

Spartan Wireless Cameras

User's Manual

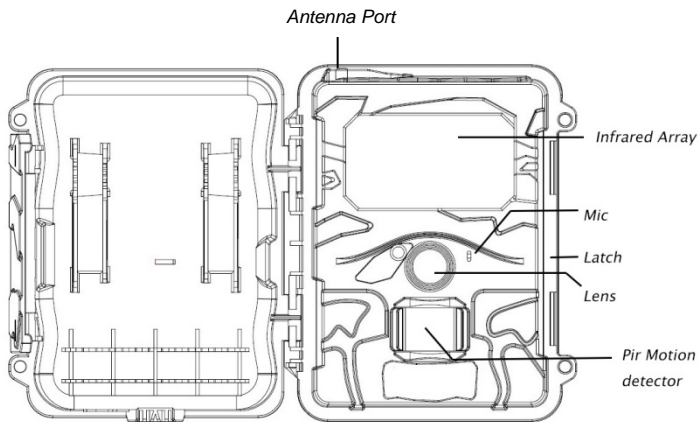
PLEASE READ CAREFULLY BEFORE USING CAMERA

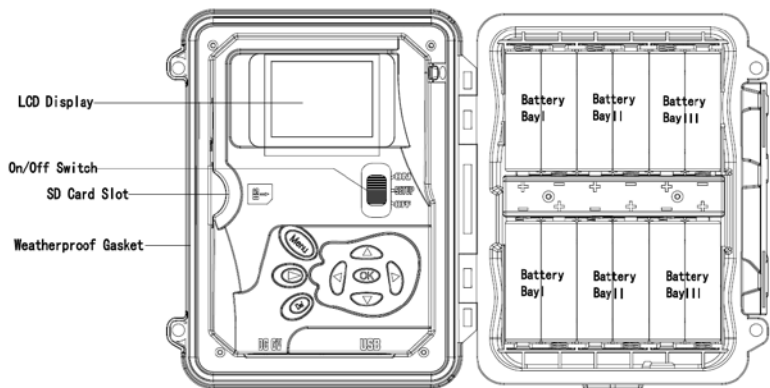
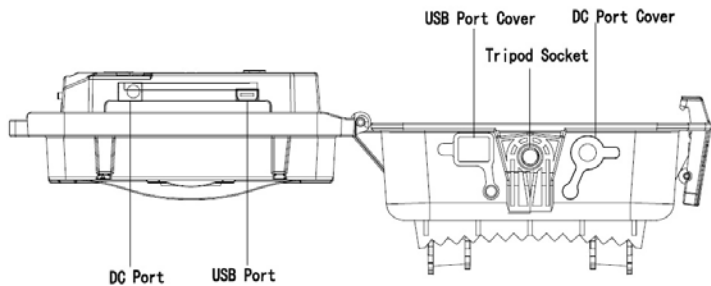


Package Contents


Mounting Strap	1	Trail Camera	1
Antenna	1	USB Cable	1
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Camera Body and Ports






Keys & Buttons

- **MENU**: Enter the program menu in preview mode
- **▲▼◀▶**: Move between the menu items and change the value
- **OK**:
 - Save parameter settings in menu mode
 - Play videos in playback mode
- Playback button : In live preview window, switch between playback and preview mode
- **DEL**: delete an image in playback mode
- Use Shortcuts: In live preview window,
 - **▲** is the shortcut to choose **Video** mode, and
 - **▼** is the shortcut for the **Camera** mode
 - **OK** is for capture photos or record a video manually
- Mode (Power) Switch: ON at top. SETUP in the middle. OFF at the bottom






Quick Start

1. Make sure the power switch is at **OFF** position. Load the batteries into the battery compartment according to the polarities indicated. Load a set of 12 (recommended), 8 or 4 (emergency, left 2 columns) batteries. Or connect 6 V external power supply to the camera by using the correct cable and external battery.

