapidFire series cameras takes just a few seconds, and is well worth the effort to ensure your camera is performing at the highest level possible.

Troubleshooting your camera

Limited Night Time Range

If your night time range is less than expected, the first thing to do is change your camera's night mode image setting to Max Range. Our specified night range values are based on the Max Range setting. If this doesn't resolve the problem, then try running either NiMH rechargeable batteries, or Energizer 1.5V AA Ultimate Lithium batteries. Alkaline batteries cannot deliver enough amperage to power the illuminator consistently at night.

The physical camera setup is also important in getting good night time images. If you aim the camera out over an open field where there is nothing within range to reflect the InfraRed energy back toward the camera, the images will appear very dark (like shining a flashlight into outer space). The best night time images will be captured when you have a backdrop of some sort that will reflect energy back toward the camera (e.g. trees, tall grass, fence, building, hillside, etc).

Focus Problems

If your images appear cloudy or out of focus, first consider whether there was snow or frost on the camera lens; you may wish to check your camera after a fresh snowfall to be sure the lenses are not covered with snow. Next, check the lenses for dirt and water spots, and gently clean your lenses with a

clean soft cloth and lens cleaner. Image clarity can also be adversely affected by very high temperatures, so it is a good idea to mount your camera where it will not be getting direct sunlight during the heat of the day.

If you find that you are having issues with condensation inside the camera, you can use desiccant packs to absorb any moisture that is in the air that gets trapped inside the camera. Rechargeable desiccant packs are available on our web site (www.reconyx.com).

False Triggers

If you seem to be getting false triggers, the first thing to do is put your camera back to default settings and try your camera again. This will ensure that you are running with known settings – with the motion detector ON at HIGH sensitivity and with Time-Lapse turned OFF.

If, after going back to default setting, you still seem to be getting false triggers, check the physical setup of your camera: the sun should not be shining directly on the face of the camera, and the camera's field of view should be cleared of as much vegetation as possible. False triggers most often occur on sunny, breezy days. Vegetation will soak up the sun's energy and it will become warmer than the ambient air temperature. Then, when the wind moves the vegetation, the camera sees this and cannot distinguish it from a warm-blooded person or vehicle moving in the scene. For this reason, careful placement and setup of your camera helps prevent false triggers.

Only as a LAST resort should you turn down your camera's motion sensitivity. This reduces your ability to detect movement of people, especially during the summer.

Camera Not Triggering

The first thing to do is put the camera back to Default settings and try your camera again. This will ensure that you are running with known settings – it will turn the motion detector ON at HIGH sensitivity. This is important, especially in the warmer months, because as the background temperature approaches body temperature, the strength of the signal decreases and the range goes down accordingly.

If, after going back to default settings, you are still having trouble, please refer to pages 15 and 16 for detailed information on Mounting and Aiming Your Camera, as well as using the WalkTest mode.

It is important to keep in mind that there are other factors that can affect the ability of your camera to detect motion. Wind can have a detrimental effect. Body heat from a person can be quickly dispersed on a breezy day, making it more difficult for the camera to detect the person. Also, movement directly toward and away from the camera is less likely to trigger the camera than side-to-side movement. And, finally, if a person is moving very slowly, it will sometimes not produce a strong enough signal within the sensor to trigger the camera.

CF Card Problems

If your camera won't start up properly and/or displays a CF card error, try a different CF card. If the problem persists, you may have to try a different brand of CF card. We have found that some of the cheap CF cards are very slow (even if they say they are fast) and do not always run well in our camera. SanDisk® CF cards are the RECONYX recommended brand for use with your camera. ***Note*:** All CF cards should be formatted with the FAT32 File System for use in your camera. (See "CompactFlash Card File System Requirements" for further information.)

Cold Weather Problems

If your camera shuts down in the cold, it may be too cold for the batteries. Refer to the battery chart on page 6 of this manual for recommended operating temperatures for various battery types. Alkaline batteries do not run well in the cold and should not be used in your Security camera at any time due to their poor overall performance.

Batteries Life Less than Expected

NiMH batteries have decreased life in hot weather. They will run the camera, but they will have decreased run time. It is not unusual to see battery life drop 50% or more when daytime temperatures are in the 90s or higher. This will not damage your NiMH batteries, their charge just runs down faster.

Other Battery Questions

If you charged your NiMH batteries and they only read in the 83% - 88% range, it is because rechargeable batteries do not reach a full 1.5 volts - even when fully charged. This is normal. NiMH batteries have a very flat discharge curve. What this means is they run a long time without dropping much in voltage until they reach a point, around the fifty to sixty percent level, where they will drop off very quickly. For this reason it is good to recharge your NiMH batteries when they get down into the sixty percent range.

With our High Output illuminators in our Security Cameras, even brand new AA Ultimate Lithium batteries may only read in the 90%-95% range. This is normal.

Other

If you have read this manual and checked our web site, and you still need assistance, please contact us at 866-493-6064 or e-mail us at support@reconyx.com.

