Roscoby™
RISER CAM™

USERS MANUAL

We got your shot!

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Roscoby™
RISER CAM

Dear Customer,

Congratulations on your purchase of the Roscoby Riser Cam.

The Roscoby Riser Cam is the world's first integrated Camcorder/Stabilizer specifically designed and engineered for the bowhunter's use in the field. Roscoby allows you to record action footage while bowhunting as well as during practice sessions, league participation or any other video footage you may choose to record.

We recommend parents help their children to properly install and use the Roscoby Riser Cam. Similarly, children may end up helping their parents with video sharing and editing footage.

Safety is of the utmost concern at RiserCam, LLC. Please use the proper precautions when using the Roscoby Riser Cam in any manner or location.

This manual has been designed for ease of use. While general product use and information is covered herein, we encourage you to visit our website, www.roscoby.com to review more detailed information and our extensive FAQ section.

Roscoby, Roscoby Riser Cam, Riser Cam and associated trademarks and trade dress are owned by RiserCam, LLC.

IMPORTANT NOTES

- Children should always be supervised by an adult.
- The Roscoby, although durable, is not shock-proof.
- The Roscoby is highly water resistant, not waterproof.
- Avoid leaving the camera in places subject to extremely high temperatures and wet, damp or dusty conditions for extended periods of time. These conditions may affect the camera housing and internal components, which may result in camera malfunction, fire or electrical shock.
- We recommend using Energizer e2 Lithium batteries.
- We recommend using SanDisk brand SD cards.
- Be sure to turn the camera off prior to the removal or insertion of the batteries or SD card.
- Improper removal of the SD card may result in lost or damaged data. Re-formatting of the SD card may be required. Visit our website for details if this should occur.
- Use the lens cloth provided to clean the lens cover. Damage to the lens cover will adversely affect video quality.
- Be sure to remove the batteries and SD card when storing the camera for extended periods of time.
- Store your Roscoby in a clean, dry place and use the provided storage pouch to protect the camera when not in use.
- Periodically lubricate the O-rings with a silicone lubricant to ensure and extend the life of the camera.
- In the event of physical damage to the housing of your Roscoby, or product malfunction due to water entering the electronics compartment causing product malfunction, have the unit repaired by Riser Cam, LLC.

O P E R A T I N G   N O T E S

Batteries: We recommend using Energizer e2 Lithium Batteries in the Roscoby Riser Cam. Our extensive testing has shown these batteries to withstand the rigors of field use. They provide longer life, better performance, and are highly shock resistant.

SD Card: We recommend using SanDisk brand SD cards in the Roscoby Riser Cam. Our extensive testing has proven these cards to withstand the rigors of field use as they are highly shock resistant.

Note: Using batteries and SD cards other than those mentioned above may provide less than desirable results.

PC Playback: Not all PC's will be able to play the latest video format, MPEG-4. A codec (software patch) from the fine people at XviD.org is available on the Roscoby. It is also available on our website: www.roscoby.com. If you experience any difficulty playing your video clips on your PC, please visit our website and follow the instructions for downloading and installing the new codec. It will take less than 5 minutes to complete the process so you can begin viewing your video clips.

Notes on Copyright: The transfer of memory containing photos or data protected under copyright laws is only permissible with the restrictions imposed. Users assume all responsibility in the event that copyright laws are violated by the use of this camera.

Energizer, SanDisk and XviD and associated trademarks and trade dress are owned by their respective owners.

O P E R A T I N G   N O T E S

Shock Resistant Feature: While highly shock resistant, the Roscoby Riser Cam is NOT shock-proof. The camera has been engineered to resist the forces created while shooting bows manufactured for the sport of archery. As with any piece of quality electronics, it should never be used in a manner inconsistent with its design.

