



INSTRUCTION MANUAL



Congratulations and thank you for purchasing our trail and surveillance camera Raptor!

Dear customer,

Thank you, for choosing a quality product from SecaCam.

Please read this manual carefully, especially the security advice. VenTrade warrants this SecaCam-branded hardware product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of retail purchase by the original end user purchaser ("Warranty Period"). Keep the proof of purchase and this manual at a safe place.

When giving the camera to a third party, remember to attach the instruction manual and the original proof of purchase, please.

You can find further information about the warranty coverage in chapter 14 of this manual.

Note: You might need to remove the lamination sheet from the color LCD display. You can pull it off, using the overlaying shackle.

Attention! Keep plastic sheets and bags away from small children, for the risk of suffocation.

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1. Contents of box

Carefully unpack the camera and check that all of the following items are contained in the box:

- SecaCam Raptor
- Mounting strap
- USB cable and Video cable
- Instruction manual
- 8 batteries type AA*
- 8 GB SDHC memory card*

**Premium Pack only - already inserted in camera.*

Upper LEDs
(25 LEDs)

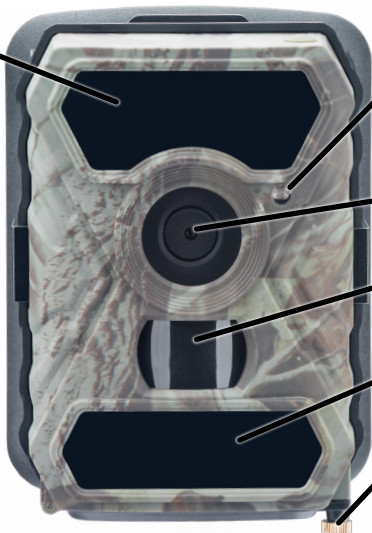
Light sensor /
Status indicator

Lens

Infrared sensor

Bottom LED-Field
(31 LEDs)

Base plate
locking screw

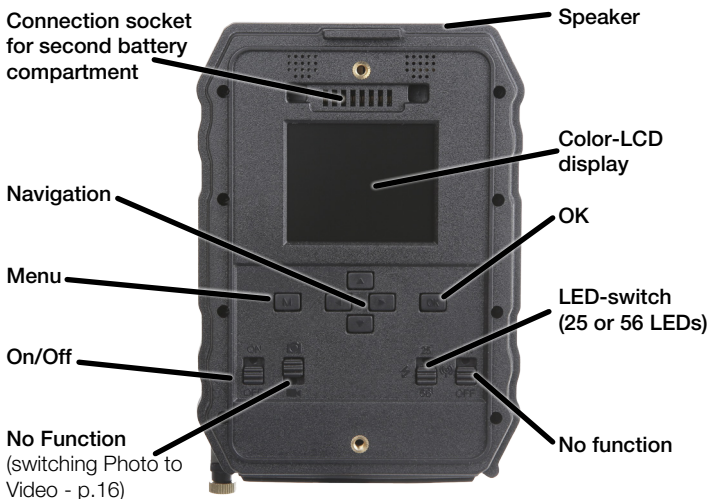


2. Your SecaCam Raptor

LED switch: At night the SecaCam Raptor automatically adds the invisible flash light to your photographs. For most usages with distant objects in the frame we advise you to set the LED switch to “56”. Now both rows of the invisible flash LEDs are used: the 25 top LEDs and the bottom 31 LEDs. The SecaCam Raptor will adjust the exposure for each individual shot. Should your night shots be too bright most of the times try taking photographs with the LED switch in the “25” position.

Trigger speed: A very important feature of your SecaCam Raptor is its extremely fast trigger speed of below 0.4 seconds. With this camera even fast moving objects like birds or running persons can still be recorded before they have left the viewing field again.

Lens: Your new SecaCam Raptor sports a lens with a diagonal angle of view of 52° (44mm Full Frame SLR equiv.). The SecaCam Raptor is best suited to observe smaller areas (like a feeding place or a path). Objects photographed from the same position are rendered larger than photographed with a wide angle lens.



Light sensor: Measures the light intensity. Depending on the lighting conditions, the camera automatically selects one of three imaging modes: color imaging (during daylight), black and white imaging (twilight) or black and white with flash imaging (night time).

Status indicator: The red LED light indicates that the camera has just been turned on, but is not recording yet. The light will turn off once the camera is completely activated and functional.

Infrared sensor: The passive infrared sensor (PIR) recognizes moving heat sources and triggers the camera. The sensitivity of the sensor can be set in the menu.

ON/OFF switch: In the „ON“-position the camera is ready for use (if equipped with batteries and a memory card).

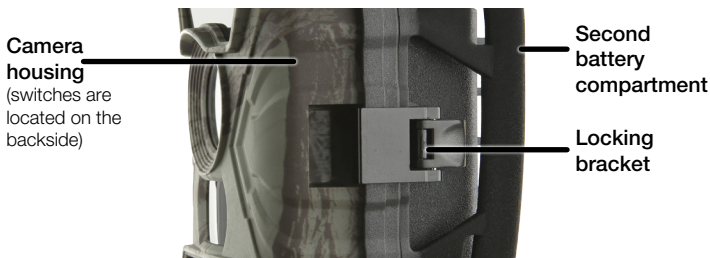
Photo/Video switch: This switch has no function. You can switch between photo and video via the menu (page 16).

