



NUM axes PIE1069 Trail Camera User Manual

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NUM'axes

Trail camera
PIE1069



CE SIMPLIFIED EU DECLARATION OF CONFORMITY

NUM'AXES declares that the equipment type PIE1069 is in compliance with Directive 2014/30/EU (EMC).
The full text of the EU declaration of conformity is available on the following website:

<https://www.numaxes.com>

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Contents of the product

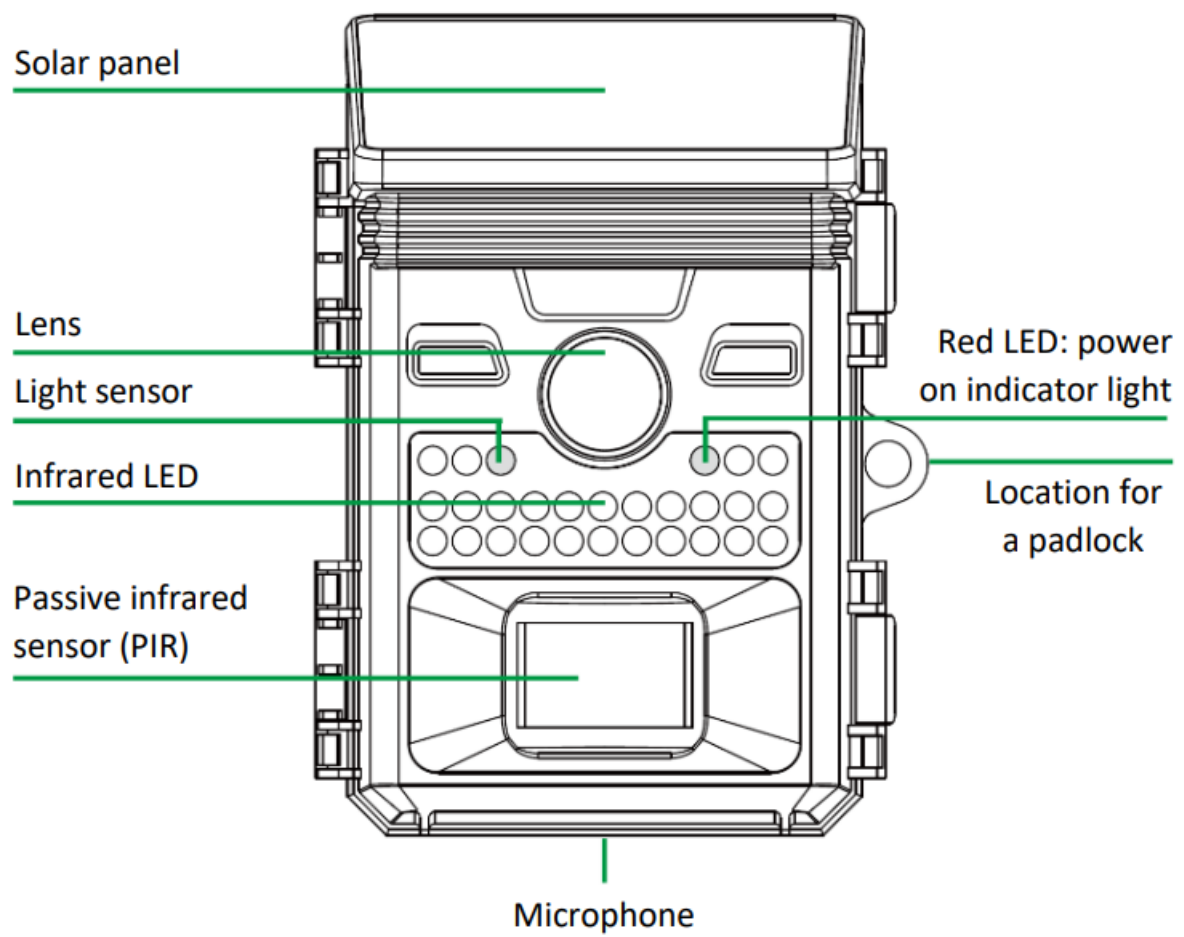
PIE1069 – Ref. NGPIEPHO075

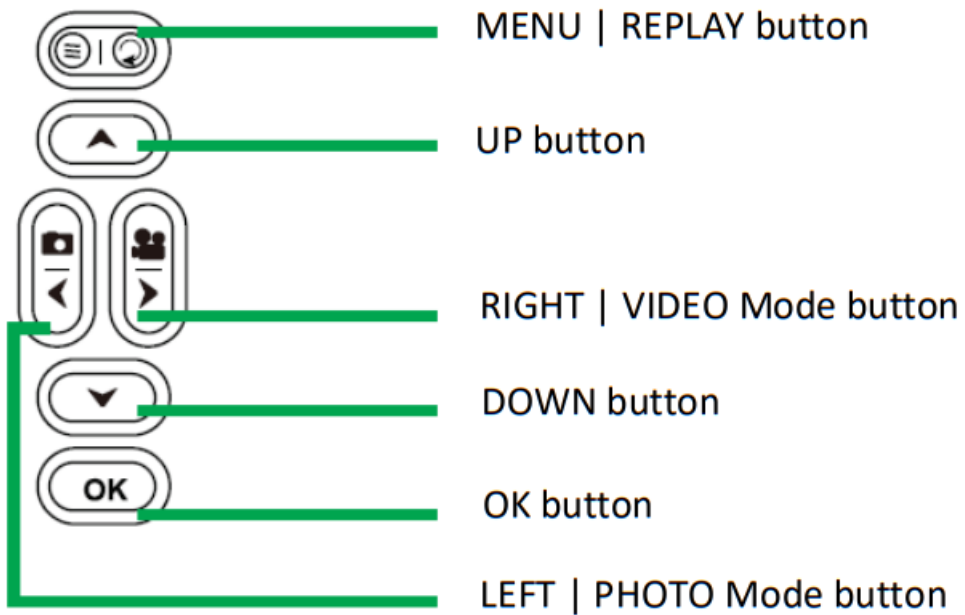
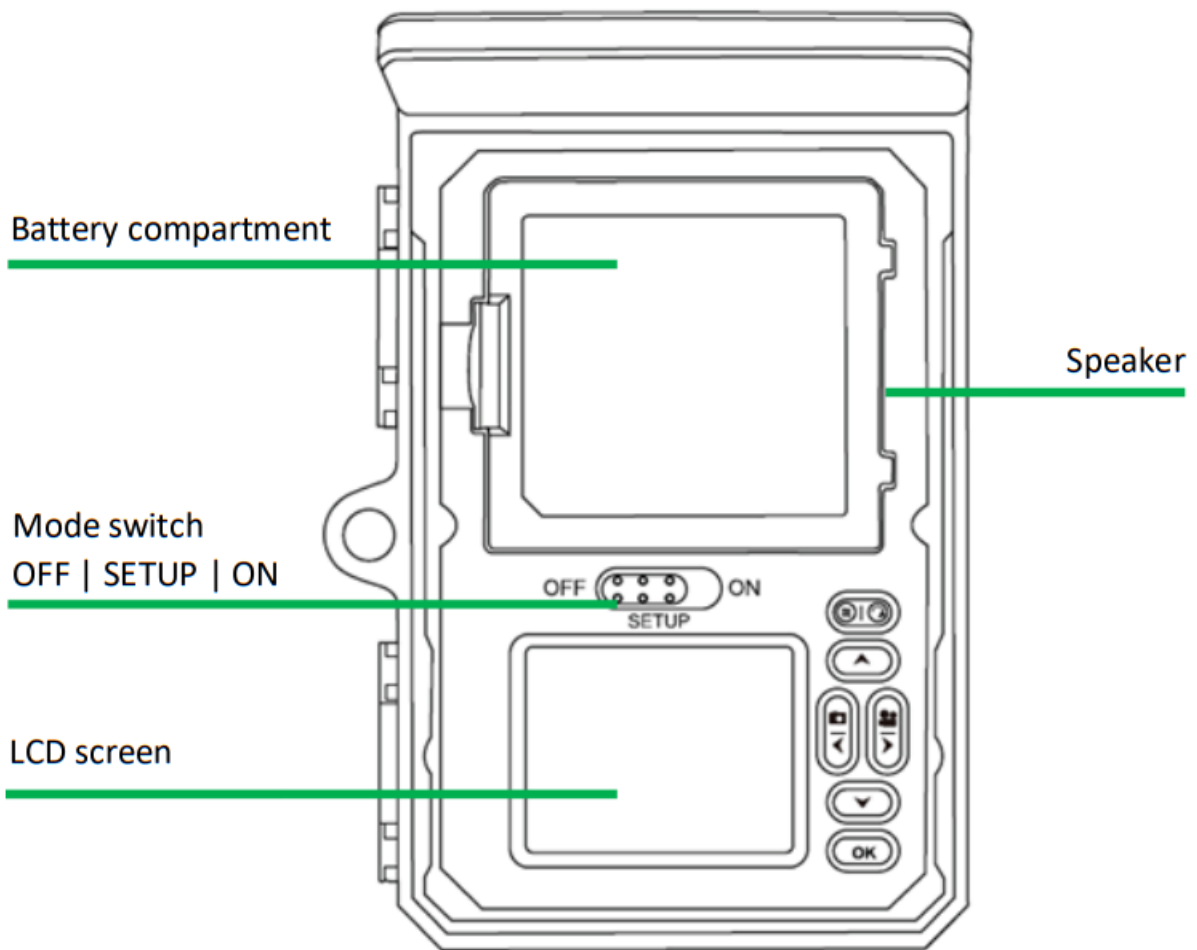
- 1 PIE1069 trail camera
- 1 USB cable
- 1 wall-mounting kit
- 1 mounting strap
- 1 quick start guide

