Num axes PIE1067 Trail Camera User Manual

Contents

Num axes PIE1067 Trail Camera

Product Information

Specifications

- Product Model: PIE1067
- Compliance: Directive 2014/53/EU (RED)
- Power Source: 12 AA alkaline, lithium, or Ni-MH batteries /12V/2A external power
- Memory Card: 32GB included
- Antenna: Included
- Features: Infrared LED, PIR sensor, microphone, control panel,SIM card slot, reset button, USB Type-C port, etc.

Product Usage Instructions

Contents of the Product
The product includes an antenna, LED infrared lights, lens,passive infrared sensor (PIR), microphone, control panel cover,lock slot, SIM card slot, reset button, USB Type-C port, battery compartment, external power port, SD card format button, and various status LEDs.

Power Source

1. **Batteries:** Insert 12 AA batteries into the battery compartment.
2. **Solar Panel:** There is an option for a solar panel for power.
3. **External Power:** Connect a 12V/2A external power source to the external power port.

SIM Card
The product comes with a SIM card pre-installed in the SIM card slot.

Operation
To turn on the device, switch to ON mode. Adjust settings for image capture resolution, flash power, time lapse,

PIR interval,date format, battery type, GPS settings, and more based on your preferences.

Installation on the Field
Mount the product securely in the desired location for image capture. Adjust settings for image resolution and other preferences.

Troubleshooting
If there are no subjects in the photos taken, check camera positioning and settings.

FAQ

Q: How do I know if the SD card is working properly?
A: The SD card status LED will indicate if the card is working well (ON), formatting (OFF), or abnormal/full (blinking).

Q: What should I do if there is no signal status LED?
A: If there is no signal status LED, it may indicate a strong or weak signal or a failure to connect to the server. Check connectivity and positioning.

Contents of the product

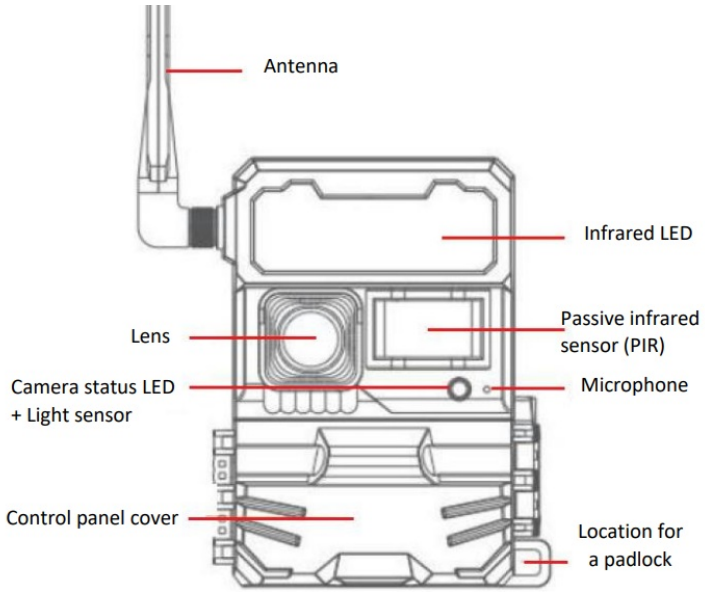
PIE1067 – Ref. NGPIEPHO073

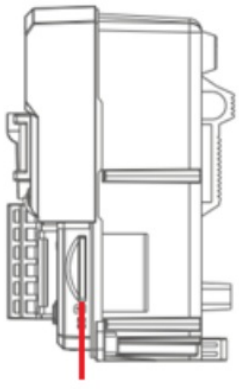
- 1 PIE1067 trail camera
- 1 multi-operator SIM card (already fitted in the product)
- 1 antenna
- 1 USB cable
- 1 mounting strap
- 1 quick start guide

PIE1067 PACK – Ref. NGPIEPHO085

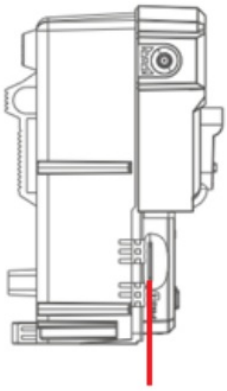
- 1 PIE1067 trail camera
- 1 multi-operator SIM card (already fitted in the product)
- 1 antenna
- 12 AA batteries
- 1 32GB memory card
- 1 USB cable
- 1 mounting strap
- 1 quick start guide