Colour LCD display: Turn on the colour LCD display by pressing the button „OK“. You can control the image section, view the images the camera already shot or - after pressing the „M“ button - enter the menu.

Menu entry: With the monitor turned on (switch the camera on, press OK) you may enter the camera menu by pressing the „M“ button.

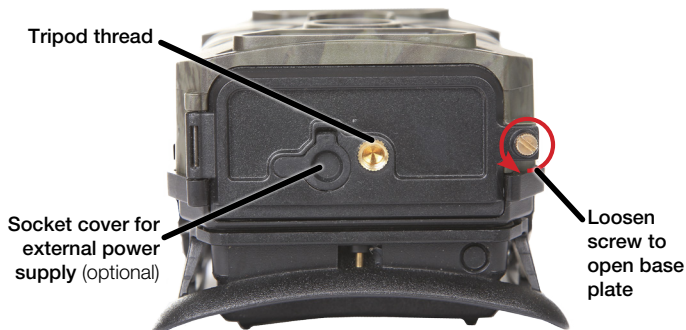
3. Getting the camera ready for use

3.1 Opening and closing the camera



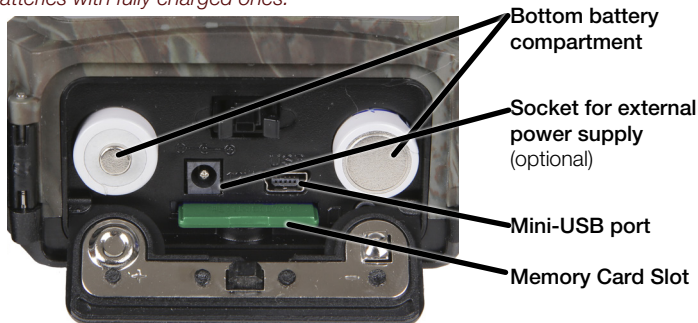
Opening: To open the camera undo the two locking brackets. The control buttons are located on the back of the inner camera housing.

Closing: To close the camera safely you must first insert the contacts of the secondary battery compartment into the socket in the upper part of the camera housing. Then hook the two plastic clips of the locking brackets into the holder and press down.



3.2 Inserting the batteries

IMPORTANT: The SecaCam Raptor has 2 battery compartments for four batteries each. All 8 batteries have to be inserted for the camera to function properly. If you get black photos shoot during the night, please replace all batteries with fully charged ones.



The working voltage of the SecaCam Raptor is 12V. The camera can only be operated with all eight batteries inserted into both battery compartments. It can be operated with either eight disposable or rechargeable batteries type LR6 (AA) 1.5 V Mignon respectively.

IMPORTANT: The camera must be turned off before inserting new batteries! Please use either disposable or rechargeable batteries. To avoid damage to the camera do not mix different types of batteries.

Bottom battery compartment: The main battery compartment is accessible through the base plate of the camera. To open the plate, unscrew the small brass-coloured screw. You will see the battery compartment cover after folding away the base plate. Press “PUSH” on the cover lightly to open it. Insert four fully-charged batteries, pay close attention to the battery polarity written on the compartment door! Close the battery compartment by pressing down the protective cover until the lock engages. Close the base plate and tighten the brass screw again.



Back battery compartment in holder: The second set of four batteries has to be inserted into the holder. To do so, open the protective cover of the



Compartment screw

(fasten optionally to tighter connect the camera with the back battery compartment)

Back battery compartment plug

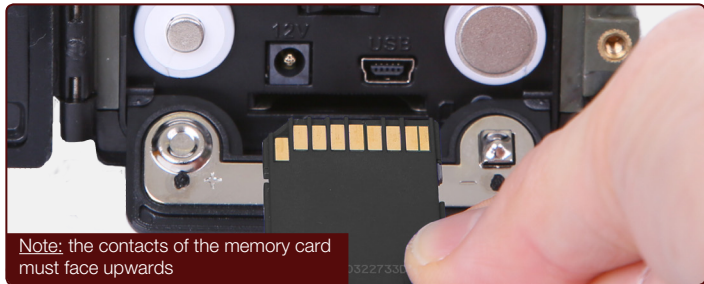
Locking brackets

Battery compartment

Compartment screw (optional)

back battery compartment in the rear part of the camera housing by pulling the clip on the bottom slightly inward and then lift off the cover. Insert four fully charged batteries. When inserting the batteries, please make sure that the camera is turned off and the polarity fits the marking in the battery compartment. Subsequently close the cover of the back battery compartment.

3.3 Inserting the memory card

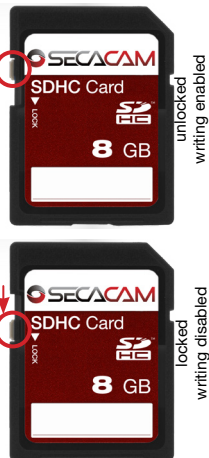


The SecaCam Raptor stores images and videos on standard SD or SDHC memory cards.