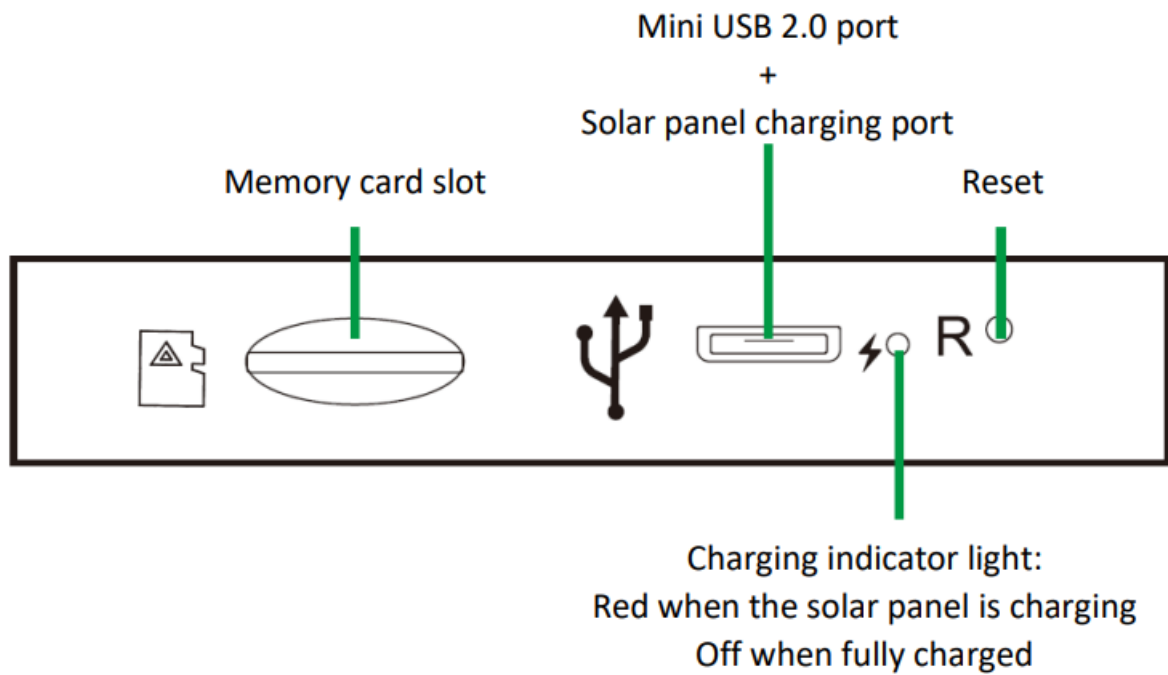
PIE1069 PACK – Ref. NGPIEPHO079

- 1 PIE1069 trail camera
- 4 AA batteries
- 1 32GB memory card
- 1 USB cable
- 1 wall-mounting kit
- 1 mounting strap
- 1 quick start guide

Presentation of the product







Power supply

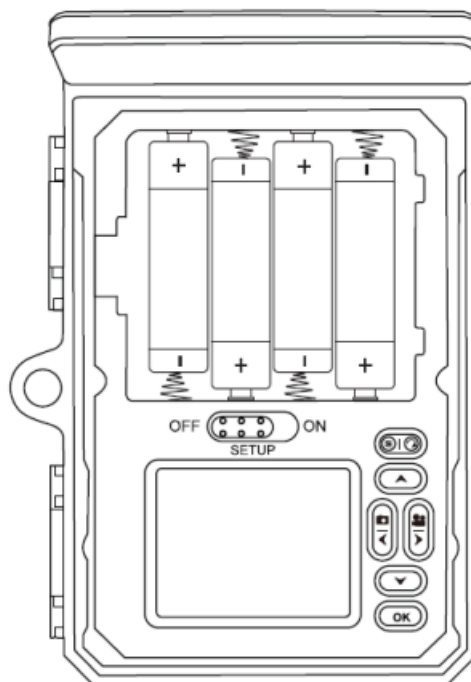
3.1. Batteries

The camera runs on 4 AA size batteries. The product can work with alkaline or Ni-MH rechargeable batteries. You can purchase alkaline or Ni-MH AA batteries at any time on www.numaxes.com. Before inserting or removing the batteries, the camera must be turned off (switch in the OFF position).

When inserting the batteries, make sure to follow polarities indicated inside the battery compartment. Upside down batteries may cause device malfunction.

NOTE: Don't mix battery types! This may cause permanent damage not covered by the guarantee.

Remove the batteries from the camera if you are not using it for 3 months or more. The batteries could leak and damage your product.



The device can be operated without batteries, with the solar panel only, but this is not recommended. In case of low temperatures or low light conditions, it is recommended to use AA batteries in conjunction with the solar panel.