Water Resistant Feature: While highly water resistant, the Roscoby Riser Cam is NOT waterproof and cannot be used under water. The camera will not be damaged by use in the field during wet conditions providing the Main Housing is properly sealed. Please review the "Camera Operations" portion of this manual for proper use. If the camera gets wet, wipe it dry as soon as safely possible.
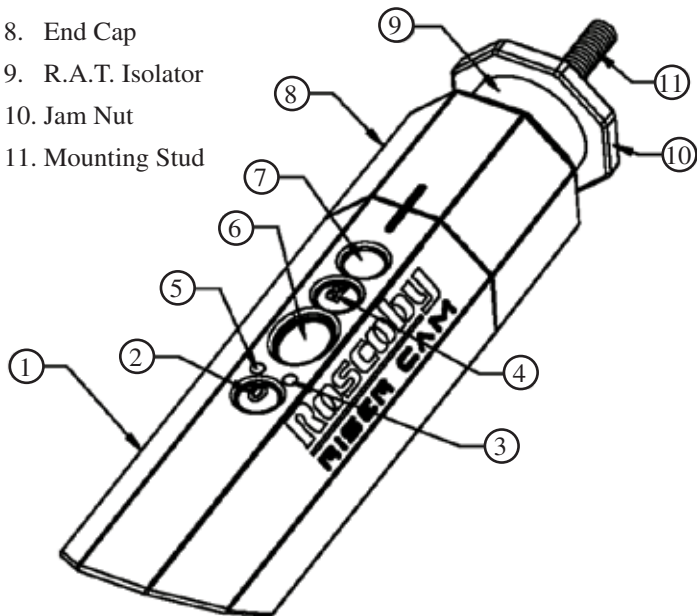
Note: *The Camera should never be submerged under water. RiserCam, LLC, assumes no responsibility for malfunction of the camera caused by water getting inside the housing as a result of misuse by the user.*

Note: *If moisture enters the Main Housing, remove the batteries and allow the unit to air dry naturally for an extended period of time before re-inserting the batteries. Never use a heat source to dry the camera as it will damage the unit permanently.*

Disclaimer: RiserCam, LLC, will not, under any circumstances be responsible for injuries or property damage incurred through the use of this camera. It is the responsibility of the user to exercise proper safety precautions at all times during participation of any high risk sport or activity. Camera malfunction will not be warranted except for manufacturing defects.
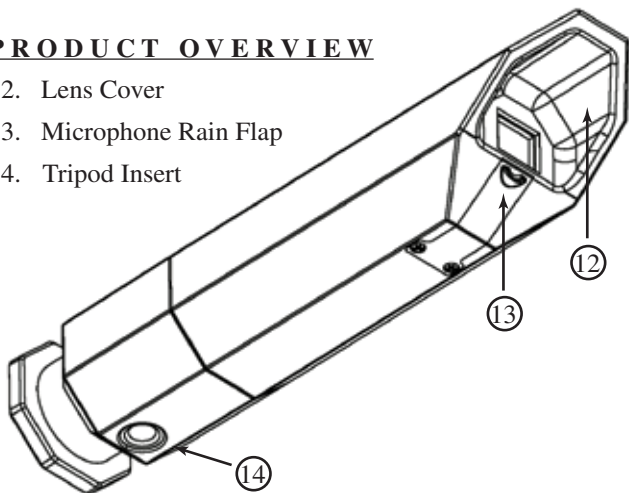
PRODUCT OVERVIEW

1. Main Camera Housing
2. Power "ON" / "OFF" Button
3. Green LED Power Indicator
4. Record "ON" / "OFF" Button
5. Red LED Record Indicator
6. LCD Time Indicator
7. Function Button
8. End Cap
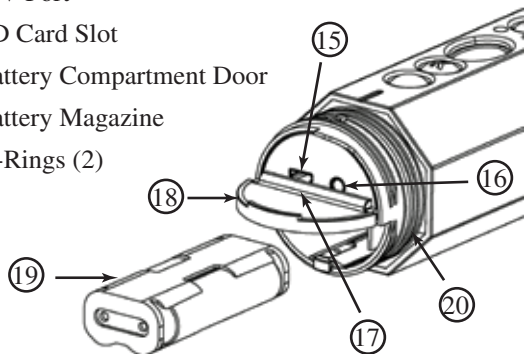9. R.A.T. Isolator
10. Jam Nut
11. Mounting Stud

PRODUCT OVERVIEW

12. Lens Cover
13. Microphone Rain Flap
14. Tripod Insert

15. Mini USB Port
16. A/V Port
17. SD Card Slot
18. Battery Compartment Door
19. Battery Magazine
20. O-Rings (2)

Q U I C K S T A R T G U I D E

This Quick Start Guide is designed to give you a brief outline of the Roscoby Riser Cam and its features. Please take the time to read the entire Users Manual to fully understand the camera and its functions prior to its use in the field.

