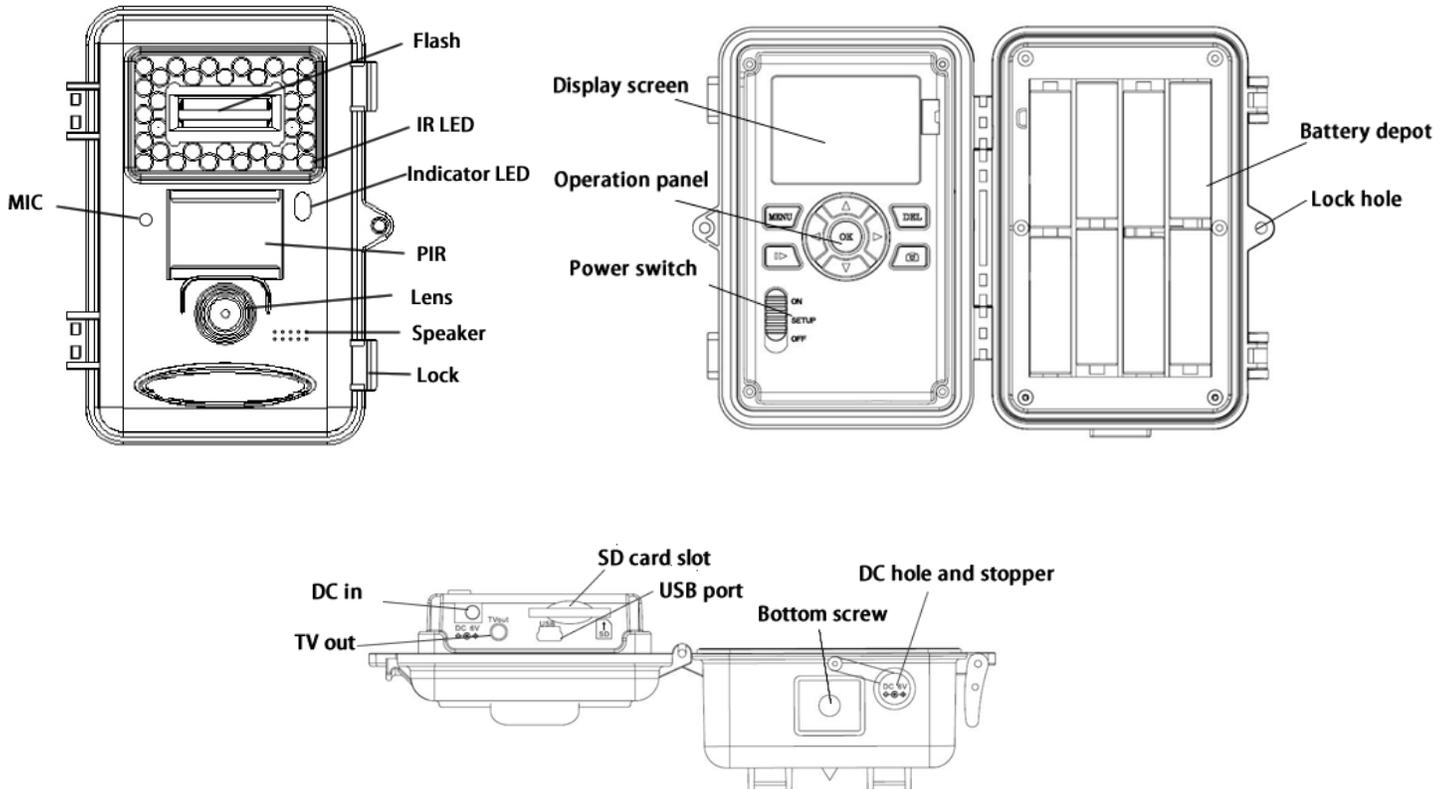


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## 1. Getting Started



## 2. Camera Operations

### 2.1 Batteries / Power Supply

The camera is powered by four or eight AA batteries - High-density, high-performance alkaline, rechargeable Alkaline or NiMH batteries are recommended. When the batteries are low, the camera will beep twice and automatically shut down.

A DC 6-Volt, 2 Amp external power supply adapter can also be used to power the camera (not included).