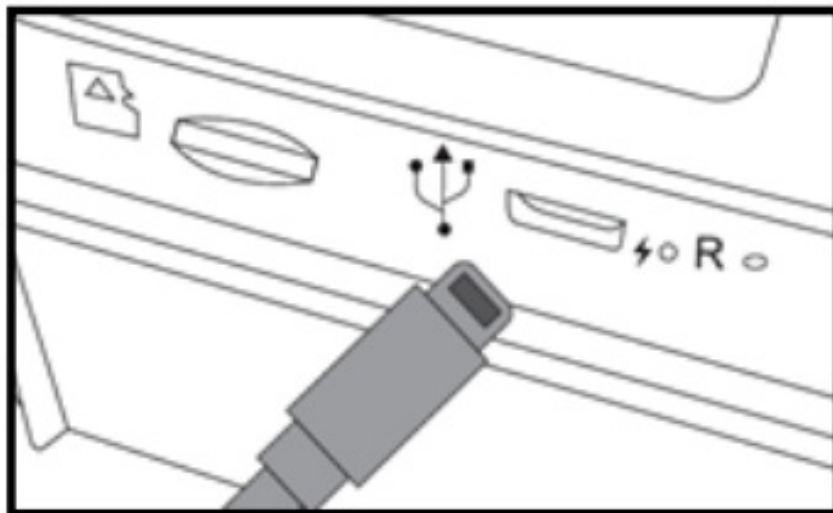
3.2. Solar panel

Fully charge the battery of the solar panel before using the product.

The solar panel built-in battery can be charged with solar energy or with the supplied USB cable.

The trail camera uses energy from the solar panel first before using energy from the batteries.

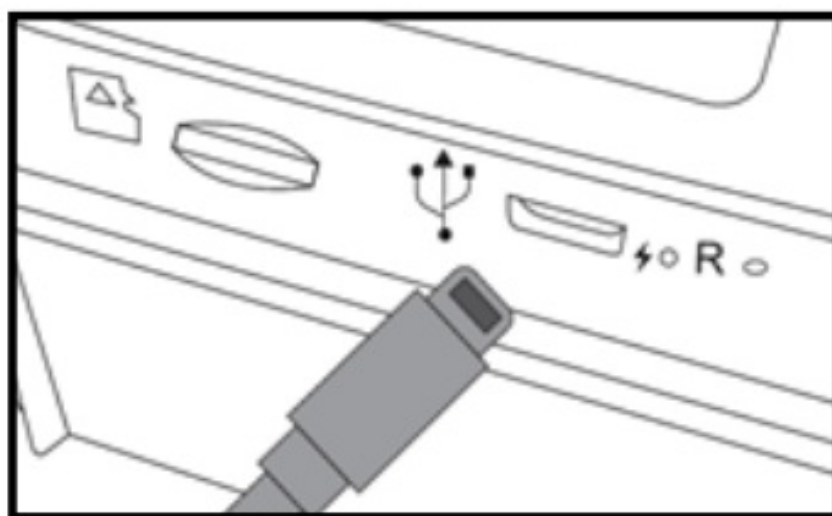
NOTE: the solar panel can't charge Ni-MH batteries installed in the battery compartment.



3.3. External power supply

The device can also operate with an external power supply (5V/1A).

We recommend removing the AA batteries when an external power supply is used.



Installing the memory card

The camera doesn't have an internal memory.

Using a memory card is required to operate the camera (micro-SD card from 4GB up to 128GB maximum – class 10 minimum).

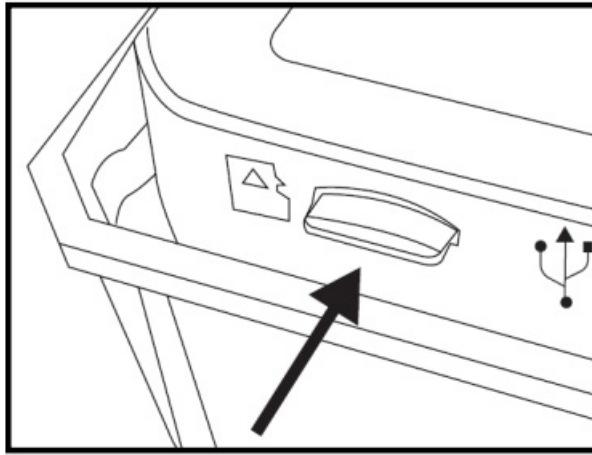
You can purchase micro-SD cards at any time at www.numaxes.com.

In SETUP mode, if no memory card is inserted, the LDC screen displays “No memory card”.

Before inserting or removing the memory card, the camera must be turned off (switch in the OFF position). Failing to do so may cause loss of or damage the files already recorded on the card.

Formatting the memory card in the trail camera before using it for the first time is strongly recommended, especially when the card has been used in other devices. A memory card formatted in another device may not be compatible.

When the memory card is full, the LCD screen indicates “Memory full”.