Opening / Closing the Main Housing: It takes 2 complete revolutions to remove or install the End Cap from the Main Housing. Use care when twisting on the cap to insure proper installation and avoid accidental cross threading.

Battery Removal / Installation: With the End Cap removed, push down on the Battery Compartment Door and rotate up to expose the Battery Magazine. Tip the camera slightly and the Magazine will slide out. Properly install 2-AA Energizer e2 Lithium batteries into the Battery Magazine and slide it back into the compartment. Rotate the door down, over the Catch mechanism and push up until it is locked into position.
2 Battery Magazines (one spare) are included with the Roscoby.

SD Card Installation: With the Roscoby powered "OFF" and the End Cap removed, push the Battery Compartment Door down to expose the SD Card Slot. Carefully and properly insert the SD card and press until it "clicks" into the locked position. Push the Battery Compartment Door up until it is locked into position.

SD Card Removal: With the Roscoby powered "OFF" and the End Cap removed, push the Battery Compartment Door down to expose the SD Card Slot. Gently push on the back of the card until it is released from the card holder and carefully remove the card. Push the Battery Compartment Door up until it is locked into position.

Q U I C K   S T A R T   G U I D E

Turning the Camera "ON":   Press and hold the "O" button for 3 full seconds. The Green LED will light up, indicating that the camera is "ON" and in Standby Mode.

Turning the Camera "OFF":   Press and hold the "O" button for 3 full seconds. The Green LED will turn off, indicating the camera is "Off". The camera will also power "OFF" by itself if the batteries run out of power.

Recording Video Footage: With the Roscoby powered "ON" and in the Standby Mode, press the "R" button to begin recording. The Red LED will light up, indicating that the camera is recording. To end a recording session, press again on the "R" button and the Red LED will turn "OFF" indicating that recording has ended.

Note: *In order to properly save a video clip, you must cycle through the Record Mode, starting and stopping the recording session.*

Note: *See Detailed Notes regarding battery and SD card limitations, durations and related LED indicators on Pages 15 and 16 of this Users Manual.*

Recording Sound: The Roscoby Riser Cam comes with a microphone and has a 3.5mm jack located directly under the front lens of the camera. Gently pull down on the leading edge of the Rain Flap to expose the port and insert the microphone to record sound. When removing the microphone from the camera, be sure to re-insert the plug of the Rain Flap to properly seal the opening. No sound is recorded unless the microphone is plugged into the camera.

D E T A I L E D   U S E   I N S T R U C T I O N S

The Roscoby Riser Cam is designed specifically for archery use. You'll find it's operation to be easy and intuitive. The following pages will cover camera use and function in more detail.

Main Housing and End Cap Assembly: The Camera should *always* be connected to the End Cap to insure that dust and moisture do not enter the housing and damage the electronics. In addition, be sure the Rain Flap is inserted into the microphone port.

Press the End Cap onto the Main Housing and slowly twist the cap counterclockwise until you hear a soft "click." At this point the threads are properly aligned. You can now twist the End Cap clockwise 2 full revolutions until it comes to a stop. Turn slowly so as not to cross thread the cap onto the Housing.
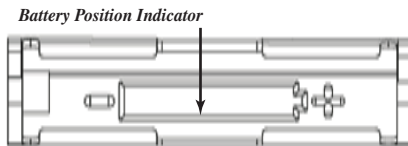
When the cap is tight and properly installed you will notice the embossed notch in the Camera Housing and End Cap will be perfectly aligned at the top of the camera.

To Remove the End Cap from the Main Housing, grasp the cap and twist counter-clockwise 2 revolutions. This will expose the Battery Compartment Door, SD card slot, USB and A/V cable ports.
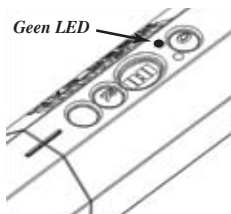
Battery Compartment Door: To open the Battery Compartment Door, press down on the door to release it from the Catch mechanism. The door will rotate up and expose the Battery Magazine. To close the door, rotate down until the door closes over the Catch and push up to lock the door into place.