### 2.2 SD Card Information

- **Insert the SD card into the camera before turning on the camera**  
This camera supports up to a 32GB capacity SD card and has no built-in internal memory. The camera will not function without the SD card properly inserted into the camera.
- **Make sure the SD card is unlocked before inserting the SD card into the camera**  
The camera will operate normally with a locked SD card inserted, but the card will not be able to store captured images or videos taken by the camera.
- **Do not remove the SD card while the camera is on**  
By removing the SD card while the camera is on risks damaging the internal components of the camera.
- **If you experience any problems with an inserted SD card**  
Try reformatting the SD card, utilizing the camera's main settings option.

### 2.3 Camera Modes

The different modes are accessed by sliding the power switch to the different positions marked on the camera:

- **OFF Mode**  
Turns the camera off. The camera will still consume a small amount of power while in OFF mode. It is recommended to remove the batteries if the camera will not be used for a long period of time.
- **TEST/SETUP Mode**  
Customize the camera settings, or play back pictures and videos the camera has taken on the LCD display.
- **ON Mode**  
Camera will take pictures or video when motion is detected and/or at specific time intervals, according to the programmed settings. After switching the camera to the ON position, the motion indicator LED (red) will blink for about 10 seconds and then turn off. This preset time allows you to adjust the cameras position if needed, before the camera becomes active.

### 2.4 Manual Image / Video Capturing

Place the camera in ON mode and press  to manually capture photos or record video. Press  again to stop capturing video.

## 2.5 Manage Images and/or Videos

Place the camera in TEST/SETUP mode and press  to view images or videos. The latest image or video will be shown on the LCD screen.

- **To view:**  
Press  or  to view the previous or next image or video. Press OK to start a video.
- **To delete:**  
Press DEL to delete images or videos. The DEL button works in the Playback state. If you are in Preview state, press  to enter into the Playback state first.

## 2.6 Trigger Modes

There are 3 different trigger modes for the camera: PIR Trigger/Sensitivity, Time Lapse, and a combined PIR/Time Lapse mode. These modes are activated by three different menu options (PIR Trigger/Sensitivity, PIR Interval, and Time Lapse).

- **PIR Trigger/Sensitivity**  
The camera will activate when motion is detected. If the PIR Trigger/Sensitivity option is set to OFF, the camera will not respond to any motion within the camera's range.
- **Time Lapse**  
The camera will activate at the set time interval regardless of motion detection. If the Time Lapse option is set to OFF, this trigger function will be disabled.
- **Combined PIR/Time Lapse**  
For the combination of both PIR and Lapse triggering, the following settings must be set correctly:
  - PIR Trigger/Sensitivity must NOT be set to OFF
  - The Time Lapse interval must be set to a non-zero value.

The camera will capture pictures or video when motion is detected and at the preset time, regardless of motion detection.

### **Additional PIR settings to note:**

- **PIR Interval**  
This setting indicates how long the PIR sensor will be disabled after each camera triggering. During this interval time, the camera will not react to any detected motion or activate at the scheduled Time Lapse interval.

Further detailed information about the trigger modes can be found in *Camera Setup Options* section of the manual.

## 2.7 Game Call

The camera can play an audio file to attract wildlife at a preset time. The WAV audio file must be saved on the SD card in the directory of \DCIM\100BMCIM\ with a unique name between IMAG0001-IMAG0099.

### Options to remember:

- Make sure the camera's clock is set correctly.
- **Start h-m:** Sets the time the game call starts playing
- **Replay Times:** Sets the number of times the game call will play until a picture is taken

Below are the steps for moving the game call WAV file onto the SD card:

- Insert the SD card into a PC
- The game call audio file must be named IMAGxxxx (xxxx must be a 4 digit number between 0001-0099). If there are picture or video files already on the SD card, choose a name that is not already in use (Example: IMAG0032. If you can view file suffixes, the complete file name would be IMAG0032.WAV)
- Copy the game call .wav file onto the SD card in the specified directory folder
- Insert the SD card back into the camera
- Go into setup mode and play the game call file to make sure it is working
- Set the game call option to ON
- Set the time preferred for the game call to start playing and how many times the game call will repeat

