Trail Camera

MODEL：MiNi600

User Manual

1. Introduction

1.1 Application

This digital camera can be applied to **Hunting, Farm burglar**, **Wildlife Monitoring and Home Security** with stealth appearance and mini shape. It is easy to deploy and hard to discover.

4AA Batterires Depot

OFF/ON

USB Port

Micro SD Card Slot

External Power Port

Stand Knob Port

1.2 Main Features

►20MP images, 1080P FHD videos.

►60-degree FOV lens, 90-degree detection angle.

►The fast trigger time of 0.8 seconds makes it easier to capture every wonderful moment.

►4 working modes: Camera, Video, Camera&Video,Timelapse

►26 infrared LEDs, can provide 20 meters/65 feet night vision range.

►Low power consumption, extremely long-time standby life (up to 3-4 months by 4X AA batteries.)

►Support cycle recording.

►Date, Time, Temperature and Moon phase stamped on the bottom of pictures and Videos.

LED

Photo sensitive

Latch

LED Indicator

LED

PIR

1.3 Power Supply

4 X AA Batteries

MiNi600 Trail Camera need 4X AA alkaline batteries, or Lithium rechargeable batteries.

►Batteries should be inserted as indicated into battery case, upside-down of the battery electrode may cause the device to malfunction.

►Don't mix different types of batteries. Using different batteries in the camera may cause permanent damage, which also violates the warranty policy.

►If you do not use the camera for a long time, it is strongly recommended to remove the battery from the camera to avoid acid leakage and damage the camera and invalidate the warranty.

►Due to different settings, objects activities within camera detection zone, different brands and quality of batteries, and working environment, we are not able to list out exact number of photos or videos that camera can take with 4X AA alkaline batteries. Better performance can be given by 4 AA rechargeable Lithium batteries.

Note:Please insert the battery in OFF mode

To bring you better experience, this camera is able to work with most standard Lithium battery built-in solar panel (solar panel can't charge the rechargeable batteries of camera)

1.4 Memory Card

The memory card slot of this camera supports Max 32GB storage capacity.

Before you insert or remove the memory card, the camera power switch must be turned to " OFF " . Failing to do so may causes loss of files or damage the pictures that already recorded in the memory card.

► The camera has no built-in memory and it only works after inserting a memory card. Before inserting the memory card, please format the memory card to extend battery life and shutter speed.

► The max memory cards capacity is 32 GB, 64GB or higher memory card can't be recognized.

► To avoid malfunctions, please keep the memory card away from moisture and avoid strong vibration, dust, heat sources and direct sunlight.

► After transferring photos or videos, wait until the memory card has reached ambient temperature before you use it for the first time.

► Major fluctuations in temperature or humidity can lead to condensation, which could cause an electrical short-circuit.

► This camera supports cycle recording. When the memory card is full, it will automatically keep capturing pictures or videos and overlay the first file.

► To remove the memory card from the memory card slot of the camera, press the protruding edge of the memory card in a little way until it pops out, then remove the card.

2. Operation

2.1 Load Batteries

2.2 How to Set Camera

1. First connect the camera and computer with USB cable.

2.Turn the switch on.

When the camera switch slide to "ON", there will be a system config file 《SYSCFG》 file created automatically（The camera light will flash twice）.

Then you can open it by TXT and set camera by changing last number to 1,2 or 3 as below:

[CFG]	Number	Command Descriptions:
UPDATA =	**0**	System update enable or disable; value could be 0 or 1, 1 for enable, 0 for disable, must change the value to 1 before update parameters, when system update finished this value will automatic change to 0.
MODE=	**3**	Setting Camera mode, value could be 1 or 2 or 3 or 4; 1 for take pictures only, 2for recording videos, 3 for capture pictures and recording videos together, 4 Timelapse: Time-lapse shooting, the default value is 3
TIMELAP SE_INTE RVAL=	**1**	1: 5 mins, 2: 30mins, 3: 60mins the default value is1
PICTURE _RESOL UTION=	**1**	Setting picture resolution: value could be 1 or 2 or 3, 1: 20MP, 2:16MP, 3: 12MP, the default value is 1
STILL_S HOT_NU M=	**1**	Setting capture picture numeric, value could be 1 or 2 or 3 or 4, 1:1, 2:3, 3:6, 4:9 - the default value is 1
VIDEO_R ESOLUTI ON=	**1**	Setting record video resolution: value could be 1 or 2 or 3, 1: 1080P, 2:720P, 3:VGA - the default value is 1
RECORDI NG_TIME =	**1**	Setting video recording time, value could be 1 or 2 or 3 or 4, 1: 10s, 2: 30s, 3:60s, 4: 90s, the default value is 1