Battery Magazine: The Battery Magazine holds 2AA batteries (not included). Make note of the embossed images inside the magazine to insure proper battery orientation. With the Battery Compartment Door in the open position, insert the magazine into the Battery

Compartment. A stop block is designed to prevent the magazine from being placed into the camera backwards. If this occurs, **DO NOT** force the magazine. Simply turn it around and it will slide easily into the Battery Compartment. *We recommend the use of Energizer e2 Lithium batteries in the Roscoby Riser Cam to insure consistent results.*
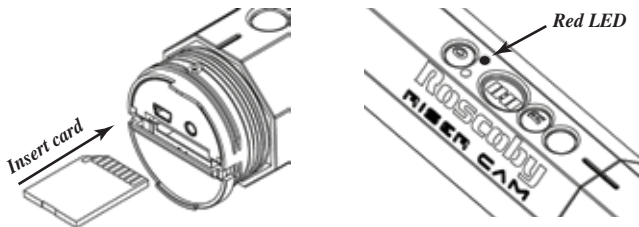
Battery Position Indicator

Geen LED

Side View of Battery Magazine

Battery Indicators / Warnings: The Roscoby Riser Cam provides visible alerts to the user to insure proper operation and timely replacement of spent batteries. The Green LED light is the indicator for battery power. When the Green LED is lit, the unit is in "Stand-By" mode. When the camera detects a loss of power that could prevent the unit from recording, the Green LED will begin to blink once every second. It is advised that the batteries be changed as quickly as practical once the LED begins to blink. Once the blinking begins, the user may have as little as 10 minutes of battery life remaining. *Please visit the FAQ section of our web site for more detailed information about the batteries and their function.*

SD Card Holder: The Roscoby Riser Cam will support SD cards up to 4GB (not included). The camera should always be powered off when removing or inserting SD cards to prevent accidental damage. With the Battery Compartment Door in the "Open" position, you may insert or remove the SD card from the camera.

The proper orientation of the SD card is with the contacts facing up. *We recommend the use of SanDisk brand SD cards in the Roscoby Riser Cam to insure consistent results.*

Memory Indicators / Warnings: The Roscoby Riser Cam provides visible alerts to the user to insure proper operation and timely replacement of SD cards as they reach full capacity. The Red LED light is the indicator for recording. When the Red LED is lit, the unit is "Recording." When the camera detects 30 minutes of record time remaining, the LED will blink once every 10 seconds. When the camera detects 15 minutes of record time remaining, the LED will blink once every 5 seconds. When the camera detects 5 minutes of record time remaining, the LED will blink once every 2 seconds. These indicators are the same for all capacities of SD cards. *Please visit the FAQ section of our web site for more detailed information about the SD cards and their function.*

Mounting Roscoby to your bow: Before attaching the camera to your bow, be sure to have a fresh SD card and batteries installed. Make sure the End Cap is properly attached to the Main Camera Housing.

Begin by tightening the Jam Nut into the Rubber Isolator. This compresses the Isolator and allows the user the opportunity to
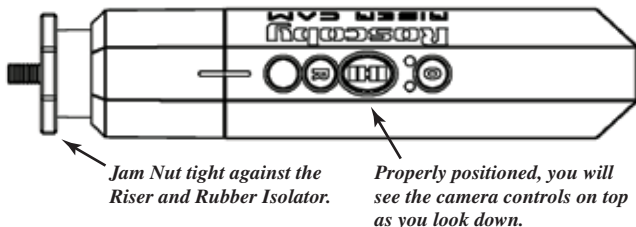
adjust the Jam Nut for fine-tuning the camera position on the bow. Each bow is unique and will require a bit of "fit and feel" testing to get the camera properly oriented on the bow.

Thread the Mounting Stud into the Stabilizer mount on the bow until it comes tight against the Riser. It is unlikely that the camera will be properly oriented on your bow. This is where the Jam Nut needs to be adjusted slightly (loosened or tightened) and the camera re-tightened back to the Riser. It may take a few attempts to adjust the Jam Nut just enough to bring the camera to almost vertical alignment on your bow.