Presentation of the product

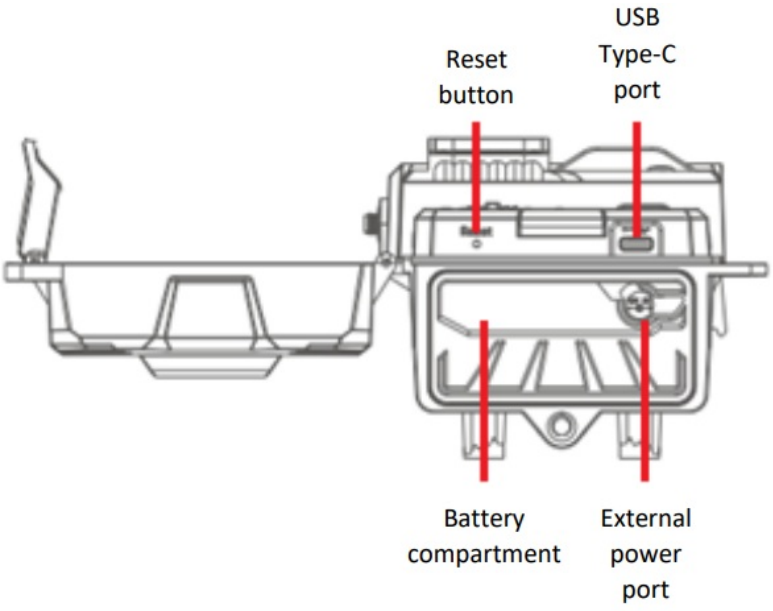


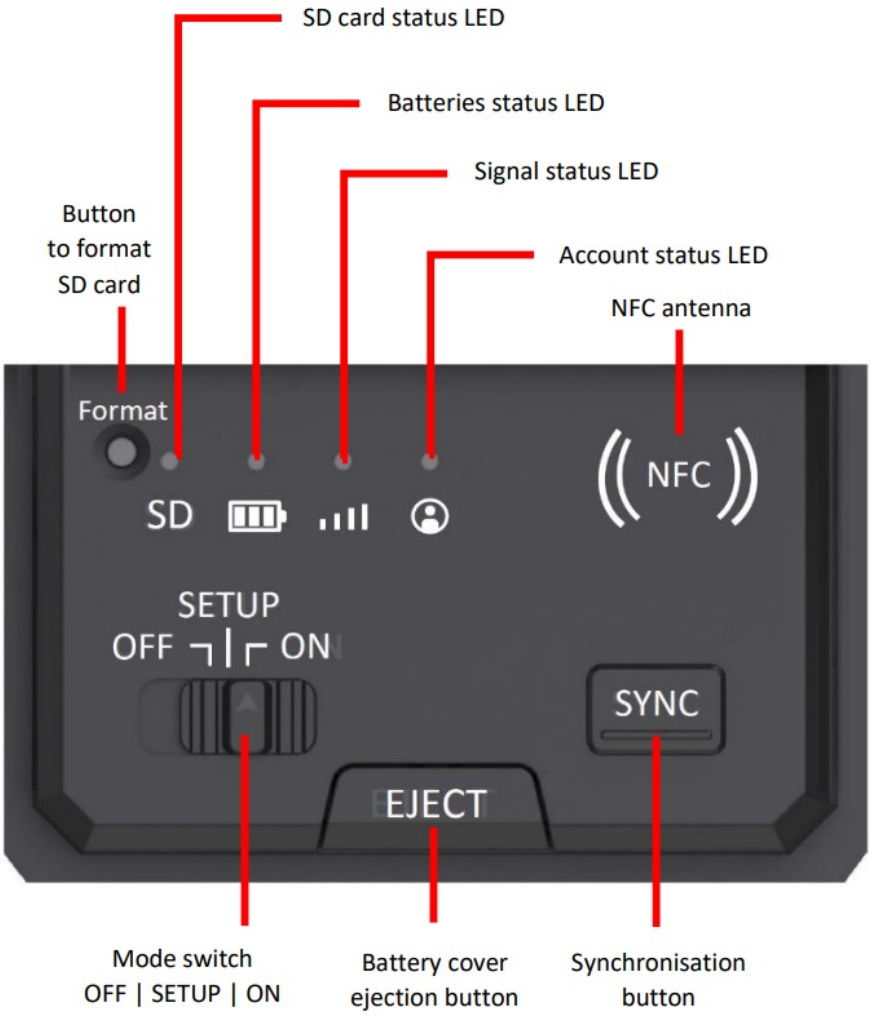


Memory card slot

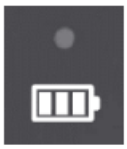


SIM card slot
(**the SIM card is already fitted in the product**)




SD card status LED
Batteries status LED
Signal status LED
Button
to format
SD card
Account status LED
NFC antenna
Format
SD
NFC
SETUP
OFF ON
SYNC
EJECT
Mode switch
OFF | SETUP | ON
Battery cover
ejection button
Synchronisation
button

		ON	OFF
SD card status light 	🟢	SD card working well	—
	🟡	SD card abnormal or full	—
	🔴	No SD card	Format in progress

		ON	Flashes every 0.5 second
Batteries status LED 	🟢	More than 80% power left / with DC power	—
	🟡	Between 20% and 80% power left	—
	🔴	Less than 20% power left	Low power alert

		Flashes every second	Flashes every 0.5 second	ON
Signal status LED 	🟢	Network search and settings synchronization in progress	—	Strong signal
	🟡	Medium signal	—	—
	🔴	No SIM card	Module error	Low signal / Network search failed

		Flashes every second	ON
Account status LED 	🟢	Camera communicating with server	Camera added and well connected to server
	🔴	Camera added while failed to connect to server	Camera not added

		Flashes every second	Flashes during 5 seconds then goes out	ON