Warranty, FCC, and Safety Information

Limited Warranty

RECONYX hardware products are warranted for one (1) year. If during this period, through normal use, a hardware product becomes defective due to defects in materials or workmanship, RECONYX will either repair or replace the product. This warranty is void if a product failure results from accident, abuse, improper use by Buyer, disassembly, or unauthorized maintenance and repair.

Software products are licensed to Buyer under the terms of the applicable RECONYX software license (contained within installation programs). If Buyer wishes to review the software license agreement before purchasing products from RECONYX, a copy of the software license may be obtained by request.

Buyer must obtain a Return Material Authorization (RMA) number from RECONYX before returning any product(s) for repair or replacement. If RECONYX concludes that a returned product is not defective, Buyer will be notified, the product will be returned to Buyer at Buyer's expense, and Buyer may be charged for RECONYX's examination and testing of the product.

This limited warranty is the sole warranty for hardware and software products offered by RECONYX and RECONYX shall not be liable for any amounts for said products except in compliance with this warranty.

FCC Certification

This device complies with part 15 of the FCC Rules. Operation is subject to the following 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.

Safety Precautions

Before using the camera, please ensure that you read and understand the following safety precautions. Always ensure that the camera is operated correctly.

The safety precautions noted in this guide are intended to instruct you in the safe and correct operation of the camera and its accessories to prevent injuries or damage to yourself, other persons, and equipment.

Preventing Malfunction

Avoid Strong Magnetic Fields

Never place the camera in close proximity to electric motors or other equipment generating strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunctions or corrupt image data.

Avoid Condensation

Moving the camera rapidly between hot and cold temperatures may cause condensation (water droplets) to form on its external and internal surfaces. You can avoid this by placing the camera in an airtight, re-sealable plastic bag and letting it adjust to temperature changes slowly before removing it from the bag.

If Condensation Forms Inside the Camera

Stop using the camera immediately if you detect condensation inside the camera. Continued use may damage the camera. Remove the CF card and batteries from the camera and wait until the moisture evaporates completely before resuming use.

Warnings

- Store this equipment out of the reach of children and infants. Accidental damage to the camera or batteries by a child could result in serious injury.
- Be particularly careful to keep the date (coin) battery used in the camera away from children. Seek medical assistance immediately if a child swallows a battery.
- Do not allow water or other liquids to enter the interior of the camera. The interior has not been waterproofed. If the exterior comes into contact with liquids or salt air, wipe it dry with a soft, absorbent cloth. In the event that water or other foreign substances enter the interior, immediately turn the camera's power off and remove the camera batteries. Continued use of the equipment may result in fire or electrical shock. Please consult your camera distributor or the closest RECONYX Customer Support Help Desk.
- Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock, or other hazards. Use only the recommended power accessories. Any use of non-RECONYX power sources will void the warranty on your camera.
- Do not mix battery types. You may run your camera on Alkaline, Lithium (Pro model only!), or Nickel Metal Hydride (NiMH), but you should NEVER MIX BATTERY TYPES! Damage to the camera can result and your warranty will be voided if you do so.

- Do not place the batteries near a heat source, expose them to direct flame or heat, or immerse them in water. Such exposure may damage the batteries and lead to the leakage of corrosive liquids, fire, electrical shock, explosion, or serious injury.
- Do not attempt to disassemble, alter, or apply heat to the batteries. There is serious risk of injury due to an explosion. Immediately flush with water any area of the body or clothing that comes into contact with the inner contents of a battery. If the eyes or mouth contact these substances, immediately flush with water and seek medical assistance.
- Avoid dropping or subjecting the batteries to severe impacts that could damage the casings. It could lead to leakage and injury.
- Do not short-circuit the battery terminals with metallic objects, such as key holders. It could lead to overheating, burns, and other injuries.
- Use of batteries not expressly recommended for this equipment may cause explosions or leaks, resulting in fire, injury, and damage to the surroundings. Use only recommended batteries and accessories.
- Avoid using, placing, or storing the equipment in places subject to strong sunlight or high temperatures, such as the dashboard or trunk (boot) of a car. Exposure to intense sunlight and heat may cause the batteries to leak, overheat or explode, resulting in fire, burns or other injuries. High temperatures may also cause deformation of the casing.
- Do not subject the camera to strong impacts or shocks that could lead to injury or damage the equipment.
- When using desiccant, the following precautions should be followed: Keep out of reach of children, do not eat, and do not inhale desiccant dust. If the desiccant packet tears or breaks, wash your hands if they come in direct contact with the desiccant. Desiccant may cause eye, skin, and mucous membrane irritation. Prolonged inhalation may cause lung damage. Asthma can be aggravated by exposure to desiccant.
- If you know or suspect desiccant has been ingested, seek medical assistance for further treatment, observation, and support if necessary. For eye contact, flush with water for at least 15 minutes. For skin contact, wash affected area with soap and water. For inhalation of desiccant dust, move affected person into an environment with fresh air. For accidental ingestion, drink at least two glasses of water.
- Check your state/local laws concerning the use of this product.

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