With the camera almost vertical, use **ONLY** the Jam Nut to firmly tighten and secure the camera into place. **DO NOT** hold the camera body to tighten the unit to your bow or damage to the Mounting Stud and Isolator will occur.

Proper installation of the Roscoby Riser Cam on a bow will have the controls on top of the camera, the camera vertically aligned with the string of your bow with both the Jam Nut tight against both the Riser and the Rubber Isolator.

With the camera properly positioned and secured you are ready to get out and use the Roscoby Riser Cam in the field.

Jam Nut tight against the Riser and Rubber Isolator.

Properly positioned, you will see the camera controls on top as you look down.

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Aiming and Shooting Video: This is where the simplicity of the Roscoby Riser Cam will turn your hunt into something you've never seen before. We've designed the camera to give the user a "line of sight" camera view. At 15 yards from your target, you will have a field of view approximately 10 yards wide. This insures that whatever you see through the peep and sight of your bow will be captured in the video.

We recommend that you get outside and begin target shooting to understand the range and functions of the camera. With practice the user will develop better shooting habits and improve the quality of their recorded video.

When you are ready to view your clips, you will need to study the following pages relating to viewing clips on your TV or PC.

ADDITIONAL SD CARD INFORMATION

- Always follow proper safety precautions for use.
- Always install fresh SD cards prior to going into the field.
- The Roscoby Riser Cam supports 1GB, 2GB and 4GB SD cards.
- 1GB is equal to approximately 50 minutes of record time.
- Make sure the Write-Protect switch is not in the "Locked" position.
- SD card may be damaged if not properly inserted.
- Do not touch the metal contacts of the SD card.
- SD card and data may be damaged by moisture.
- Turn off the camera before inserting or removing a card.
- Data on the SD card may be damaged or lost if placed near strong magnets or luggage scanning equipment.
- Reformatting the SD card may be necessary if the SD card appears to have corrupted data or if so prompted by your PC.

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- Visit the FAQ section of our web site for information regarding the formatting of SD cards on your PC.
- If power is interrupted prior to completing the record cycle, the video footage may be lost.
- You can only delete files from the SD card when connected to a PC or if the SD card is plugged directly into the PC.

ADDITIONAL BATTERY INFORMATION

- Always install fresh batteries prior to going into the field.
- Do not mix old and new batteries together.
- Do not mix battery brands or types.
- Remove the batteries if the camera is not going to be used for long periods of time.
- Exhausted, damaged or leaky batteries should never be left in the camera.
- Properly install the batteries into the Battery Magazine or damage to the electronics will occur.

V I E W I N G   V I D E O   C L I P S

The Roscoby Riser Cam allows the viewing of video clips captured on the SD card, directly from the camera, through a TV or PC. You will find that viewing files on a TV is a very simple operation. Viewing files on a computer can be more challenging, depending on the age of the PC.

Connecting the Roscoby to a TV:

1. Turn off both camera and TV. Remove the End Cap.
2. Connect the camera to your TV using the A/V cable.
3. Turn on both camera and TV.
4. "TV" will appear on the LCD screen indicating proper connection.

Viewing Files on a TV: The "Clip View" mode is automatically activated when connected to a TV. In this mode you cannot record.

With the camera properly connected to your TV you will see up to 9 thumbnail images. Each image is the first frame of each clip taken with the camera. By default, the first frame of the first clip will be highlighted in bold blue.

The 3rd "Function" button on the top of the Roscoby allows you to scroll through the thumbnails. When the blue highlight surrounds the clip you wish to view, press the Record Button, "R," on the top of the Roscoby and your clip will begin to play. Pressing "R" repeatedly will pause and restart the video clips. Once the clip is finished playing, the thumbnail images will reappear on the TV screen.

If you have more than 9 clips, continue to press the "Function" button to scroll through the clips. Pressing the "Function" button while viewing a clip will take you back to the Thumbnail images.

Connecting the Roscoby to a PC:

1. Remove the End Cap. Turn the camera "ON."
2. Connect the mini-USB to the camera, the other end to your PC.
3. "PC" will appear on the LCD screen indicating proper connection.

When you connect The Roscoby Riser Cam to a PC it is seen as an external drive.