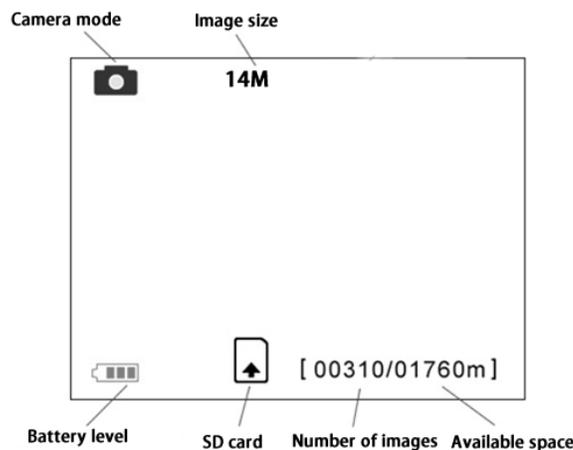
## 3. Camera Setup Settings & Display

### 3.1 Settings Interface & Display

To update the camera settings, place the power switch to the TEST/SETUP position.

- **MENU: Enter the program menu in Preview Mode**
  - ▲▼◀▶: for parameter settings
  - OK: Save parameter settings and play videos
  - ▶: Exchange between playback and preview
  - DEL: to delete an image or video
  - 📷: Capture a photo or record a video manually

When the camera is in TEST/SETUP Mode, the screen will activate and display the following:



### 3.2 Camera Setup Options

To view the camera settings menu, slide the power switch to TEST/SETUP mode and press MENU on the remote. Use ▲ or ▼ keys to select the sub-menu. Use ◀ or ▶ keys to select the different options. Press “OK” to save the settings.

**After changing EACH setting in the Setup menu, you must press OK or the camera will retain the previous setting.**

*Dependent on the model and firmware version, not all Menu options may be available on your specific camera.*

| Menu Options           | Descriptions  |
|------------------------|---|
| <b>Language</b>        | Choose the language you prefer. Language options include: English, Finnish, German, Swedish, Danish, Norwegian, Czech, Russian and Italian.<br><b>Default: English</b>  |
| <b>Camera Mode</b>     | Choose between capturing images, videos or both at the same time: Photo, Video, Pic+Video<br><b>Default: Photo</b>  |
| <b>Photo Size</b>      | Choose the image size: 8MP, 14MP, or 20MP (mega pixel) options are available.<br><b>Default: 14 MP</b>  |
| <b>Photo Burst</b>     | Choose the number of photos taken after the camera is triggered: 1 Photo, 2 Photo, or 3 Photo. <i>If Pic+Video is selected, Photo burst defaults to 1 photo, regardless of entered value.</i><br><b>Default: 1 Photo</b>  |
| <b>Video Size</b>      | Choose the video size: 1280x720 or 640x480.<br><b>Default: 1280 x 720</b>   |
| <b>Video Length</b>    | Choose the duration of the video recording: Valid values extend from 5 to 180 seconds with a one second delay. Press ◀ and ▶ keys to decrease or increase the video length.<br><b>Default: 10 seconds</b>   |
| <b>Illumination</b>    | Choose the illumination distance: ShortRange and LongRange. The camera will decide  |
| <b>Object Distance</b> | This camera supports dual focus, capturing sharp, clear close photographs from 0.8m to 3.3m – Good for birdwatching (Near) and standard distance photos (Far).<br><b>Default: Far</b>   |
| <b>Game Call</b>       | This allows the camera to play an audio file at preset times - The audio file(s) must be saved in the directory of \DCIM\100BMCIM\ with the name, AUDIxxxx.WAV (Replace xxxx with 0001 to 9999): Off or On<br><b>Default: On</b>  |
| <b>Working Hour</b>    | This setting allows the camera to be active only during the set period of time per day. If activated, the camera will NOT take pictures or video outside of the specified working hour, regardless of any other setup option settings. The values are set to military time that range from 00:00 to 23:59.<br><b>Default: OFF</b> |
| <b>Time Stamp</b>      | This setting allows you to include or exclude time/date information displayed on the photos or video the camera captures: Off or On<br><b>Default: On</b>   |
| <b>Recycle Storage</b> | This setting allows new pictures or video to overwrite the oldest content on the SD card when the SD card is full: Off or On.<br><b>Default: On</b>   |

cont.

