

USER MANUAL

SPARTAN SR4-BK Eclipse

(Black flash) Digital Camera Trap



PLEASE READ CAREFULLY BEFORE USING YOUR CAMERA.

Product specifications and data are subject to change without notice to improve reliability, function or design.

Est. 2007



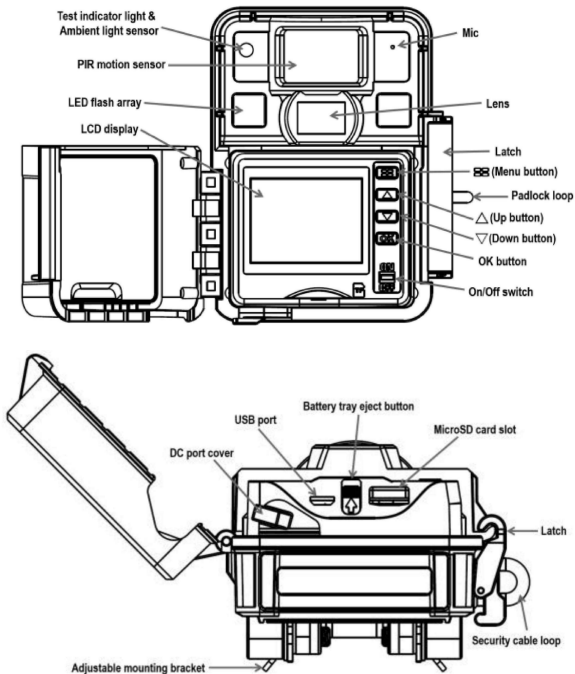
YOUR PATIENT WITNESS

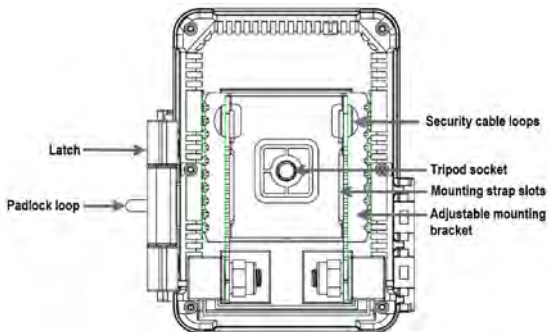
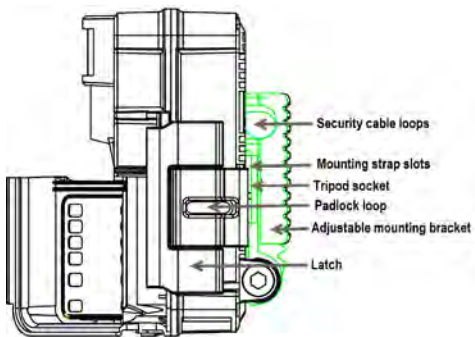
www.cameratraps.co.za

Package Contents

Camera Trap	1	Mounting Strap	1
User Manual	1	Adjustable (fixed) Mounting Bracket	1

Camera Body and Ports





Buttons and Switch

 : Menu: Enter the program menu in preview mode, exit from settings

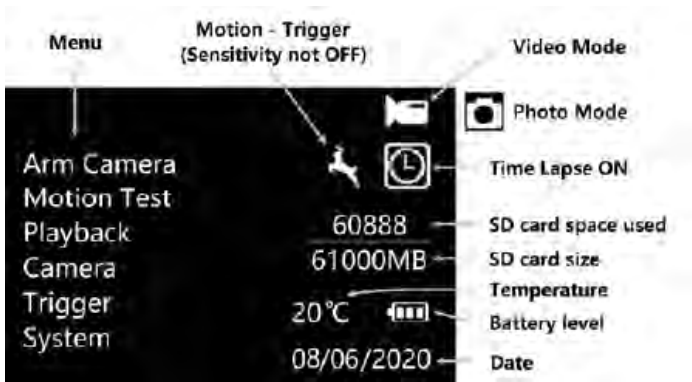
  : Up / Down: Move among the menu items

OK: Confirms a selection

On/Off switch

Battery tray eject button

Display



What You Need to Get Started

- MicroSD card, up to 512 GB (*not included*)
- 6 x AA size batteries (*not included*)
 - Lithium (*recommended*)
 - Alkaline
 - Rechargeable Ni-MH
- 12V SLA or Lithium rechargeable battery and connection cable OR 12V solar panel (*not included*)

Quick Setup

1. Load batteries.
 - a. Press the Battery Tray Eject button to release the battery tray then pull it out so you can load the batteries.
 - b. Insert each battery and make sure its polarity matches the indicators on the bottom of the battery tray.
 - c. Insert the battery tray back into the camera.
2. Insert the microSD card.
 - a. Insert the microSD card in the slot on the bottom of the camera until it clicks into place. (The camera uses a microSD card to save your photos and videos.)
3. Set up the camera
 - a. Slide the power switch to the ON position, set the date and time, then press the Menu button to exit.
 - b. Set the Camera, Trigger, and System options as desired.
 - c. Format the microSD card (System menu).
 - d. Select Motion Test, press the OK button, adjust the camera position, then press the Menu button to exit. You can adjust the position by tilting the camera on its djustable (fixed) mounting bracket.
 - e. Select Arm Camera then press the OK button. (If you do not arm the camera, it will arm itself after 1 minute.)