Important: Recording photos and videos as well as changing the menu settings is only possible with a memory card inserted. The camera supports SD / SDHC memory cards up to a capacity of 32 GB.

Inserting the memory card: When you insert the memory card the camera must be turned off! Open the bottom flap and insert a SD / SDHC memory card into the memory card slot until it clicks into place. When inserting the memory card, the memory card contacts must face upwards, meaning you must see the front of the camera and the golden contact strips of the memory card.

Write protection: A small slider is located on the side of each memory card to enable or disable the write protection. Before inserting the memory card make sure that the slider is in the unlock position



and the write protection on the memory card is not activated. Only in this position the camera can write data on the memory card.

Formatting the memory card: We recommend to format the memory card in the camera before using it for the first time. To format the memory card in the camera, turn the camera on (switch to „ON“). Then press „OK“ button to turn on the screen. Next, press the „Up“ button to enter the viewing mode. Now press the menu button „M“. Two options are offered: „format“ or „delete“. Select „format“ and confirm with „OK“.

4. Getting started

4.1 Mode switches

After you have equipped your SecaCam Raptor with at least 4 batteries and a memory card - as described in 3.2, the camera is basically ready and can be operated with the factory settings. For instructions to change the date and time of the camera please refer to page 17.



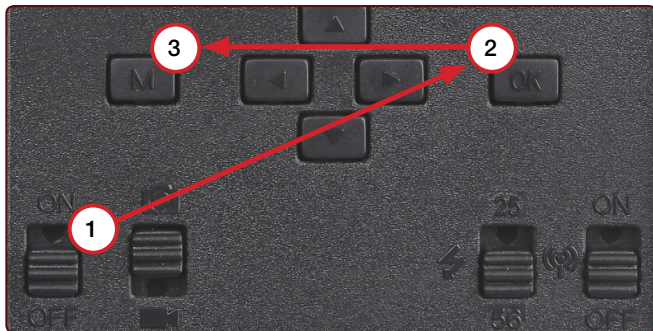
Note: Remove the protective film from the screen of the camera by pulling it at the overhanging green tab - a little force might be required.

- I. **OFF/ON** switch: Set this switch to “ON” and the camera will turn on.
- II. **Photo/Video** switch: This switch has no function. Switching between photo or video mode is done via the menu (see page 13).
- III. **25/56** switch: If a smaller area has to be monitored or your night photographs turn out too bright, set this switch to position „25“ (LEDs), for larger areas or if your night photographs turn out too dark select position „56“ (LEDs).

- IV. This switch is without function, too. It is only used when the camera has a GPRS module (not included).

4.2 Change Settings

Before using the camera, you should adjust the settings according to your requirements. In this chapter we explain all menu options and their possible settings. To enter the menu, please press the „ON“, „OK“ and „M“ button in exactly this order.



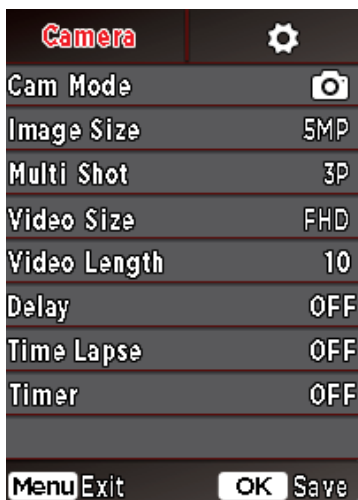
1. **ON:** switch to the „ON“ position - The camera is now turned on
2. **OK:** Press the „OK“ button - The display turns on and shows the memory card capacity and the remaining memory available for about 2 seconds.
3. **M:** Press „M“ to enter the menu

To enter the menu press the buttons **“ON”, “OK” and “M” in this sequence as described above**. Use the “Arrow up” and “Arrow down” buttons to navigate to the required menu item. Press “OK” to edit the highlighted menu item. Press “M” to exit the menu. To switch off the display and start the observation mode of the camera press “M” to exit the menu and then press and hold “OK” for approx. two seconds.

4.3 Menu structure

Via the menu of your SecaCam Raptor all important settings can be set to your preferences. The menu is divided into two columns that can be selected via the top tabs. The tabs are “Camera” and “Settings” (depicted with a gearwheel). Both tabs are filled with various settings for you to choose and optimize your SecaCam camera for your personal use.

Use the arrow keys to navigate between the two tabs. The Left or right arrow can change the column while the tabs headline is highlighted. The up and down arrows navigate you through the various options of the selected column.