Operation

5.1. Turn ON the camera

Put the switch in the ON position; the camera is ready to work.

The red start-up indicator light located on the front cover will blink and the LCD display will count down 5 seconds. This interval allows you time to close the camera front cover and leave the monitored area.

Once in the ON mode, the camera will take photos and/or videos according to its current parameter settings.






NOTE: the camera comes pre-programmed with factory default settings. So, for test purpose, you only need to insert the memory card and AA batteries then power on the camera (switch in the ON position).

5.2. Turn OFF the camera

Slide the switch to the OFF position to turn off the camera. Please note that even in OFF mode, the camera still consumes power at a very low level. Therefore, please remove the batteries if the camera will not be used for a long time period.

The OFF mode is the “safe mode” for actions such as: replacing the memory card or batteries, or transporting the camera.

5.3. Buttons functions in SETUP mode (selector in SETUP position)






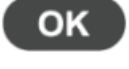
	Press this button twice to enter the settings MENU . Press this button once to start the REPLAY mode.
	Allows you to take a photo or start recording a video and then stop it. In this mode, the video length is not limited.
	Allows you to check the charge level of the AA batteries.
	Switch to Photo mode.
	Switch to Video mode.

5.4. Customizing the operating settings

To enter the camera settings MENU, slide the switch to the SETUP position (the LCD screen will light up), then

press twice on the  button.

Buttons functions in the settings MENU

	Allows you to close the main menu or a sub-menu Return to the previous page
	Allows you to go up in a menu or increase a value by 1
	Allows you to go down in a menu or decrease a value by 1
	Allows you to go left
	Allows you to go right
	Allows you to open a selection or accept the selected settings Confirm each change made to a setting by pressing the OK button. If the change is not confirmed by pressing the OK button, the new setting will be lost when you exit the menu.

GENERAL MENU (displayed by default)



Mode	Photo
PIR interval	0:20
PIR sensor sensitivity	High
Time Lapse	OFF
Cycle recording	ON
IR LED brightness	Auto
Low power night capture	No capture
Operating periods	OFF
Frequency	60 Hz

Settings	Programmable options (default settings in bold characters)
Mode	Photo Video Photo + Video – <u>Photo</u> : the camera will only shoot photos. – <u>Video</u> : the camera will only shoot videos. – <u>Photo + Video</u> : upon the same trigger event, the camera will shoot photo(s) first then a video.
PIR interval	Default PIR interval: 20 seconds Programmable from 5 seconds (00:05) to 59 minutes 59 seconds (59:59) Allows you to set the desired time interval between photos/videos upon motion detection by the PIR sensor. <u>Example</u> : if the PIR interval is set to “01:00”, the camera will wait 1 minute between photo/video recordings with motion.
PIR sensitivity	High Medium Low With the PIR sensitivity set to High, the PIR sensor: – is more sensitive to movements by smaller subjects; – offers longer detection distance; – can more easily detect a difference between body heat and outdoor temperature; – can more easily trigger the camera. In high temperature environment, subjects body heat and environment temperature are hard to tell by the camera, the suggested setting is high. However, it is recommended to use low PIR sensitivity in environments with lots of interference like hot wind,

	smoke, near window, etc. This will prevent untimely triggering
Time Lapse	OFF ON With “Time Lapse” ON, the camera will capture photos or videos automatically at a pre-set time interval. WARNING: when the Time Lapse parameter is set to ON, the PIR sensor is deactivated (there is no motion detection). Select “ON” then press OK to set the interval; the camera will shoot photos or video clips automatically upon the user set interval. Time Lapse programmable from 00:00:05 up to 23:59:59. <u>Example:</u> if Time Lapse is set to 00:30:00, the camera will automatically capture photos/videos every 30 minutes. The “Time Lapse” feature can work together with the “Operating periods” feature.
Cycle recording	OFF ON When the memory card will be full, the camera will continue to record photos/videos by deleting the oldest photos/videos. Select “OFF” then press the OK button to deactivate the cycle recording function.
IR LED brightness	Auto Medium Low OFF This parameter allows you to adjust the brightness of the infrared flash
Low power night capture	No IR flash No capture – <u>No IR flash:</u> At night, if the power level is too low (solar panel battery, AA batteries), the device will take photos/videos without triggering the infrared flash. – <u>No capture:</u> at night, if the power level is too low (solar panel battery, AA batteries), the device will no longer take photos/videos.
Operating periods	OFF ON Each day, the camera will work only during the user set time period(s). Two different periods can be programmed.

	Select “ON” then press OK to set the start time (Hr:Min) and end time (Hr:Min) of the desired working period(s). <u>Example:</u> If “Period 1 – Start” is 15:00 and “Period 1 – End” is 18:00; each day, the camera will work only between 15h00 (03:00 PM) and 18h00 (06:00 PM). The “Operating periods” feature can work together with the “Time Lapse” feature.
Frequency	50 Hz 60 Hz An improper setting may cause the camera screen to flicker.