| Menu Options                                     | Descriptions   |
|--|--|
| <p><b>Time Lapse</b></p>                         | <p>The camera can capture images or videos at a preset time interval regardless of motion detection. Changing this setting to a non-zero value turns on Time Lapse mode and the camera will take photos at the set interval time – Values range from 5 minutes to a maximum of 8 hours.</p> <p><i>If PIR Trigger/Sensitivity and Time Lapse options are BOTH OFF, the camera will not capture any photos or videos.</i></p> <p><b>Default: OFF</b></p>   |
| <p><b>PIR Trigger/Sensitivity</b></p>            | <p>This setting is for the sensitivity of the PIR sensor. There are four sensitivity parameters: High, Normal, Low and Off. It is recommended to use HIGH sensitivity in areas with little environmental interference and also for warmer, humid temperatures or climates. Use LOW sensitivity for areas that have a lot of interference. The sensitivity of the PIR is effected by temperature. Higher temperatures leads to lower sensitivity.</p> <p><i>If PIR Trigger/Sensitivity and Time Lapse options are BOTH OFF, the camera will not capture any photos or videos.</i></p> <p><b>Default: Normal</b></p> |
| <p><b>PIR Interval</b></p>                       | <p>This setting indicates how long the PIR sensor will be disabled after each camera triggering. During this time the PIR sensor will not react to any detected motion or scheduled timer functions. The PIR Interval can be set between zero seconds to a maximum of 1 hour. Press LEFT or RIGHT to decrease or increase the desired PIR Interval time.</p> <p><b>Default: 5 seconds</b></p>  |
| <p><b>Camera Posit</b><br/>(Camera Position)</p> | <p>Used for multiple cameras in an area. You can set an A-Z indicator for each of your cameras in order to distinguish between which photos are from a specific camera.</p> <p><b>Default: Off</b></p>   |
| <p><b>Beep Sound</b></p>                         | <p>Enable or disable the sound the camera will make while navigating the menu settings.</p> <p><b>Default: On</b></p>  |
| <p><b>Set Clock</b></p>                          | <p>Set the cameras date and time. The date format is month/day/year. The time format is hour: minute: second. The valid values for the year is between 2015 and 2050.</p>  |
| <p><b>Format SD</b></p>                          | <p>All information on the SD card will be deleted. Make sure that you have made a backup of important data already on the SD card.</p>   |
| <p><b>Version</b></p>                            | <p>Shows firmware and IMEI (International Mobile Equipment Identity) information of the camera.</p>  |
| <p><b>Default Set</b><br/>(Default Settings)</p> | <p>Restore all settings back to the default values.</p>  |

## 4. Technical Specifications

|                               | SG2060-K  | SG2060-U        | SG2060-X        |
|-------------------------------|---|-----------------|-----------------|
| Picture Resolution            | 8/14/20 MP  | 8/14/20 MP      | 8/14/20 MP      |
| Video Length                  | 5 to 180 sec  |                 |                 |
| Detection Range               | 100ft.  | 100ft.          | 100ft.          |
| Illumination Distance         | 90ft.   | 90ft.           | 90ft.           |
| Image Sensor                  | 14MP Color CMOS                                     | 14MP Color CMOS | 14MP Color CMOS |
| Aperture                      | <i>f/ 2.4</i>                                       | <i>f/ 2.4</i>   | <i>f/ 2.4</i>   |
| Field of View                 | 57 degrees  | 57 degrees      | 57 degrees      |
| Trigger Time                  | < 1.2 sec   | < 1.2 sec       | < 1.2 sec       |
| Memory Card                   | 64GB max  |                 |                 |
| Display Screen                | Built-In 2" LCD                                     | Built-In 2" LCD | Built-In 2" LCD |
| Photo Burst                   | 1 to 3 photos*                                      |                 |                 |
| Sound Recording               | Yes   | Yes             | Yes             |
| Operating Ambient Temperature | -20 degrees to + 60 degrees C                       |                 |                 |
| Non-Operating Temperature     | -30 degrees to + 70 degrees C                       |                 |                 |
| Relative Humidity             | 5% to 90% noncondensing                             |                 |                 |
| Dimensions                    | 140x80x50mm   | 140x80x50mm     | 140x80x50mm     |
| Unit Weight                   | ~ 0.25kg  | ~ 0.25kg        | ~ 0.25kg        |
| Power Supply                  | 4 or 8 AA batteries or 6v, 2A external power supply |                 |                 |
| Standby Power Consumption     | <300uA  | <300uA          | <300uA          |
| Compliances                   | FCC, CE, RoHS                                       |                 |                 |

\* When Camera Mode is set to Pic+Video, Photo Burst option automatically disables, resulting in only one picture captured along with the video. When Camera Mode is set to Photo, Photo burst option will operate normally as specified.

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