“CAMERA” tab

Cam Mode

Switch between modes Photo, Video or Photo AND Video (more information on page 14)

Image Size

Choose between image sizes 5MP, 8MP and 12MP (see page 14)

Multi shot

Number of photographs (see p.14)

Video Size

Choose video size between VGA, HD and FHD (see page 15)

Video Length

The required video length between 5 and 59 seconds (see page 15)

Delay

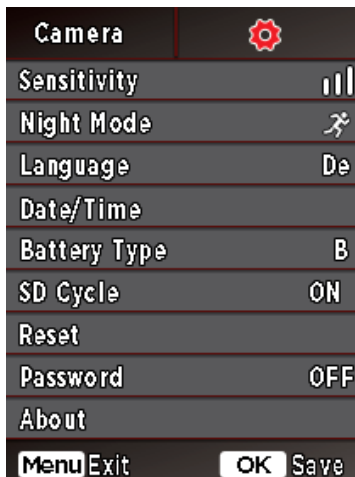
Set the period of time between 2 recordings (see page 15)

Time Lapse

A series of recordings with a specified pause between two photos (see p.18)

Timer

Set the time frame in which the camera is supposed to be active (see p. 17)



“SETTINGS” tab

Sensitivity

Set the Sensitivity of the PIR Sensor to either high, middle or low (see page 17)

Night mode

Choose between max. range, balanced or min. blur exposure for night shots (see page 17)

Language

Choose between English, German, Spanish, French, or Italian (see page 18)

Date/Time

Set the date and time (see page 18)

Battery Type

Are you using disposable (B) or rechargeable batteries (A)? (page 18)

SD Cycle

Set to “ON” if you want the camera to continue to record images when the card is full. Old images will be overwritten (page 18)

Reset

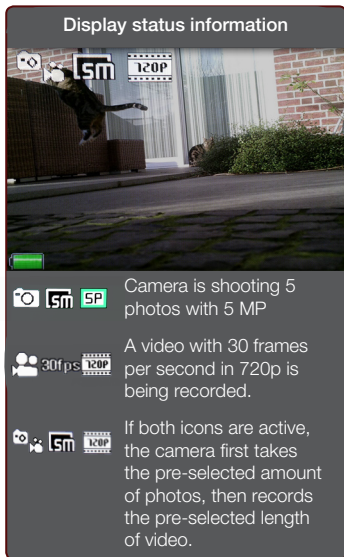
Reset the camera to its factory settings (see page 18)

Password

Secure your camera with a pin code (see page 18)

About

Displays the installed firmware version (see page 19)



Cam Mode: There are three recording options to choose from:

 **Photo:** The camera records images corresponding to the settings in „Multi shot“ and „Image Size“

 **Video:** Videos are recorded corresponding to the settings in „Video size“ and „Video length“

 **Photo+Video:** : If the camera is set to this mode it first shoots one or more photos which are then followed by a video. The number of photos or the video length depend on the settings in „Multi shot“ and in „Video length“.

Image Size: The SecaCam Raptor offers three photo resolutions:

- 5M = 5.0 Megapixels = 2592 x 1944 (native resolution)
- 8M = 8.0 Megapixels = 3264 x 2448 (interpolated)
- 12M = 12.0 Megapixels = 4000 x 3000 (interpolated)

We recommend an image size setting of 5MP. Any higher resolution might result in a partially improved picture quality, however, the bigger photo files require much more space on the memory card. Since the camera has a 5.0 MP CMOS image sensor, the resolutions 12M and 8M are generated by interpolation.

Photos are recorded in a 4:3 aspect ratio and will be saved in the JPEG format.

Multi shot: Select the number of photos (1-5 photos) the camera is supposed to take consecutively when triggered. In practice, the setting „5P“

has proven most effective for common use cases. If the sensor recognizes a motion it records five photos consecutively with an approximate gap of one second between two photos. With this option the likelihood of capturing a moving object at least once is increased.

The minimum pause between two multiple shots series is set in the menu item „Delay“ (see below).

Video Size: The SecaCam Raptor has three video resolutions for you to choose from:

- FHD = 1920 x 1080
- HD = 1280 x 720
- VGA = 640 x 480

We recommend setting the video size to „HD“. While the FHD resolution might result in a partially improved video quality, the video files will become bigger requiring more space on the memory card. The videos are recorded in a 16:9 aspect ratio with 30 fps and saved in the AVI format.

Video Length: Specify the duration of a video recording triggered automatically. You can choose between 5-59 seconds.

Note: *Please note that night videos have a considerably higher battery consumption than photos. While taking a photo the LEDs flash only briefly, but during the recording of a video the LEDs are constantly lit up.*

We recommend a video length of 15 seconds. When using the mode „Photo+Video“ we recommended to reduce the video length to 10 seconds.

Memory Info: In daylight a 15 second video in “HD” video size takes up roughly 40 MB of memory space. A 4GB memory card will hold approx. 400 short videos.

Delay: Enter a period of time in which the camera will pause before it reacts to a new trigger event. The camera does not record any images or videos during the selected delay period.

Depending on the location the camera is placed, it can happen for example that a branch warmed by sunlight and moved by the wind will trigger dozens of almost identical shots. To prevent the memory card from being filled with unnecessary images, you can define a pause between two motion activated

recordings.

To do this enter the menu item „Delay“ and select „ON“. Change the setting with the up and down arrow buttons. Choose a pause between 3-60 seconds. Confirm the settings with „OK“.

***TIP:** In photo mode a combination of three photos followed by a recording pause of five seconds has proven most effective. In video mode the interval 15 second video recording followed by a 15 second pause is very useful.*

Time Lapse: If the position “ON” is selected, the camera automatically takes photos or videos in the selected time interval, no matter whether or not the PIR sensor has detected a motion or not. As soon as the “ON” setting is confirmed by pressing the “OK” button, you can enter the interval time in which photos and videos are to be recorded. The format for interval between the automatic triggered recordings is HH:MM:SS (hours, minutes, seconds). Use the up and down arrow buttons to change the setting. With the left and right arrow buttons you move one position forward or backward. You can choose an interval from 5 seconds (00:00:05) to 24 hours (23:59:59). Confirm the settings with „OK“.