PHOTO MENU



Photo resolution	8 MP
Multi-shot	1 photo
Shutter speed	1/30

Settings	Programmable options (default settings in bold characters)
Photo resolution	20 MP 16 MP 12 MP 8 MP 5 MP 2 MP Higher resolution produces better quality photos but creates larger files that take up more of the memory card capacity (fills up faster).
Multi-shot	1 photo 2 photos 3 photos 4 photos 5 photos 6 photos 7 photos 8 photos 9 photos 10 photos Programmable from 1 up to 10 photos per trigger
Shutter speed	1/15 1/20 1/30

VIDEO MENU



Video resolution	720P 30
Video length	10
Audio recording	ON

Settings	Programmable options (default settings in bold characters)
Video resolution	1296P 30 1080P 30 720P 30 480P 30 368P 30 s Higher resolution produces better quality videos but creates larger files that take up more of the memory card capacity (fills up faster). 30 = 30 FPS = frames per second
Video length	Default video length: 10 seconds Programmable from 5 seconds up to 180 seconds
Audio recording	OFF ON Allows you to activate or deactivate the audio recording on the videos.

SETTINGS MENU



Language English Default settings Format memory card Date/Time AA batteries charge level Time format 24 hours Time stamp ON	Beep sound OFF Camera name Camera password OFF Camera auto power off 3 minutes LCD screen standby 3 minutes Version Firmware update
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Settings	Programmable options (default settings in bold characters)
Language	English Français Deutsch Polski Dansk Magyar Slovenščina Nederlands Español Português Italiano Český Slovak
Default Settings	Cancel OK Select "OK" to reset the camera back to the factory default settings.
Format memory card	Cancel OK Select "OK" to format the memory card.
Date/Time	15 / 03 / 2023 02 : 25 : 31 DD/MM/YY

	<p>Manually set date and time. Adjustable time format: DD/MM/YY, YY/MM/DD or MM/DD/YY</p> <p>NOTE: it's important to set the date and time to ensure some functions work as expected (for example: time stamp on the photos, operation during a defined time period).</p>
AA batteries charge level	Allows you to check the charge level of the AA batteries (if you have any installed).
Time format	12 hours 24 hours
Time stamp	<p>OFF ON</p> <p>Select "ON" if you want the date and time of the image capture imprinted on every photo/video.</p> <p>The temperature, moon phase, energy level of the solar panel and camera name will also be imprinted on the photos/videos.</p>
Beep Sound	<p>OFF ON</p> <p>You can choose to hear a beep sound or not when you press a button on the device.</p>
Camera name	<p>Default name: PIE1069</p> <p>Press OK to modify the camera name for the camera (digits/letters). Such function can help you identify from where and from which camera the photos/videos are.</p>
Camera password	<p>OFF ON</p> <p>Select "ON" then press OK to enable password protection for your camera (4 characters).</p>
Camera auto power off	<p>OFF 3 minutes 5 minutes 10 minutes</p> <p>In SETUP mode, the camera will automatically power off after 3, 5 or 10 minutes without any press on the keypad. Slide the switch to the OFF position then back to the SETUP position if you want to continue the settings.</p> <p>If you select "OFF", there is no automatic shutdown of the camera in SETUP mode.</p>
LCD screen standby	<p>OFF 1 minute 3 minutes 5 minutes</p> <p>In SETUP mode, the LCD screen will automatically go to sleep after 1, 3 or 5 minutes of no activity. Press any key to wake up the screen.</p>








	If you select "OFF", the screen does not go to sleep in SETUP mode.
Version	This parameter shows the following information: MCU MCUVER DSPVER
Firmware update	Allows you to update the firmware loaded in the device.

5.5. REPLAY mode: view photos/videos on the camera LCD screen | Delete photos/videos on the camera | Protect files

To enter the REPLAY mode, slide the switch to the SETUP position (the LCD screen will light up), then press once

on the  button.

Buttons functions in REPLAY mode

	A long press allows you to enter the menu for deleting or protecting photo/video files.
	A short press allows you to enter or exit REPLAY mode.
	Allows you to view existing photos/videos and to advance from file to file
	Allows you to view existing photos/videos and to go back from file to file
	Allows you to start and pause replay of videos
	Allows you to fast forward a video (x2).
	Allows you to suppress fast forward.