Viewing Files from Roscoby:

1. Go to "My Computer" (Windows XP) or "Computer" (Vista)
2. Double click on the "Removable Disc" icon.
3. Double click on the "DCIM" folder.
4. Double click on the "100RSCBY" folder.
5. Double click on any "RSBY" file and the media viewer will open a new window and play the video clip.

Viewing Files from a PC:

Complete Steps 1 – 3 as shown above.

4. Drag and drop the "100RSCBY" folder to your Desktop.
5. Double click on the "100RSCBY" folder.
6. Double click on any "RSBY" file and the media viewer will open a new window and play the video clip.

Once the files are on a PC they can be viewed, edited and shared with friends using standard editing software. Visit the FAQ section of our web site for tips and suggestions.

If your PC fails to play the video files, you must install the XviD Codec (software patch). The codec is provided on the internal memory of the Roscoby Riser Cam and our web site: www.roscoby.com. This procedure is explained in greater detail on pages 19 and 20.

XviD CODEC INSTALLATION

Installing the codec from the Roscoby to a PC: You **MUST** remove the SD card from the camera to execute this file transfer. Properly connect the camera to the PC and turn the camera "ON."

1. Go to "My Computer" (Windows XP) or "Computer" (Vista)
2. Double click on the "Removable Disk" icon.
3. Double click on the "XviD-CODEC" folder.
4. Double click on the "XviD-1.1.3" file.
   (In Windows Vista, click "Allow Access to the Program")
5. The "Set up Wizard" will appear, click "Next."
6. Read & Accept the License Agreement, click "Next."
7. Read XviD information and click "Next."

RiserCam, LLC. recommends that you allow XviD to select the default locations, names and Decoding Options to complete this installation.

8. Allow the default "Destination Location." Click "Next."
9. Allow the default "Menu Folder" destination. Click "Next."
10. Allow the default "Decoding Options". Click "Next."
11. At "Ready to Install," click "Install."
12. Click on "Finish" to complete and close the XviD Setup Wizard.

Your PC has now been updated to play the MPG4 video files created by your Roscoby Riser Cam. Congratulations!

If you have encountered difficulty installing the XviD codec, please go to the FAQ section of our web site: www.roscoby.com. There you will find even greater detail and explanation.

Installing the codec from the web site to a PC: This method of installing the XviD codec should be performed without the camera connected to the PC.

1. On your PC, connect to the Internet and go to www.roscoby.com
2. Click on "XviD Codec for your Media Player."
3. Click on "XviD.exe file."
4. Click on "Save File" button and save the file to your Desktop.
5. From your Desktop, Double Click on the "XviD Icon."
   (In Windows Vista, click "Allow Access to the Program")
6. The "Set up Wizard" will appear, click "Next."
7. Read & Accept the License Agreement, click "Next."
8. Read XviD information and click "Next."

RiserCam, LLC. recommends that you allow XviD to select the default locations, names and Decoding Options to complete this installation.

9. Allow the default "Destination Location." Click "Next."
10. Allow the default "Menu Folder" destination. Click "Next."
11. Allow the default "Decoding Options." Click "Next."
12. At "Ready to Install," click "Install."
13. Click on "Finish" to complete and close the XviD Setup Wizard.

Follow the directions above for proper connection to your PC or transfer of files to your PC. You may now view video clips

from the SD card located in the Roscoby Riser Cam or the files saved to your PC.

Once you are sure that the XviD codec has been successfully installed on your PC, you may delete the XviD Icon from your Desktop. The file will remain installed on your PC and continue to function properly.

T R O U B L E S H O O T I N G

Issue: The camera does not power up.

Solution: Make sure the batteries are properly installed in the Battery Magazine. Install fresh batteries. Make sure you are holding the On button, marked "O", for at least 3 seconds.

Issue: The camera will not record.

Solution: Make sure the SD card is properly inserted in the camera. The SD card may be corrupted or not properly formatted.

Issue: I can't view the clips recorded to my SD card on my TV.

Solution: Make sure all cables are properly connected and re-try.

Issue: I can't view the clips recorded to my SD card on my PC.

Solution: Make sure your PC supports the MPEG4 video format. Make sure you have properly installed the XviD codec to your PC.