The time lapse mode can also be combined with the video mode. However in practice the photo mode makes more sense.

- **Example 1:** You would like to document the work progress of a construction site. Therefore you let the camera shoot a photo every 2 minutes (00:02:00). Within 10 hours you would get 300 photos with this setting, or accordingly 3,000 images in 10 days. Neither the required storage space (for a 5MP image size a 4GB SD card is sufficient) nor the battery power will cause a problem.
- **Example 2:** You would like to create a time lapse video (third party software required). A short time interval of 5-10 seconds is recommended. The series of single photos can then be added together to create a time lapse video.

***Note:** The temperature shown on the recorded photos in the time lapse mode may differ from the actual ambient temperature because the internal temperature of the camera can increase if used over longer periods of time.*

***TIP:** In time lapse mode we recommend to change the multi shot setting to 1P (one picture), thereby limiting the recorded photos to one per interval.*

Timer: Similar to a clock timer, you can define a time frame in which the camera may record. To activate this feature select the menu item „timer“ and set it to „ON“, then enter the start and stop time in the format HH:MM (hours and minutes).

- **Example 1:** A clubhouse is supposed to be monitored only during the night time. You can, for example, set the time interval from 10:00pm to 06:00am. Outside this period of time the SecaCam Raptor will remain in stand-by mode.
- **Example 2:** You would like to shoot a series of photos of a sunset to produce a time lapse video. In this case select the time interval according to the approximate hour of the day the sunset will occur e.g. from 07:00pm to 09:00pm. Additionally activate the menu setting „time lapse“ (see 18) and choose 10 seconds. The SecaCam Raptor will take a photo every 10 seconds in the predefined time interval. Outside the selected time interval, the camera is not triggered and will not record any photos or videos

Outside the selected time interval, the camera is not triggered and will not record any photos or videos.

Sensitivity: The SecaCam Raptor uses a „passive infrared sensor“ (PIR) which reacts to moving heat sources. The sensitivity of the sensor can be set between “High”, “Middle” and “Low”.

We recommend the „High“ setting. However, this setting increases the possibility of false triggering, for example when the camera recognizes moving branches that have been warmed by sunlight and are now moving in the wind. If too many false triggered photos are recorded, the sensitivity may be reduced step-by-step.

Night Mode: On the SecaCam Raptor you can choose between 3 options for exposure:

Max. Range: Exposure time is optimized for max. range. The focus lies on a



well exposed scenery. Quick moving animals or other objects that are not standing still might appear less sharp, though.

Balanced: Exposure time is a balanced compromise between max. range and min. blur. Moving animals are rendered rather sharp while the whole scenery is still well exposed.



Min. blur: Exposure time is as short as possible. Moving objects should be well in focus while the whole scenery could be a little dark at times.



Language: Choose the desired menu language. In Europe "German" is per default activated. In North America "English" is the default language. You can also switch the menu to Spanish, French or Italian.

Date/Time: Before using the SecaCam Raptor for the first time it is necessary to set the time and date. Use the up and down arrow buttons to change the setting, with the right and left arrow button you move one position forward or backward. Confirm the settings with „OK“. The date and time will now appear in every shot to document the exact second a photo has been recorded.

***Note:** In Europe the Raptor premium pack version is pre-set to the Central European Time zone and the corresponding date. Due to the different time zones in North America this service is unfortunately not available.*

Battery type: The SecaCam Raptor can be used with rechargeable batteries type AA 1.5V without problems. In order to get a correct battery display you can choose which battery type you are using in this menu. (Generally rechargeable batteries have a higher capacity but a lower voltage than disposable batteries.)

SD Cycle: By activating this menu setting (switch to „ON“) you allow new recordings to be shot even if the memory card is full. Please be aware that in the "Cycle Recording" mode the oldest recordings will be overwritten by new recordings. This option is especially useful if you use the SecaCam Raptor for property protection. In specific use cases you can make sure that the recording was not prevented by a full memory card.

Reset: Press "Yes" to reset the camera settings to the default values and confirm the selection by pressing the "OK" button. The date and time setting is not affected. Of course your files aren't erased as well.

Password: After selecting "ON" enter a six-digit PIN to protect your camera against unauthorized access. With the up and down arrow button you change the setting, with the left and right button you move one position forward or backward. Confirm the settings with „OK“. Choose a code that you can remember well, and/or write this code down, e.g. on the camera box.

***Note:** Please use the password option very carefully. If you do not know the selected PIN anymore, the camera is also useless for you. In this case please contact our customer service.*

About: Shows the firmware version installed on the camera. The SecaCam Raptor is continually being developed. Please visit www.secam.com, www.wildkamera.net or contact our service center email: service@secacam.com and check if a new firmware is available.