Camera status LED	🟢	PIR triggers / Take photo under SETUP mode	Camera enters into auto working mode	Camera in SETUP mode

Power supply

Batteries

The camera runs on 12 AA size batteries. The product can work with alkaline, lithium 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.
Please select the battery type you're using in the menu option "Battery type" to reach longer operation time.

WARNING: 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.

Solar panel
This camera is able to work with a solar panel with build-in lithium battery (12V/2A).
You can purchase a 12V solar panel at any time on **www.numaxes.com**.

NOTE: the solar panel cannot charge Ni-MH batteries inserted in the battery compartment of the device as these batteries require a higher voltage to recharge.

External power supply
This camera can also be powered by an external DC adapter (12V/2A).
You can purchase a 12V external DC adapter at any time on **www.numaxes.com**.
We recommend removing the batteries when a power adapter is used.

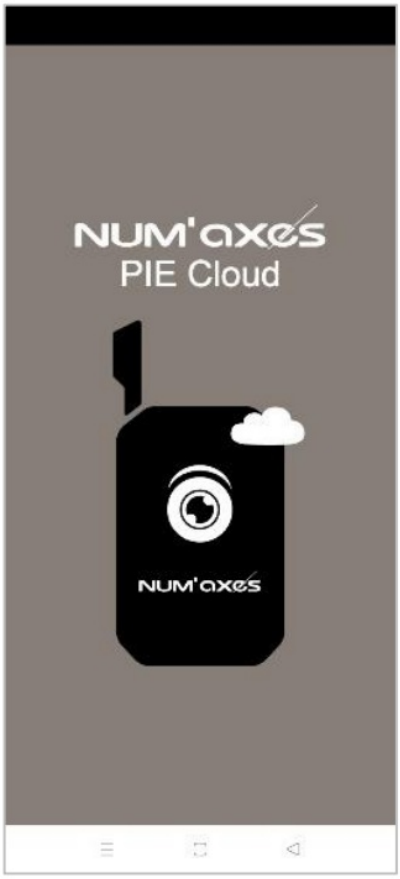
Installing the memory card
Using a memory card is required to operate the camera (SD card from 8GB up to 32GB maximum – class 10 minimum).
You can purchase micro-SD cards with adapter at any time at **www.numaxes.com**.