PIR_DIST ANCE=	**2**	Setting motion sensor detect range, value could be 1, 2 or 3, 1 for 13-15meters, 2 for 8-10 meters, 3 for 6-7 meters, the default value is 2
RESPON D_INTER VAL=	**1**	Setting motion sensor response time, interval seconds, 1:1s, 2:5s, 3:10s, 4:30s, 5:60s, 6:300s, 7:600s, 8:1800s the default value is 1.
CYCLE_ WRITE=	**1**	over write old files: 1:yes, 0: no, the default value is 0
AUDIO=	**0**	record audio, 1: on, 0: off, the default value is 0
DATETIM E_FORM AT=	**1**	Setting data 3nd time format; value could be 1, 2 or 3, 1: Year/Month/Date, 2:Date/Month/Year, 3:Month/Date/Year, the default value is 1
DATETIM E=	**2021/ 01/01 00:01: 53**	Setting the data and time, format: "Year. Month. Day. Hours: minutes: seconds, manually edit the time/date to be correct
CAM_NA ME=	**CAM0 01**	Setting camera name, could be any numerical or words less than 6 characters. example: CAM_NAME=Cam001

When all the setting completed, save syscfg.dat file, and move the camera power switch to OFF. Next time when slide to ON, the new configuration will be automatically read.

Updating the Parameters:
1. Connect the camera to power source or connect with external power.
2. Move the mode switch to "OFF" side, move the power switch to "ON" side. Then the system will turn on the power and turn on the red LED light, wait for 3~5 seconds. The blue light will flash for a few seconds, then all the LED lights turn off, update finished.
3. Remember to format memory card or delete the update file.

2.3 Power on

When all the setting completed, slide power switch from OFF to ON,（The camera light flashes only once）. The camera powers on and captures images or videos when animals or people are detected by its PIR .

The camera will stay asleep to save power, if no animals are detected.

3.Trouble Shooting
3.1 Camera doesn't Capture Subject of Interest

1. Check the PIR, if it damaged or covered by leaf, camera will not be triggered.

2. Try to set your camera up in an area where no heat resources are in the camera's field of view.

3. In some cases, set the camera near to water will make the camera take images with no subject in them.

4. Try to aim the camera over ground.

5. Try to set camera on stable and immovable objects, such as large trees.

6. At night, motion detector may detect beyond range of the IR illumination.

7. Rising sun or sunset can trigger sensor, Camera should be reoriented.

8. If person/animal moves quickly, it may move out of the camera's field of view before photo is taken. Move camera further back or redirect camera.

3.2 Camera Stops Taking Images

1. Please make sure that the memory card has enough memory storage. If the cycle recording is off and memory card is full, camera will stop taking images.

2. Check batteries to make sure that alkaline, lithium AA batteries left power is enough for camera to work.

3. Make sure that the camera power switch is at the "On" position and not at the "Off" modes.

4. Please format the memory card when you first time to use it or change to use another memory card.

3.3 Night Vision Flash Range Doesn't Meet Expectation

1. Install 4 pcs high quality AA batteries for better battery life.

2. To ensure accuracy and quality of night time image, please mount camera to dark environment without any obvious light sources;

3. A certain surroundings (like trees, walls, ground, etc.) within flash range can get you better night time images; please do not aim camera to total open field where there is nothing within IR flash range to reflect flash back, it's like shinning a flashlight into sky in night, you just can't see anything, same does camera.

4. Specification

Image Sensor	3 Mega Pixels Color CMOS
Memory	Micro SD Card Max 32GB
Lens	F=3.1; FOV=60 °
Size	105mmx85mmx40mm
LED	850nm IR
Cycle record	On/Off
PIR Sensor Sight Angle	90 Degrees
Number of IR LED	26 LEDs
Max Night Vision Lighting Distance	65ft/20 meters
Trigger Speed	0.8 second
Delay	1/5/10/30sec/min (default 1 sec)
Selectable Image Resolution	20MP/16MP/12MP
Multiple Photo on One Detection	1/3/6/9

Video Resolution	1080P720P/VGA
File Format	JPEG/AVI
Date Time Imprint	Yes
Stand-by Current	0.2mA
Stand-by time	6 Months
Power Supply	4×AA batteries, External 6V DC
Waterproof	IP65
Security authentication	FCC, CE, RoHS