5. Test photos or videos

In order to control the image field of view or the recording quality you may trigger a recording manually by:

1. **ON:** Set the switch to "ON".
2. **OK:** Press the "OK" button – The display turns on and shows the memory card capacity and the remaining available memory for about 2 seconds. After that, the screen shows the current image field of view.
3. **OK = Record:** Press "OK" to take a photo or a video manually.

***Note:** Depending on the „mode“ setting either a photo or a video is recorded. In the video mode the recording is stopped after 15 seconds.*

6. Reviewing recorded photos or videos

1. **ON:** Set the switch to "ON"-position
2. **OK:** Press the "OK" button – the LCD color display will turn on and show the memory card capacity and the remaining available memory for about 2 seconds. After that, the screen displays the current image section. In the top right corner of the display the number of shots made as well as the theoretically possible number of shots is displayed.
3. **Example:** 00004/01392 (4 shots out of 1,392 total possible photos)
4. **Top arrow button:** Press the top arrow button to change the playback mode. The last recorded photo or video will appear.
5. **Right arrow button = forward**
Left arrow button = backward

Use the left and right arrow button to navigate through the images or videos. A video is indicated by the black bars above and below. To start playing a video, press the „OK“-button.

Deleting images/videos: Select a photo or video with the right and left arrow buttons as mentioned above. Press the „M“ button to display the menu. You can choose between „delete“ and „format“. After selecting „delete“ you can choose between „one“ and „all“.

Caution: *The confirmation of „all“ will irretrievably delete all existing recordings on the memory card!*

7. Assembly with strap

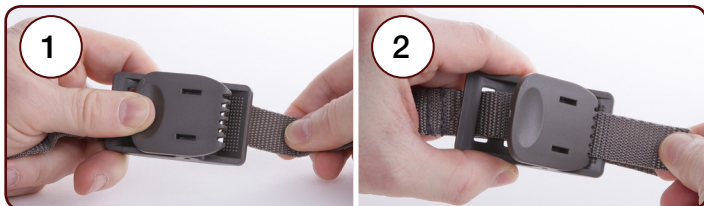


Trees or poles with a large diameter:
Use the mounting strap once.

Trees or poles with a smaller diameter:
Use the mounting strap twice

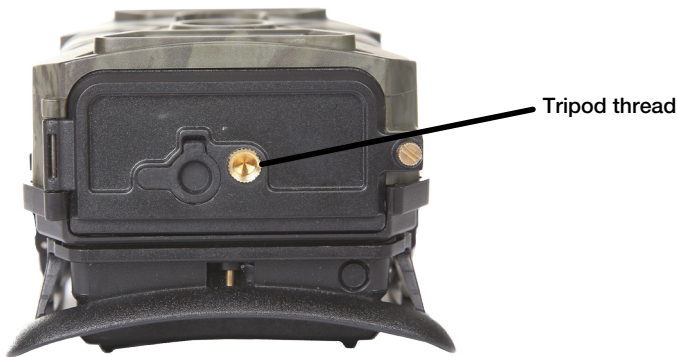
Use the enclosed mounting strap to mount the camera to a tree, a branch or a pole. Hold the camera in the intended position and pull the loose end of the strap tight until the camera is fastened securely. Make sure to hide the remaining part of the strap.

To unfasten the camera, press on the buckle and loosen the mounting strap. This way you can easily change the camera's position.



7.1 Using a tripod or camera mount

The SecaCam Raptor has a ¼ inch tripod thread built in its base plate. This allows you to attach the SecaCam Raptor to a variety of tripods, wall or tree mounts.



Use as surveillance camera: If the camera is used for property surveillance, the bird's eye view is a good choice. If the camera is placed at eye level, it could easily be spotted. At a height of eight to ten feet (2.50m to 3.00m) the camera is not in the direct field of vision and is not easily accessible for possible intruders.

Use as trail and game camera: Most animals are rather small. The best height to position the camera is at about waist height and slightly pointed downwards.

8. Technical Data

Element		Description
Image sensor		5.0 MP CMOS
Photo resolution		5-megapixel (standard) 8-megapixel (interpolated) 12-megapixel (interpolated)
Number of photos per trigger		1-5
Display		2" (TFT-LCD Colour-Display)
Continuous shooting		Yes, interval 5 seconds - 24 hours
Delayed recording		3 to 59 seconds (adjustable pause between recordings)
Video resolution		Full HD 1920 x 1080 HD 1280 x 720 VGA 640 x 480
Video length		5 - 59 seconds
Picture information stamp		Time Date Moon phase Temperature
Number of LEDs	Flash	56 black-LEDs (940 nm invisible) 25 LEDs top, 31 LEDs bottom
type		

Element	Description
Trigger time	< 0.35 ~ 0.45 seconds
Range of IR flash	up to 66 feet (20m)
Infrared sensor	1 PIR-Sensor adjustable sensitivity (high medium low)
Range of sensor	up to 50 feet (15m)
Storage	SD or SDHC up to 32 GB
Connections	External power supply Mini USB TV-Out
Power supply	8x alkaline batteries type LR6 (AA) or 8x rechargeable batteries type LR6 (AA)
Standby time	Approx. 6 months
Dimensions	Approx. 5.2 (h) x 3.9 (w) x 3.0 (d) inch (13.1 (h) x 9.9 (w) x 7.7 (d) cm)

Note: Design and technical data may change without notice.