The following batteries can be used:

- High-performance alkaline batteries
 - Lithium batteries
 - Rechargeable Ni-MH batteries
2. Insert a SD card (32GB or smaller). Open the camera and insert the SD card into the card slot. Refer to the card symbol on the case for proper orientation. The camera supports up to 32 GB SD card. Please note that the SD-card should not be locked.
 3. Insert a SIM card.
 4. Screw the antenna onto the antenna jack on the top of the camera. Make sure it's all the way in but **DO NOT** over tight it.
 5. Slide the power switch to the **SETUP** position. The camera will enter the live preview mode and start searching the network.
 6. Wait until the camera finds the network. If the wireless carrier is not found, you will need to go to the Advanced Wireless Setup section on Page 10. If the wireless carrier is found, please go to the next step.
 7. Press  button to enter into the menu, then press ◀ or ▶ buttons

to move between the tabs (submenu) which contains different group of items. Press the ▲ or ▼ buttons to activate the submenu and edit different items. Press ◀▶ to change the value. Press the OK button to save.

8. Navigate to the Wireless tab; scroll down to enter the submenus. Change the Send Mode to Instant. Leave the Send To on Phone mode if you are sending the email to a cell phone number. Or change to Email mode if you are sending to your email address. Scroll down to Phone or Email and input the phone number or email address of the recipient there.
9. Press  button to exit from the submenu. Press the MENU again to exit from setup menu and enter the live preview mode.
10. Press the OK button to capture image or record video manually.
11. Press the playback button to playback. Use the ◀ or ▶ buttons to go through the images. Press ▲ or ▼ button to choose magnification times. Press OK and ▲▼◀▶ to move the magnified area.
12. Press Playback button  to exit.
13. While reviewing the image, press  button to delete the current image, or press  button to delete the current one or all the images.
14. Press Playback button  to exit the playback mode.
15. Place the camera at the target area and turn on the camera (slide the power switch to ON). Please remember to switch to ON from SETUP after the camera finishes searching network. The camera will take pictures or videos as programmed. The height from the ground for placing the camera should vary with the object size appropriately. In general, 3-6 feet is preferred.
16. Push the power switch to the OFF position to power off the camera.

Please note that even in the OFF mode, the camera still consumes a small amount of battery power. Therefore, please remove the batteries if the camera is not in use for an extended time.



Menu Settings

Switch the camera to **SETUP** mode & press **MENU**. Press **▲▼◀▶** to select the desired value, And then press **OK** to save.

Setting Items		Description
CAM	Mode	Choose to take Photo / Video.
	Photo Size	Choose the image size, e.g. 5MP, 8MP or 3MP.
	Photo Burst	Choose the number of images taken after each trigger (1-5).
	Burst Interval	Choose the interval time length between the images taken in burst mode (Long / Short).
	Video Size	Choose the video resolution.
	Video Length	Set the video length to the desired duration.

PIR	Sensitivity	Select between High, Low, Normal and OFF.
	Trigger Interval	The sleeping time after each trigger.

	Time Lapse	The camera can be triggered by timer at a preset time interval. Please note that even in Time Lapse mode, the camera still can be triggered unless the Sensitivity is set to OFF.
	Start-Stop 1/2	The camera can be set to operate only at specific time period. To enable this function select ON and press ok. The start-stop menu will then appear. 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 will override all other general camera settings. Since there are 2 periods available, make sure to not program times that overlap.

SYS	Set Clock	Enter to set the Date and Time.
	Time Stamp	ON /Off. Choose if the image stamp is to be shown or not.
	Flash Power	High / Low. Infrared Flash Power:
	Format	Format the SD card. This will erase all data on the SD card. This cannot be undone.
	Overwrite	ON/OFF. If ON, once the SD card is full, the camera will delete the oldest images / video and keep recording the new images / videos.



	Default	Restore all settings to factory default values.
	Information	Show version of firmware on the camera.
	Password	This option allows a 6 digits password to be set.

Wireless	Send Mode	Choose to send the image Instantly, just send the Daily report or just turn the wireless function Off.
	Send To	Send the images to Phone, Email or Both.
	Send Via	Choose to send the image via MMS (MMS plan) or Internet (Data plan).
	SMS Control	Turning the SMS command function On or Off. Turning the SMS command function On will increase the power usage.
	Update Para	If your wireless carrier's network parameters are not pre-programmed into the camera from the factory, you will need to use the Setup Tool to program in manually. After you use the Setup Tool, a MMSCFG.bin file will be generated and put on the SD card. You will need to run Update Para to write the settings to the camera.
	Phone	Input the recipient Phone number.
	Email	Input the recipient Email address.

	Setup Tool	Download the Setup Tool to your SD card so you can set up the carrier's network parameters if they are not pre-programmed to the camera. It will also allow user to set up some advanced functions.
	Copy Para	Copy the current network parameter settings to the SD card.