Need Further Help?

If you encounter difficulties using your Roscoby Riser Cam or just want to learn more, please visit our web site: www.roscoby.com. There you will find an extensive FAQ (Frequently Asked Questions) section that covers every aspect of the camera and its use in greater detail.

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Accuracy

Every effort has been made to provide the most up to date information in this publication. However, you may not find the answer you seek or you may find an unintended error in the printing. RiserCam, LLC, stands behind its products and we encourage you to contact us at customerservice@roscoby.com and share any problems, complaints or suggestions you may have.

Thank you.

Fcc Compliance

The digital video cameras complies with Part 15 of the FCC Rules, Operation is subject to the following two comditions: 1) This device may not cause harmful interference, and 2) this device must accept any interference recieved, including interference that may cause undesired operation.

Important: Changes or modifications to this product not authorized by RiserCam, LLC. could void the Fcc compliance and negate your authority to operate the product.

NOTES AND TIPS

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TECHNICAL SPECIFICATIONS

- Sensor Resolution: 640 x 480 pixels (VGA)
- Movie Storage: 640 x 480 @ up to 30 frames per second.
- Movie Images: AVI with MPEG4 Compression.
- Built-in Memory: 64 MB (approx. 2 mins. of record time)
- SD Card Drive supports up to 4 GB card (not included)
- File Format Interface: USB 2.0
- Focus Fixed Range: 2 yards ~ Infinity (best @ 5-30 yds.)
- LCD Memory Status Indicator: 4 digits (00:00 ~ hrs:mins)
- Green LED Power Indicator (with capacity alerts)
- Red LED Record Indicator (with capacity alerts)
- Ambient Light operations to 5 LUX.
- 3.5mm microphone jack (microphone is included)
- Battery Requirements: 2AA (Energizer e2 Lithium)
- Operating System: Windows XP / Vista
- Patent Pending. All trademarks apply.

COMPUTER REQUIREMENTS

Minimum System Requirements
- Pentium III; 800 MHz or higher.
- Windows XP / Windows Vista.
- 128 MB Ram
- SVGA 800 x 600 resolution support (32 bit)
- 16 bit Windows compatible sound device.
- Codec support for AVI (MPG-4 compression)

   See information for XviD codec on Pages 19 and 20

R O S C O B Y   R I S E R   C A M   L I M I T E D   W A R R A N T Y

RiserCam, LLC., ("RiserCam") warrants its Roscoby Riser Cam ("Product") against defects in materials or workmanship under normal use and service for a period of 90 days from the date of product purchase. This express limited warranty is extended by RiserCam to the original end-user with original purchase receipt and is not assignable or transferable to any other party.

RiserCam, at its option, will either repair or exchange the Product during the warranty period provided it is returned in accordance with the terms of this warranty. All replaced parts or Product shall become the property of RiserCam. Any repairs not covered by this warranty will be charged at the cost of parts plus labor. Please contact our customer service department regarding repairs. This is the complete warranty for products manufactured by RiserCam.

All costs of shipping Products to RiserCam for inspection and all risk of loss during transit shall be borne solely by the original purchaser.

This warranty does not cover (a) defects or damage resulting from use of the Product in other than its normal and customary manner; (b) defects or damage from misuse, improper operation, accident, neglect, leaky batteries, alteration, modification or adjustment by the user; (c) incidental or consequential loss, damage or costs associated with the failure or use of the Product; (d) freight costs to repair location.

To obtain warranty service you must contact our Customer Service Department at customerservice@roscoby.com, prior to returning Product, for return instructions and authorization by RiserCam.

NOTES AND TIPS

NOTE: This equipment has been tested and found to comply with the limits for a lass B digital device, pursuant to Part 15 of the FCC Rules. These limits are esigned to provide reasonable protection against harmful interference in a esidential installation. This equipment generates, uses and can radiate radio requency 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. f 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 ncouraged to try to correct the interference by one or more of the following easures:

- 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.

Where did you hit it?

Was he standing or walking?

Which direction did he run?

Did the arrow hit something?

Did the buck jump the string?

Did you get good penetration?

Was it a shoulder hit?

Are you sure?

Be sure of your shot with the...

Roscoby™
RISER CAM™

We got your shot!