9. Connection to computer

Remove the SD card and insert it into the card reader of your computer. If your computer doesn't have a card reader, you can connect the camera directly to an computer using the provided USB cable.

Connection via USB cable: There is a mini-USB port on the bottom of the camera behind the bottom flap. You may connect the camera to your computer using the provided USB cable.

Regardless of whether the camera is switched on or off, it automatically switches to USB mode, recognizable by the blue USB icon on the screen of the camera.

PC/Windows: The camera installs itself on the computer as an additional drive. Double-click to open the drive. Within the folder „DCIM“ is the folder „100MEDIA“ with all the recorded photos and video files. After 1000 files the camera will create a new folder called “101MEDIA” (102MEDIA and so on). You may copy or move the folders or individual files to your computer.

Card reader: Using a memory card reader (not included), you may copy photos and videos directly from the memory card to the computer. If necessary, please consult the manufacturer's operating instructions.

10. External power supply

External power supply: The camera can be operated with an external power supply (check out the accessories at www.secacam.com). A 12V power supply with at least 1.5 A is required containing a connector with a 3.5 mm external and 1.35 mm internal diameter (internal plus pole, external minus pole). The corresponding socket is located at the bottom of the camera. Remove the batteries when operating the camera with an external power supply. Be aware that rechargeable batteries cannot be recharged in the camera using an external power supply.

External battery box: To achieve an outstanding operating time like it is needed to protect a remote property, a 12V lead acid battery is the best choice. With a capacity of e.g. 4.5 Ah these batteries are an ideal long-term source of energy for the SecaCam Raptor. Please note that a suitable cable with the correct polarity (positive pole inside) must be purchased as well as an additional charger suitable for the lead acid battery.

11. Protection of privacy

Personal rights: Please respect the personal rights of others when installing the SecaCam Raptor. You must not use the camera in a public area where people may enter the surveillance area of the camera and are recognizable in any way! The same rule applies for recording photos or videos of license plates of vehicles.

Monitoring of public areas: Please check national laws and regulations if public areas (streets, sidewalks, parking lots, etc.) may be monitored by private persons. If it is illegal please refrain from using the camera in such an environment.

Surveillance cameras at the place of work: Please check national laws and regulations if the camera may be used at the place of work. If it is illegal please refrain from recording employees and do not use surveillance cameras at the place of work unless potential legal infringements can be fully excluded.

Delete recordings: Photos or videos of people that have not been informed that they may be recorded or have not granted the right to record them must be deleted immediately.

Property protection: If you use the camera for property protection or to investigate administrative offenses or crimes, please ensure that only perpetrators, rather than innocent bystanders are captured.

Handing over recordings to law enforcement agencies: Only in the case of an offense or a criminal act, you may hand over the recordings to law enforcement agency – and only to them! The authorities will then decide on the further use of the photos or video.

12. Hazard, safety and warning notices

Intended Use: The SecaCam Raptor is intended for private and not commercial use.

Using AC adapters: Only use a power adapter (not supplied) with the mains voltage specified on the rating plate (6V) or the risk of fire and/or electrocution may occur. Disconnect the power to the camera by pulling the power adapter out of the socket. Ensure adequate ventilation and do not cover the

AC adapter (not supplied) to avoid overheating. The power supply should not be used during thunderstorms or the risk of electrocution may occur. Using the wrong AC adapter terminates the warranty. VenTrade is generally not liable for any damage caused by the use of AC adapters with the SecaCam Raptor.

***Note:** A plugged-in power adapter (not supplied) can continue to draw power even if the camera is in stand-by and therefore represents a hazard source.*

Handling batteries: Always remove the batteries if the camera is not being used and store the batteries separately. Inserting batteries of the wrong type may cause explosions. Therefore, only use approved batteries type LR6 (AA) 1.5V or NiMH batteries with the same specification. Keep batteries out of reach of children. Do not store or transport batteries in a way that they might come in contact with metal objects. Batteries may not be thrown into the fire, short circuited, over discharged, deformed or be taken apart. There is a significant fire and explosion hazard. Don't touch batteries that have leaked without appropriate protection. In case human skin gets in contact with battery acid wash the area with soap and water immediately. Avoid eye contact with battery acid. If you experienced eye contact with battery acid, rinse the eyes with plenty of water and contact a doctor immediately. Dispose of batteries according to national regulation.

LCD display: Make sure that the LCD display is not exposed to shocks or pressure. The glass of the display might be damaged or liquid may leak. If the liquid of a broken LCD display gets in contact with eyes or on the skin, it must be rinsed with clean water immediately. If you experienced eye contact with the liquid, rinse your eyes with plenty of water and contact a doctor immediately. Damage to the electronics, the monitor or lens, which were caused by external influences such as shock, drop, or otherwise, may terminate the warranty.

Risks to children and people with limited abilities to use electronic devices:

- The camera, accessories and packaging are not toys and should be kept away from children. There is danger of electrocution, poisoning and suffocation

- The camera may only be operated by people physically and mentally able to operate it safely.

