



# **Radar Camera Instruction Manual**



(Model: UVC2)

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UOVision radar camera is a cold-blooded reptiles monitoring equipment, specially designs to deliver quality images and videos of snakes, frogs and toads, turtles and tortoises, crocodiles, alligators, salamanders and other cold-blooded reptiles in the wild. It also can be used for study of living habits of cold-blooded animals.

**What you will need to set this camera up:**

**-SD Card**

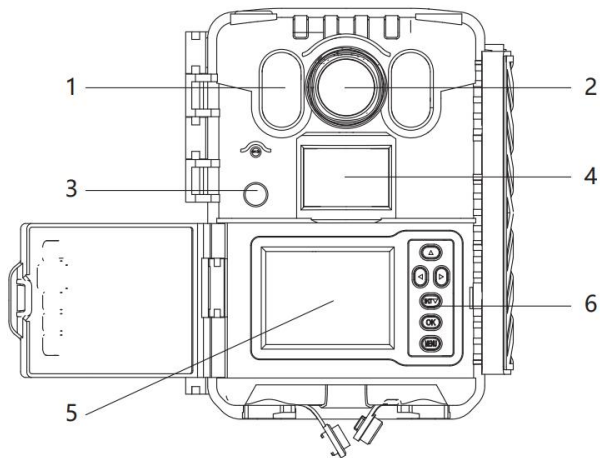
**-Batteries**

**This Camera is characterized by:**

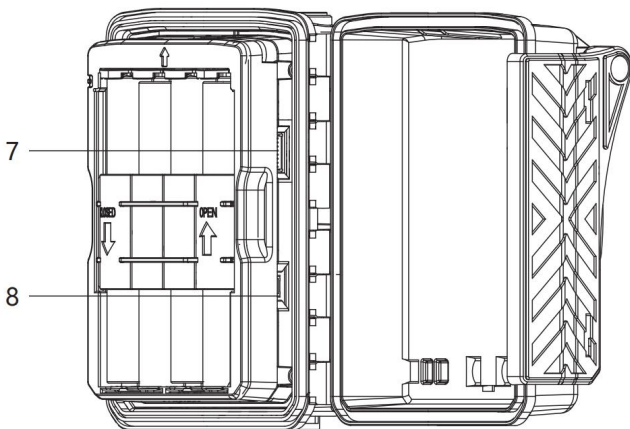
- \* 720P/1080P/3K H.264 Video, 0.6s video trigger speed
- \* 5MP/8MP/16MP/24MP/32MP Image Resolution
- \* Radar detection: 0.3m to 1.5m adjustable
- \* Easy Installation
- \* Adjustable Hi-Power IR Flash
- \* 5 meter flash range
- \* 5 levels of Sensitivity Adjustable
- \* Maximum Silent Capture
- \* Location Support
- \* Video length: 5s-60s
- \* Photo Burst 1-10
- \* Diagonal Field of View(FOV)100°
- \* 1s Recovery Time
- \* Multi Zone PIR Sensor
- \* Trugger interval 0sec-60min
- \* Time Lapse(5sec-24hour)

- \* Up to 4 Work Time Settings*
- \* 2.0" Color LCD*
- \* SD Card Max to 512GB SD card (not incl)*
- \* SD Overwrite*
- \* Camo Color*
- \* Wall Mount Fixation Threads*
- \* Operation Temperatures -20°C ... +65°C*
- \* IP68*
- \* 8\*AA batteries or Rechargeable 12V Li-battery pack selectable / 12V solar panel*

## 1 Camera Overview

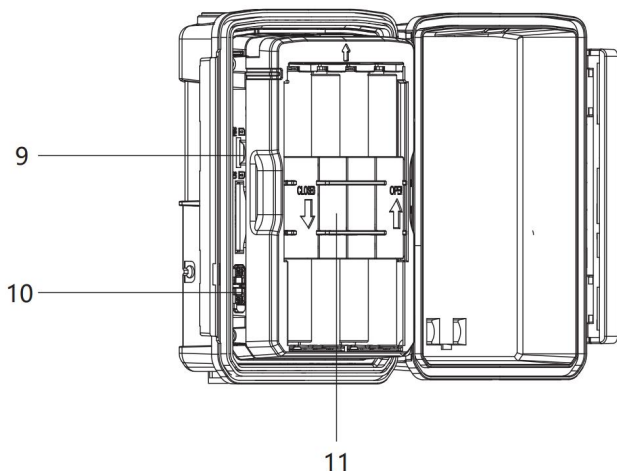


- 1:** IR Led    **2:** Camera lens    **3:** PIR  
**4:** Light sensor    **5:** Display screen  
**6:** Keyboard



7: Module data interface

8: Main board power supply port



9: SD slot    10: Power Switch    11: Battery pack cover

## **2 Quick start guides**

### **2.1 Installing the batteries**

This camera can function on 8AA batteries.