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.

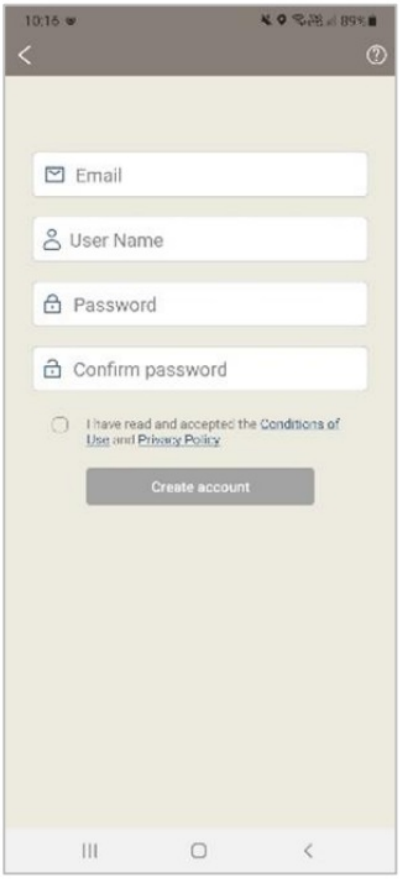
SIM card
The SIM card is already fitted in the product when you purchase it.
Before inserting or removing the SIM card, the camera must be turned off (switch in the OFF position).

Getting started

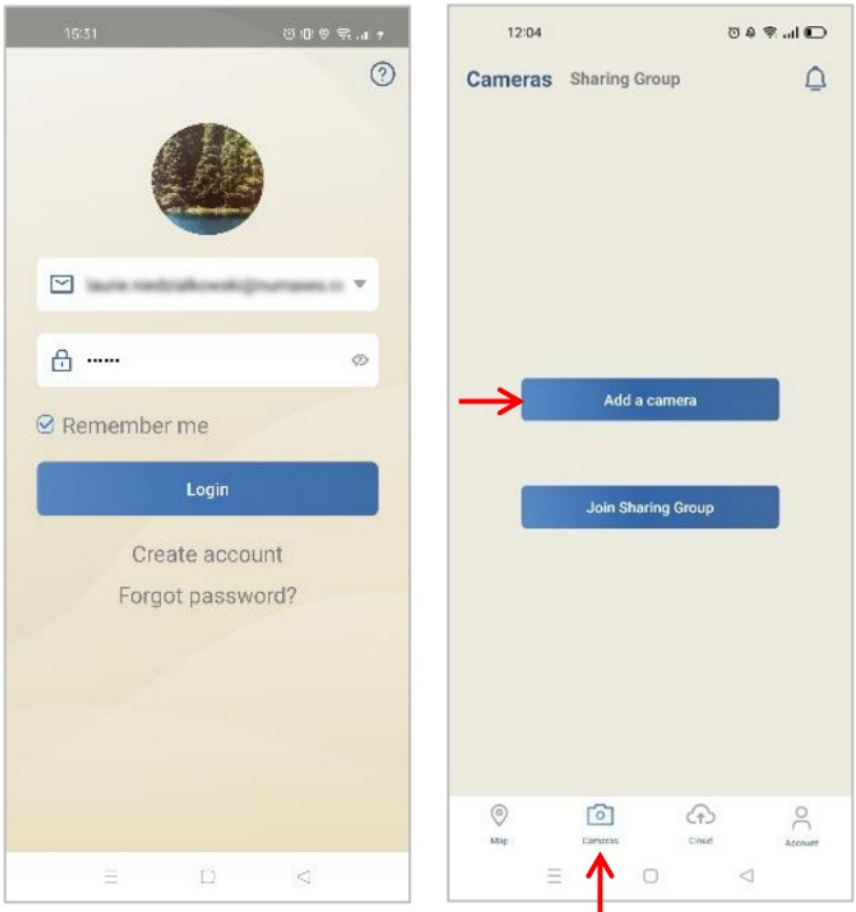
- Install the batteries.
- Install the memory card.
- Install the free App on your smartphone: On Google Play or the App Store, search for PIE Cloud App.
  Download and install the App on your smartphone.
- Add your camera in the PIE Cloud App :



Start the PIE Cloud App and create an account.