Menu Settings

1. Switch the camera on.
2. Navigate the main menu or setting choices using the $\Delta \nabla$ (up and down) buttons.
3. Press the OK button to select a setting or the  (Menu) button to exit and return to the previous level.

Setting Items		Description
Arm Camera	Yes, *No	Camera will arm itself after 4 minutes if you do not arm it manually.
Motion Test		Used to view / test the correct mounting position of the camera through the built-in viewing screen.
Playback		View photos and videos on the SD card

** Default Settings*

Camera	Mode	Choose *Photo / Video / Photo+Video.
	Photo Size	Photo mode: choose the image size, *5M(original), 8M, or 24M
	Video	Video Size: 720P, *1080P, 1440P
		Video Length: 5, *10, 15, 30 sec
		Sound Rec: *On, Off

Trigger	Sensitivity	Select High, *Normal, Low, or Off.
	Trigger Interval	The sleep time after each trigger. *0 sec, 5-55 sec in 5 sec intervals, 1-60 min in 1 min intervals
	Motion Plan	*All Day / User. When User is selected, the camera can be set to operate during one or two specific time periods instead of all day. Enter the hour and minutes for one or both Start-Stop times.
	Time Lapse	*Off; 30, 35, 40, 45, 50, 55 secs. 1, 5, 10, 15, 20, 30 min; 1, 2, 3, 4, 5, 6, 7, 8, 12, 24 hr The camera will take pictures at the specified time interval. Note that in Time Lapse mode, the camera will <u>also</u> take motion-triggered photos <u>unless</u> Sensitivity is set to OFF. <i>Time lapse plan: set one Start-Stop time for time lapse</i>
	Start-Stop 1 & 2	The camera can be set to operate during one or two specific time periods. To enable this function select ON and press OK to display the start-stop menu. This menu contains the settings for times to start and stop as well as the trigger interval and time lapse interval. The start-stop setting overrides all other general camera settings. Since there are two periods available, make sure that you do not program times that overlap.

** Default Settings*

System	Clock	Set the Hour, Minute, Month, Day, Year
	Time Stamp	*On, Off.. Select ON to print an info strip at the bottom of each photo, OFF for no info strip.
	Password	Set a 6-digit password using this option. (Note: keep a record of this password. If you forget it, you will have to return the camera to Spartan Camera with proof of ownership to have the password removed.)
	Format	Format the microSD card. This will erase all data on the microSD card and cannot be undone. You should format the card in the camera each time you put it into the camera.
	Beep	Toggle the keypress beep sound on/off.
	Overwrite	Toggle overwrite on/off. If ON, once the SD card is full, the camera will overwrite the oldest image / video with the newest image / video.
	Export Setting	Saves this camera's settings to the microSD card so the settings can be transferred to another camera. (For more information on using this feature, see <i>Export Settings</i> on the next page.)
	FW Update	Update the firmware using a file downloaded from the web site and copied to the microSD card.
	Default	Restore all settings to factory default values.
	Information	Display the version of firmware on the camera.

* Default Settings

Viewing and Deleting Photos and Videos

Viewing Photos

1. Highlight Playback then press the OK button.
2. Press the $\Delta \nabla$ (up and down) buttons to navigate through the pictures.
3. To return to the Home screen without deleting any photos, press the  (Menu) button twice.

Deleting Photos

1. To delete one or all pictures, while viewing a photo press the  (Menu) button.
2. Choose either Delete One or Delete ALL.
3. Press the OK button.

4. Press the  (Menu) button to return to the next photo (if you deleted one) or the Home screen (if you deleted all).

Note: You can also delete everything on the microSD card by formatting it (System menu).

Viewing Videos

1. Highlight Playback then press the OK button.
2. Press the   (up and down) buttons to navigate through the pictures.
3. Press the OK button to play/pause the video or press the Menu button to return to the preview screen.
4. To return to the Home screen without deleting any photos, press the  (Menu) button twice.

Deleting Videos

1. To delete one or all videos, while looking at the first frame of a video on the preview screen, press the  (Menu) button.
2. Choose either Delete One or Delete ALL.
3. Press the OK button.
4. Press the  (Menu) button to return to the next photo (if you deleted one) or the Home screen (if you deleted all).

Note: You can also delete everything on the microSD card by formatting it (System menu).

Export Settings

Exporting the settings

1. In the System menu, highlight Export Settings then press the OK button to save a file called settings.ini to the microSD card.