5.6. Transfer photos/videos to a computer

System requirements

WINDOWS

- Pentium III or higher
- Windows XP/Vista/7/8
- 512 MB RAM
- 1 GB available hard disk space
- Screen resolution 1024 x 768 or higher
- Available USB connection

MAC

- PowerPC G3/G4/G5

- OS 10.3.9 or newer system
- 512 MB RAM
- 1 GB available hard disk space
- Screen resolution 1024 x 768 or higher
- Available USB connection

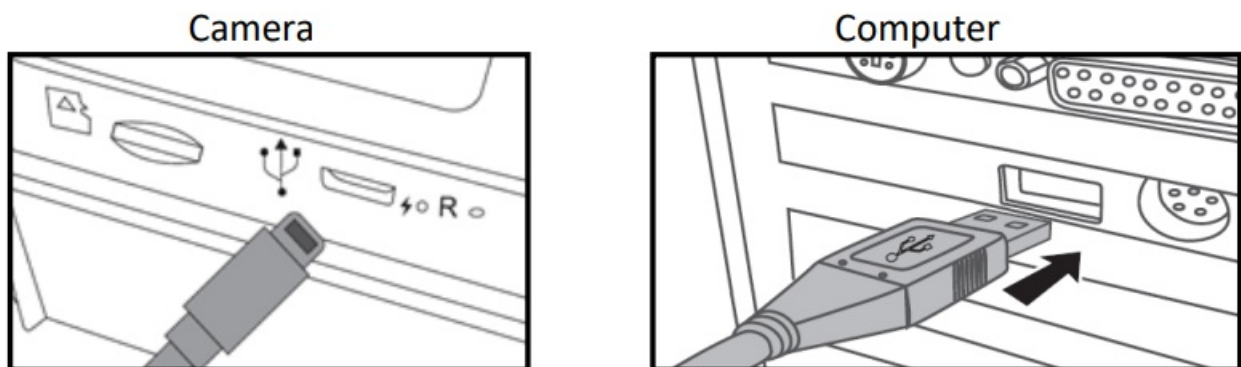
To upload photos/videos on a computer, slide the switch to the SETUP or ON position. Connect the supplied USB cable to the camera's mini USB 2.0 port and then directly to a main USB port on your computer.

The computer will recognize the device as "removable storage".

In the removable storage, you will find the photo files in "DCIM/PHOTO" and the video files in "DCIM/MOVIE" and you will be able to copy them to your computer.

MAC computers show an "Unknown" drive on the desktop. When clicking on this drive, the program iPhoto is automatically started.

WARNING: Do not disconnect the USB cable or remove the memory card while copying photos/videos. You could lose files.



Setting up the camera

- Mount the camera facing north or south, not east or west as the rising and setting of the sun could produce false triggers and overexposed images.
- If you're covering a trail, face the camera down or up the trail.
- Clear out any brush or weeds in front of the camera. These can cause false triggers due to temperature and motions disturbances in front of the camera (especially in windy days).
- Check the power level of the batteries (AA and solar panel) before setting up the device.
- Make sure the memory card is properly inserted and have sufficient available space.
- Verify time and date are correct.
- Make sure to turn the camera ON (switch in the ON position).

Technical specifications

Image sensor	2 Mega Pixels Colour CMOS
Infrared flash	26 invisible IR LED Wavelength: 940 nm Infrared flash range: approx. 20 m (65 ft.)
Memory	Micro SD card from 4GB up to 128GB maximum (class 10 minimum)
Lens	F = 4.0 F/NO = 2.0 FOV = 90°
LCD screen	Built-in 2.0" TFT colour screen
PIR sensor	Adjustable sensitivity: High Medium Low Detection distance: approx. 20 m (65 ft.) Detection angle: 60°
Capture modes	Photo Video Photo + Video
Photo resolution	20 MP (5888 x 3312) 16 MP (5376 x 3024) 12 MP (4608 x 2592) 8 MP (3840 x 2160) 5 MP (2960 x 1664) 2 MP (1920 x 1088)
Multi-shot	Programmable From 1 to 10 photos per trigger
Shutter speed	Programmable: 1/15 1/20 1/30
Picture files format	JPEG
Video resolution	FULL HD 1296p (2304 x 1296) FULL HD 1080p (1920 x 1080) HD 720p (1280 x 720) 480p (848 x 480) 368p (640 x 368) 30 FPS (Frames Per Second)
Video length	Programmable from 5 up to 180 seconds
Video files format	MPEG-4
Trigger time	Approx. 0.3 second
Camera name	Programmable

Time lapse	Programmable
Camera password	Programmable
Cycle recording on memory card	Programmable
Power supply	Solar panel with built-in rechargeable lithium battery (3.7V – 4400mAh) 4 x AA alkaline or rechargeable Ni-MH batteries (optional)
External power supply	5V/1A
Stand-by time	Outdoors: almost unlimited battery life thanks to the solar panel Indoors: approximately 12 months
Operating temperature	-20°C to +60°C
Storage temperature	-30°C to +70°C
Humidity	5% – 90%
Watertightness	IP66
Dimensions	143 x 107 x 95 mm
Weight	404 g (without batteries) 496 g (with batteries)

Troubleshooting

8.1. The photos do not capture subject of interest

- Check the PIR sensitivity parameter setting. In warm environmental conditions, set the sensor sensitivity to “High” and in cold weather use, set the sensor sensitivity to “Low”.
- Try to set your camera up in an area where no heat sources are in the camera’s field of view.
- In some cases, setting the camera near water will make it take images with no subject in them. Try aiming the camera over ground.
- Avoid setting the camera up on small trees that are prone to being moved by strong winds. Try to set the camera on stable and immovable objects, i.e., large trees.