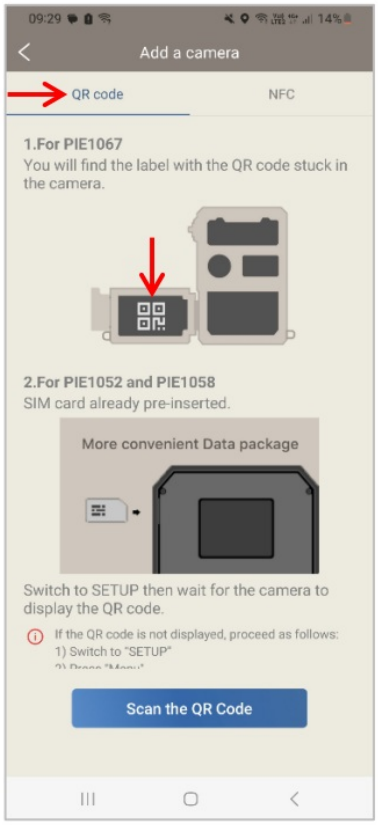
After clicking on the “Create account” button, you will receive an activation request email and then an activation confirmation email.



Log in to your PIE Cloud account using your email address and password.

Go to the Cameras tab then press the “Add a camera” button.

You can add a camera by scanning a QR code or with NFC technology.



Scan the QR code on the camera with the application then follow the instructions.

Bring your smartphone close to the camera's NFC antenna and follow the instructions.