Using the exported settings in a new camera

1. Once you have saved the settings from one camera onto a microSD card, insert the microSD card into the new camera.
2. Turn the switch to ON and the camera will ask you Update Setting, Yes or No.
3. Choose Yes to copy the settings to this camera or No to set up the camera manually.

Technical Specifications

FOV (Field of View)	80° wide angle
Flash Type	Black Flash (no glow)*
Display	2" IPS Colour LCD (480x360mm) - Front-facing display
Memory Card	MicroSD, up to 512Gb
Image Resolution	5MP / 8MP / 24MP
Video Resolution	1440p (2560x1440) / 1080p (1920x1080) / 720p (1280 x 720)
Video Length	5s / 10s / 15s / 30s
Audio Support	Yes
Trigger Type	Motion (PIR) / Timer (Time Lapse) / Work Day
PIR Type	Multi-zone
PIR Sensitivity	Adjustable (High / Normal / Low / Off)
Trigger Speed	0.3s
Photo Burst Mode	1 - 3 per trigger / activation
Photo+Video Mode	1 Photo then 1 (10-30 sec) video clip per single trigger
Trigger Intervals	0s - 60min
Time-lapse Intervals	5m / 10m / 30m / 1h / 4h / 12h / 24h
Recovery Time	0.1s
Battery	6 x AA (lithium, alkaline, or rechargeable NiMH;1.2v-1.5v/ea)
External Power Input	12v DC
Mounting	Built-in metal pitch angle / Tripod socket / Mounting strap / Security cable lock
Padlock lockable	Yes
Operation Temp	-20 to +60 (°C)
Operation Humidity	5% - 90%
Weight	350g w/o batteries
Dimensions	24 x 17 x 9.3 (cm)
IP Rating	IP65

* The auto-adjustable flash power feature minimizes over exposed images and video clips by automatically detecting the distance the target is from the camera during each trigger and adjusting the flash power / strength accordingly.

Warranty Information

The Camera purchased from our authorized dealers is warranted to be free from defects in material and workmanship for 2 years from the original date of purchase under normal use. Spartan Camera will, at its option, repair or replace your camera with the same or comparable model, free of charge (except you must pay for shipping charges set forth below), for a period of (2) two years from the original date of purchase in the event of a defect in materials or workmanship occurring with normal use. This warranty only extends to the original retail purchaser. Purchase receipt or other proof of date of original purchase is required before warranty performance. The warranty on any replacement product provided under this warranty shall be for the unexpired portion of the warranty period applicable to the original product.

To register your camera, go to spartancamera.com and click on the link labeled Product Registration at the bottom of the page. Fill in all the fields in the form and upload either a picture (JPG) of your paper/printed invoice/receipt or a PDF of your electronic (e.g., email) receipt. (Windows users can create a PDF by printing the invoice but choosing Microsoft Print to PDF instead of their printer.)

Our warranty applies ONLY to the cameras purchased from our authorized dealers.

This warranty extends solely to failures due to defects in materials or workmanship occurring during normal use. It does not cover normal wear of the product. This warranty is void if: the product housing has been removed, if the product's label, logo or serial number have been removed or if the product fails to function properly as a result of accident, misuse, abuse, neglect, mishandling, misapplication, non-compatible batteries, faulty installation, setup, adjustments, improper maintenance, alteration, maladjustment of controls, modification, power surges, service by anyone other than Spartan Camera or Spartan Camera authorized service center or acts beyond the manufacturer's or distributor's control.

Note: The camera is not waterproof; please protect your camera properly for outdoor use.

Should your product prove defective during this warranty period, please contact us to obtain an RMA number prior to returning the defective unit.

An RMA number is required for all returns. Please contact Technical Support support@spartancamera.com to submit your request for an RMA. Shipping costs may apply.

If the product is beyond the warranty period, the price for repairing or replacing may vary. Please allow 6-8 weeks for delivery.

International customers pay a different amount for shipping & insurance. We will send

detailed information along with the RMA number.

Include with your camera the RMA form and a copy of your dated invoice or receipt.

The warranty work will not automatically extend the original warranty period. You have 2 weeks to report any DOA (Dead on Arrival) products so please test product upon receipt.

If you have any questions regarding the warranty of Spartan Camera, please email us at support@spartancamera.com.

Please consult your dealer or Tech Support if you have any question or problem while you use the camera before you request an RMA number and send the camera back for repair. Some problems may be solved easily with help from our dealers or us.

Camera Repair

Repairs for damages not covered by the warranty will be subject to a charge. Please contact Spartan Camera to determine more information and to discuss repair options not covered under warranty.



CUSTOMER SERVICE CONTACT:
E-mail: support@spartancamera.com
Website: www.spartancamera.com
Phone: 1-770-582-0004
9 AM-6 PM Eastern M-F



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