Playback Button (Viewing Photo or Video)

- Switch to **SETUP** mode.
- Press Playback button  to view the latest picture (or video).
- Press OK button to start playing the video clips.
- Press OK button to stop playing and return to playback mode.
- Press ◀ button to view the previous image and press ▶ button for the next.
- Press the Playback button  playback button again to exit the playback mode.



Delete Photo or Video

- Press Playback button  to view the image (or video) which to be deleted.
- Press **DEL** button.
- Press **LEFT** or **RIGHT** to select Yes to execute or No to Exit.
- Please note that after deleting a picture or a video file, the deleted files can't be restored!

How to use the Setup Tool

If your wireless carrier's network parameters are not pre-programmed into the camera from the factory, you will need to use the Setup Tool to program them into the camera manually.

1. Go to the camera Menu > Wireless > Setup Tool. Download the Setup Tool to your SD card from the camera menu.
2. Take the SD card out and read the SD card from your computer. The setup tool will only work on PC. Run HCOSetup.exe on your SD card.
3. You will see the setup window as below:
4. Fill in the settings you prefer into the blank fields. These settings will overwrite the existing settings from the camera.
5. Operator Parameters: Choose Custom and fill in the parameters obtained from your wireless carrier.
6. Max Image Size: It defines the max image size can be sent wirelessly. We recommend keep it under 100KB for faster sending process and save power.
7. Image From will generate a title for each image received so the user will know where the images come from.
8. SMS Status Response will allow the camera to send the user a response after it receives the user's SMS command.

Wireless Camera Setup v0.9

Send Mode

Instant

Daily Report :

Off

Send Via

MMS

Internet

Operator Parameter

Country

Operator

Send To

Phone

Email

Both

Recipients

<input type="checkbox"/> Phone1	<input type="text"/>	<input type="checkbox"/> Phone2	<input type="text"/>
<input type="checkbox"/> Phone3	<input type="text"/>	<input type="checkbox"/> Phone4	<input type="text"/>
<input type="checkbox"/> Email 1	<input type="text"/>	<input type="checkbox"/> Email 2	<input type="text"/>
<input type="checkbox"/> Email 3	<input type="text"/>	<input type="checkbox"/> Email 4	<input type="text"/>

Other

Max Image Size KB Image From

SMS

SMS Control Status Response

Technical Specifications

Picture Resolution	8MP
Video Resolution	WVGA (800*480@30FPS) / QVGA (320*240@30FPS) / 720p @30fps / 1080p @10fps
Trigger Time	1s
Lens	FOV (Field of View) = 52°
Night Illumination	InfraRed
Display Screen	2.0" LCD
Memory Card	up to 32GB
Trigger	Motion (PIR) / Timer (Time Lapse)
PIR Sensitivity	Adjustable (High/Normal/Low/Off)
Temperature	-4 - +140F (Operation) -22 - +158F (Storage)
Trigger Interval	0s – 60 min
Time Lapse Interval	5s – 60s/1 min–60 min/1 hr - 8 hrs
Photo Burst	1–3
Video Length	1–30s
Power Supply	4xAA, 8xAA or 12AA / External Power
Stand-by Current	< 0.20 mA (<5mAh/Day)
Sound Recording	Available
Mounting	Tripod/Mounting Strap/Python lock
Weight	0.8 lbs
Dimensions	6 x5x3.5 inches
Operation Humidity	5% - 90%

WARRANTY INFORMATION

The Camera purchased from our authorized dealers is warranted to be free from defects in material and workmanship for 2 year from the original date of purchase under normal use. HCO Outdoor Products 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 (1) one year 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.

*Sorry but our warranty is ONLY applied to the cameras bought 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 HCO or HCO 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 outdoors use.

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

*RMA number is required for all returns.

Include \$11.95 for return shipping & insurance. (For U.S. customers only. CHECK OR MONEY ORDER ONLY PLEASE, NON-REFUNDABLE). 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 different amount of 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 cash register receipt or other proof of purchase.

The warranty work will not automatically extend the original warranty period.

The customer has 2 weeks to report any DOA (Dead on Arrival) products (please test product upon receipt).

If you have any questions regarding the warranty of HCO products, please send us an email at support@hcooutdoors.com.

*Please consult your dealer or us if you have any question or problem while you use the camera before you request a 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 HCO Outdoors to determine more information and to discuss repair options not covered under warranty.



CUSTOMER SERVICE CONTACT

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