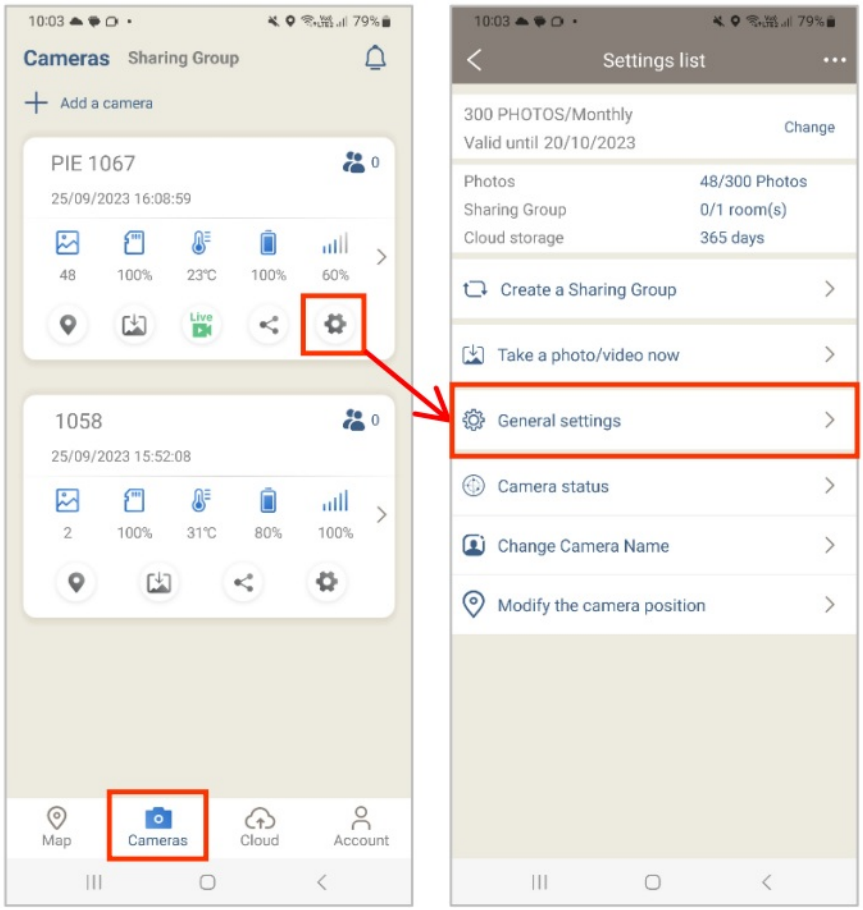
Operation

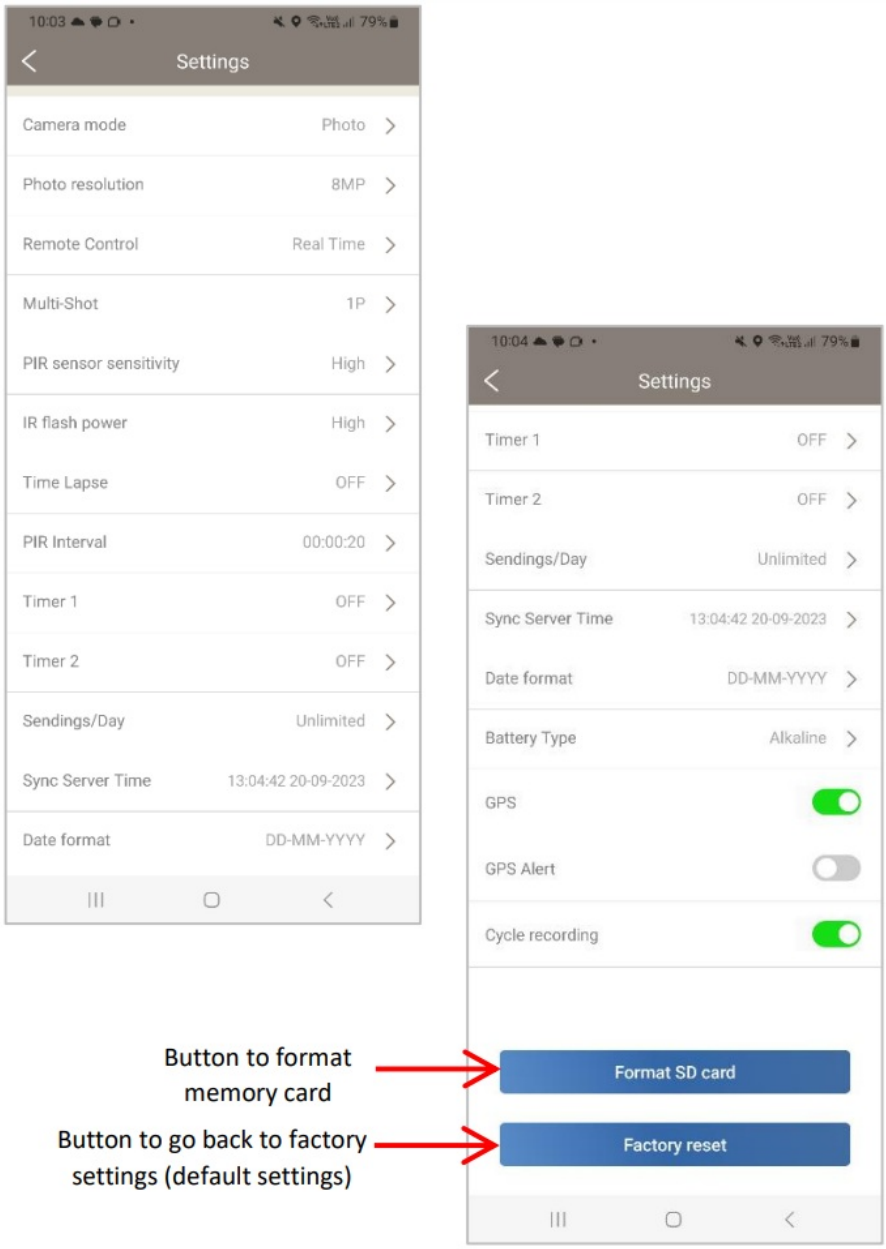
Turn ON the camera
Put the switch in the ON position; the camera is ready to work.
The camera status LED located on the front will blink and count down 5 seconds. This interval allows you time to close the camera front cover and leave the monitored area.
Once in the ON mode, the camera will take photos 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).

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.

How to customize the camera settings
Once your camera is added, you can customize the settings.