- Remove any limbs which are right in front of the camera lens.
- At night, the PIR sensor may detect beyond the range of the infrared flash.
Reduce the detection distance by adjusting the PIR sensor sensitivity.
- Rising sun or sunset can trigger the PIR sensor. The camera must be reoriented.
- If a subject moves quickly, it may move out of the camera's field of view before the photo has been taken.
Move the camera further back or redirect it.

8.2. The camera stops taking images/videos or won't take images/videos

- Please make sure that the memory card is not full. If the memory card is full, the camera will stop taking photos/videos. To avoid such problem, check that the cycle recording function is activated (ON).
- Check the batteries (AA and solar panel) to make sure that there is enough power left for the camera to work.
- Make sure that the camera power switch is in the ON position and not in the OFF or SETUP position.
- Please format the memory card with the camera before using it or when the camera stops taking images/videos.

8.3. The night vision flash range doesn't meet expectations

- Please check to make sure the batteries and/or solar panel are fully charged or have enough power left.
- To ensure accuracy and quality of the night time images, please mount the camera in a dark environment without any obvious light sources.
- Certain surroundings (like trees, walls, ground, etc.) within flash range can get you better night time images.
Please do not aim the camera to total open field where there is nothing within the IR flash range to reflect the flash back.

After-sales service

Should your product stop working or develop a fault, first read this guide over, and then check the batteries and replace/recharge them if necessary. Also check that you are using the product correctly.

If the problem persists, contact your distributor or check out on www.numaxes.com.

You can also contact NUM'AXES at +33.2.38.69.96.27 or export@numaxes.com.

Depending on the extent of the malfunction, you may have to return the product for service and repair.

For all repairs, please supply the complete product and the proof of purchase (invoice or sales receipt).

If you omit one of these items, the after-sales service will have to invoice you for any repair costs incurred.

Guarantee

NUM'AXES guarantees the product against production defects for two years after purchase. All postage and packing charges will be the purchaser's sole responsibility.

Guarantee conditions

1. The guarantee will be valid only if the proof of purchase (invoice or sales receipt), without cancellation, is submitted to the distributor or to NUM'AXES. The guarantee is limited to the original purchaser.
2. This guarantee does not cover the following:
 - PIE1069 ref. NGPIEPHO075: changing the USB cable, mounting strap and wall mounting kit

- PIE1069 PACK ref. NGPIEPHO079: changing the batteries, memory card, USB cable, mounting strap and wall mounting kit
 - direct or indirect risks incurred when sending the article back to the distributor or to NUM'AXES
 - damage to the product caused by: negligence or incorrect use, use contrary to the instructions or not envisioned therein, repairs performed by unauthorized persons
 - loss or theft
3. If the product is found to be defective, NUM'AXES will either decide to repair or to replace it.
 4. No claim may be advanced against NUM'AXES, particularly in relation to incorrect use or breakdown.
 5. NUM'AXES reserves the right to modify the characteristics of its products with a view to making technical improvements or to comply with new regulations.
 6. The information contained in this guide may be subject to amendment without prior notice.
 7. Photos and drawings are not contractual.

Spare parts

You can purchase spare parts (alkaline batteries, rechargeable Ni-MH batteries, micro SD cards...) at any time on www.numaxes.com.

Collection and recycling of your device at the end of its life




This pictogram means that your product can not be thrown with household refuse. You have to bring the device to a collection location suitable for treatment, development, recycling of electronic wastes or bring it back to your distributor. Adopting this process, you do something for the environment; you contribute to the preservation of natural resources and to the protections of human health.

NUM'axes

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Documents / Resources

<div><div>NUM'AXES</div><div>Piège photographique Trail camera Câmera trampa Fotofalle Fotocamera da esplorazione Armadilha fotográfica</div><div># PIE1069</div><div></div><div><table><tr><td>FR - Guide d'utilisation</td><td>3</td></tr><tr><td>EN - User Manual</td><td>23</td></tr><tr><td>DE - Handbuch</td><td>49</td></tr><tr><td>IT - Manuale d'uso</td><td>56</td></tr><tr><td>PT - Manual de utilização</td><td>67</td></tr></table></div><div><small>NUM'AXES - 2020-2021 - 100% - 100% - 100%</small></div></div>	FR - Guide d'utilisation	3	EN - User Manual	23	DE - Handbuch	49	IT - Manuale d'uso	56	PT - Manual de utilização	67	<div><div>NUM axes PIE1069 Trail Camera [pdf] User Manual</div><div>PIE1069, PIE1069 Trail Camera, Trail Camera, Camera</div></div>
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