Danger of fire or electrocution: Switch off the camera and remove the batteries if a foreign body or liquid has entered the camera. Let all parts of the camera dry thoroughly or the risk of fire and/or electrocution may occur.

The warranty will void, if the camera is taken apart, is modified or repaired by unauthorized personnel.

13. Maintenance and Disposal

Care: Do not use any corrosive cleaners, such as methylated spirits, thinners, etc. to clean the camera housing and supplied accessory. When required, clean system components with a soft dry cloth.

Disposal: For disposal, separate packaging into different types and dispose of in line with environmental regulations in supplied collection containers. Batteries and storage batteries may not be disposed in domestic waste. Consumers are obliged by law to return used batteries to communal collection points or dealers selling batteries. Storage batteries and batteries do therefore contain the adjacent symbol

Correct Disposal of Product: The adjacent symbol indicates that electrical and electronic equipment may not be disposed of in domestic waste in the EU. Please use the return and collection points of your local council or contact the dealer you purchased the product from. This prevents potentially harmful effects on the environment and health as a result of incorrect disposal. For further information contact the respective department of your local council.



14. Warranty and service

VenTrade, as defined below, warrants this SecaCam-branded hardware product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser ("Warranty Period"). If a hardware defect arises and a valid claim is received within the Warranty Period, at its option, VenTrade will

either (1) repair the hardware defect at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (3) refund the purchase price of the product.

When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes VenTrade's property. Parts provided by VenTrade in fulfillment of its warranty obligation must be used in products for which warranty service is claimed. When a refund is given, the product for which the refund is provided must be returned to VenTrade and becomes VenTrade's property.

14.1 Exclusions and limitations

This Limited Warranty applies only to hardware products manufactured by or for VenTrade that can be identified by the "SecaCam" or "VenTrade" trade mark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-VenTrade hardware products or any software, even if packaged or sold with VenTrade hardware. Manufacturers, suppliers or publishers, other than VenTrade, may provide their own warranties to the end user purchaser, but VenTrade, in so far as permitted by law, provides their products "as is".

VenTrade does not warrant that the operation of the product will be uninterrupted or error-free. VenTrade is not responsible for damage arising from failure to follow instructions relating to the product's use.

This warranty does not apply: (a) to damage caused by use with non-VenTrade products; (b) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (c) to damage caused by operating the product outside the permitted or intended uses described by VenTrade; (d) to damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of VenTrade or a VenTrade authorized service provider; (e) to a product or part that has been modified to significantly alter functionality or capability without the written permission of VenTrade; (f) to consumable parts, such as batteries, unless damage has occurred due to a defect in materials or workmanship; or (g) if any VenTrade serial number has been removed or defaced.

To the extent permitted by law, this warranty and remedies set forth above are exclusive and in lieu of all other warranties, remedies and conditions, whether oral or written, statutory, express or implied. As permitted by applicable law, VenTrade specifically disclaims any and all statutory or implied warranties, including, without limitation, warranties of merchantability, fitness for a particular purpose and warranties against hidden or latent defects. If VenTrade cannot lawfully disclaim statutory or implied warranties then to the extent permitted by law, all such warranties shall be limited in duration to the duration of this express warranty and to repair or replacement service as determined by VenTrade in its sole discretion.

No VenTrade reseller, agent, or employee is authorized to make any modification, extension or addition to this warranty.

Except as provided in this warranty and to the extent permitted by law, VenTrade is not responsible for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory, including but not limited to loss of use; loss of revenue; loss of actual or anticipated profits (including loss of profits on contracts); loss of the use of money; loss of anticipated savings; loss of business; loss of opportunity; loss of goodwill; loss of reputation; loss of, damage to or corruption of data; or any indirect or consequential loss or damage howsoever caused including the replacement of equipment and property, any costs of recovering, programming, or reproducing any program or data stored or used with ventrade products and any failure to maintain the confidentiality of data stored on the product. The foregoing limitation shall not apply to death or personal injury claims.

VenTrade disclaims any representation that it will be able to repair any product under this warranty or make a product exchange without risk to or loss of the programs or data.

14.2 Consumer protection laws

For consumers who are covered by consumer protection laws or regulations in their country of purchase or, if different, their country of residence, the benefits conferred by this warranty are in addition to all rights and remedies conveyed by such consumer protection laws and regulations.

Some countries, states and provinces do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitations on the

duration of implied warranties or conditions, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by country, state or province.

This Limited Warranty is governed by and construed under the laws of the country in which the product purchase took place. VenTrade, the warrantor under this Limited Warranty, is identified at the end of this document according to the country or region in which the product purchase took place.

Service Address

SecaCam
c/o VenTrade GmbH
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D-51063 Cologne
Germany

Phone: +49 (221) 59 68 - 60 60

Email: service@secacam.com

Trademark Information

- Microsoft® and Windows® are trademarks of Microsoft Corporation registered in the US.
- SD™ is a trademark.

Other names and products can be trademarks or registered trademarks of the respective owners.

Conformity

The Manufacturer hereby declares that the CE marking was applied to the product in accordance with the basic requirements and other relevant provisions of the following European Directives:

- 2011/65/EG RoHs-Directive
- 2004/108/EG EMV-Directive



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Notes

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