10:03
79%
Cameras
Sharing Group
Add a camera
PIE 1067
0
25/09/2023 16:08:59
48
100%
23℃
100%
60%
Live
1058
0
25/09/2023 15:52:08
2
100%
31℃
80%
100%
Map
Cameras
Cloud
Account
Settings list
300 PHOTOS/Monthly
Valid until 20/10/2023
Change
Photos
48/300 Photos
Sharing Group
0/1 room(s)
Cloud storage
365 days
Create a Sharing Group
Take a photo/video now
General settings
Camera status
Change Camera Name
Modify the camera position


10:03
79%
Settings
Camera mode
Photo
Photo resolution
8MP
Remote Control
Real Time
Multi-Shot
1P
PIR sensor sensitivity
High
IR flash power
High
Time Lapse
OFF
PIR Interval
00:00:20
Timer 1
OFF
Timer 2
OFF
Sendings/Day
Unlimited
Sync Server Time
13:04:42 20-09-2023
Date format
DD-MM-YYYY
10:04
79%
Settings
Timer 1
OFF
Timer 2
OFF
Sendings/Day
Unlimited
Sync Server Time
13:04:42 20-09-2023
Date format
DD-MM-YYYY
Battery Type
Alkaline
GPS
GPS Alert
Cycle recording
Format SD card
Factory reset
Button to format memory card
Button to go back to factory settings (default settings)

Parameters	**Available settings (default setting in bold characters)**
Camera mode	**Photo** | Video | Photo + Video – Photo: the camera will only shoot photos. – Video: the camera will only shoot videos. – Photo + Video: upon the same trigger event, the camera will shoot photo(s) first then a video.
Photo resolution	12 MP | **8 MP** | 5 MP Higher resolution produces better quality photos but creates larger files that take up more of the memory card capacity (fills up faster).
Remote control	Real time | Delay 0.5H | **Delay 1H** | Delay 2H | Delay 3H | Delay 4H | D elay 6H | Delay 12H | Delay 24H – Real time (**this option will consume huge battery power**): the cam era 4G module is in stand-by all the time; so, the camera setups can be changed and saved whenever you send the remote setup commands. – Delay (**option suggested for AA battery power**): the camera will o nly be able to change and save the setups remotely every day with a d elay of ½ hour, 1 jour, 2 hours, 3 hours, 4 hours, 6 hours, 12 hours or 2 4 hours depending on the selected setting. **The longer the delay, the l ower the energy consumption.**
Multi-shot	**1P** | 2P | 3P Programmable from 1 up to 3 photos per trigger
PIR sensor detection 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 t emperature; – 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 hig h. However, it is recommended to use low PIR sensitivity in environments with lots of interference like hot wind, smoke, near window, etc. This wil l prevent untimely triggering.
IR flash power	**High** | Low This parameter allows you to adjust the brightness of the infrared flash.
Time Lapse	ON | **OFF** With Time Lapse set to ON, the camera will capture photos or videos a utomatically at a pre-set time interval regardless of whether motions ar e detected or not. **WARNING: when the Time Lapse parameter is set to ON, the PIR s ensor is deactivated (there is no motion detection).** Select ON to set the Time Lapse; the camera will shoot photos or video clips automatically upon the set interval. Configurable Time Lapse: from 00:00:05 to 23:59:59 Example: if Time Lapse is set to 00:30:00, the camera will automaticall y capture photos/videos every 30 minutes.
PIR interval	**ON – default: 20 seconds** | OFF Select ON to set the time interval that you desire between photos/videos upon motion. This option avoids camera taking to many photos or videos. Configurable PIR Interval: from 00:00:05 to 23:59:59 Example: if the PIR interval is 00:01:00, the camera will wait 1 minute b etween photo/video recordings with motion.

Timer 1 Timer 2	ON | **OFF** ON | **OFF** Each day, the device can operate 24 hours a day (parameters set to OFF) or only during the time slot(s) defined by the user. Select ON to set the start time and end time of the desired working period. Example: If Timer 1 is set to 15:00-18:00 and Timer 2 is et to 20:00-22:00; each day, the camera will work only between 15h00 (03:00 PM) and 18h00 (06:00 PM) then between 20h00 (08:00 PM) and 22h00 (10:00 PM).
Sendings/day	**Unlimited** | 1 – 99 Example: if you select 50, every day, the camera will only send the 50 first photos taken to the cloud storage. The rest of the photos taken that day will not be sent but will be stored in the memory card.
Date format	MM/DD/YYYY | **DD/MM/YYYY**
Battery type	**Alkaline** | Ni-MH | Lithium The device will perform better and have better battery life if you select the type of the batteries used in the camera.
GPS	**ON** | OFF With GPS ON, the GPS information will be shown on photo stamp. NOTE: if the GPS signal is weak around the product, the GPS information will not be shown on the photo stamp until the signal gets stronger.
GPS alert	ON | **OFF** With the GPS Alert setting set to ON, if the camera leaves a circle with a diameter of 1 km around the GPS position recorded at startup, you are alerted by a notification.

Cycle recording on memory card	**ON** | OFF When the memory card will be full, the camera will continue to record photos/videos by deleting the oldest photos/video. Select OFF to deactivate the cycle recording function.

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	3 Mega Pixels Colour CMOS
Infrared flash	54 invisible IR LED | Wavelength: 940 nm Infrared flash range: approx. 20 m (65 ft.)
Memory	SD card from 8GB up to 32GB maximum (class 10 minimum)
Lens	F/NO = 2.0 | FOV = 60°
PIR sensor	Adjustable sensitivity: High | Medium | Low Detection distance: approx. 20 m (65 ft.) Detection angle: 60°
Capture modes	Photo | Video | Photo + Video
Resolution of photos saved on the SD card	12 MP (4800 x 2560) | 8 MP (3840 x 2112) | 5 MP (3072 x 1728)

Resolution of photos sent to the Cloud	640 x 360
Resolution of HD photos sent to the Cloud on dem and	3 MP (2304 x 1296)
Multi-shot	Programmable | From 1 to 3 photos per trigger
Picture files format	JPG
Videos saved on the SD card	Resolution: FULL HD 1080P (1920 x 1080) Video length: 10 seconds
Video previews sent to the Cloud	Resolution: 512 x 288 Video length: 3 seconds

Videos sent to the Cloud on demand	Resolution: FULL HD 1080P (1920 x 1080) Video length: 10 seconds
Live Streaming videos	Resolution: HD 720P (1280 x 720)
Video files format	MP4
Trigger time	Approx. 0.5 second
Camera name	Programmable
Time lapse	Programmable
Camera password	Programmable
Cycle recording on memory card	Programmable
Power supply	12 x AA alkaline, lithium or rechargeable Ni-MH batteries
External power supply	12V/2A
Stand-by time	Approximately 12 months
Operating temperature	-20°C to +55°C
Storage temperature	-25°C to +60°C
Watertightness	IP66
Dimensions	110 x 140 x 90 mm
Weight	475 g (without batteries) | 751 g (with batteries)

Troubleshooting

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.

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 in activated.
- Check the batteries 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.

The night vision flash range doesn't meet expectations

- Please check to make sure the batteries are fully charged or have enough power left.
- Ni-MH rechargeable batteries can offer a much better IR flash range; alkaline batteries cannot deliver enough amperage to power the illuminator consistently at night.
- 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:
    - PIE1067 ref. NGPIEPHO073: changing the USB cable and mounting strap
    - PIE1067 PACK ref. NGPIEPHO085: changing the batteries, memory card, USB cable and mounting strap
    - 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.

Z.A.C. DES AULNAIES – 745 RUE DE LA BERGERESSE – C.S. 30157
45161 OLIVET CEDEX – FRANCE
Tel. +33 (0)2 38 69 96 27
export@numaxes.com
www.numaxes.com

EXPORT
Tel. +33 (0)2 38 69 96 27
export@numaxes.com
www.numaxes.com

Documents / Resources

	**Num axes PIE1067 Trail Camera** [pdf] User Manual PIE1067 Trail Camera, PIE1067, Trail Camera, Camera

References

- **NUM'AXES | NUM'AXES**
- **NUM'AXES | NUM'AXES**

- NUM'AXES | NUM'AXES
- NUM'AXES | NUM'AXES
- User Manual