Pay attention to the (+) or (-) molded into each sleeve to determine if you insert the positive or negative end into the sleeve first. Negative battery terminal always



contacts the spring.

Note:


- **Do not mix different types of batteries**
- **Do not mix the old and new batteries**
- **Recommend high-density and high-performance batteries, such as Alkaline or Lithium batteries.**
- **Remove batteries when not in use to prevent leakage!**

## 2.2 Installing the SD card

Insert the SD card as below direction.



Support max to 512GB SD card.

 **Note:** If the SD card is more than 32GB, please enter MENU->SYS->Format SD to format the SD card before use.

Otherwise, the data stored in SD card will not be correct.

## 2.3 Power switch and buttons

Slide the power switch to ON position, then you can start setting the CAM.

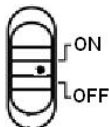


Fig2 Power switch

### Power Switch:

OFF: Power off (Please remove batteries when not in use);

ON: Setting the camera;

Entering Working mode: Press **LEFT** button, then press **OK**.  
(the screen will power off).

### Buttons:

MENU: Enter menu

▲ ▼ ◀ ▶ : Navigation button.

OK: Confirm operation

## ATTENTION:

Video Playback is not available for this device; you could play videos from SD card.

## 2.4 Setting map



Fig3 Main Screen

<b>CAM</b>	
Camera Mode	Photo/Video/ <b>Photo+Video</b>
<b>Photo</b>	
Photo Size	<b>5MP</b> /8MP/16MP/24MP/32MP
Photo Burst	1-10 (Default: <b>3</b> )
Flash Power	Low/Normal/ <b>High</b>
<b>Video</b>	
Video Size	720P,1080P, <b>3K</b>
Video length	5s-10min, (Default: <b>10s</b> )
Flash Power	Low/Normal/ <b>High</b>
<b>Photo+Video</b>	
Photo Size	<b>5MP</b> /8MP/16MP/24MP/32MP
Photo Burst	<b>1-3</b>
Video size	720P,1080P, <b>3K</b>
Video length	5s-10min, (Default: <b>10s</b> )
Flash Power	Low/Normal/ <b>High</b>

**Photo Burst:** It's the number of pictures that to be taken of each triggering. If photo burst is 3, it means the camera will take 3 pictures after one triggering.

PIR	
Trigger Mode	<b>Moving Trigger/Time Lapse/Both</b>
Interval	0s-60min (Default: <b>0s</b> )
Sensitivity	Low/medium-low/medium/ <b>medium-high/High</b>
Rada Gap	<b>0.3m-1.5m</b>
Time lapse	5sec~24 hours (Default: <b>1 hour</b> )
Work Time 1~4	<b>Off/On</b>

**Interval:** It means the time interval that the PIR sensor allowed to work. This prevents the card from filling up with too many redundant images.

**Time Lapse:** When choosing time lapse, camera takes

photos or videos even when it is not triggered by a nearby live animal. It's useful for constant monitoring of an area.

**Work Time :** The camera can work at a preset time and preset days. In the rest of the time the camera is not work. Work hour: 00:00-00:00 means 24 hours. If the settings is cross the day, for example: Start: 20:00 Stop: 10:00 means 00:00-10:00 AM and 20:00-24:00 of the chosen day.

<b>SYS</b>	
Set Clock	Enter
Rename	<b>Off/On</b>
Password	<b>Off/On</b>
Over Write	<b>Off/On</b>
Format Card	Enter
Diagnose	Enter
FW Version	Enter
WiFi Info	Enter

Settings Copy	Enter
Default	Enter

**Password:** Make sure you write down your password or save it to your mobile phone so you can access your camera if you ever forget your password.

**Diagnose:** If the camera can't work properly, please choose **Diagnose**. The camera will generate a log file folder in your SD card. Please send all the files in log folder to FAQ for help.

**Setting Sync:** **Upload** means to sync the settings from your camera to cloud. **Download** means to sync the camera settings from cloud to your camera.

### 3 Auxiliary power

Your camera comes with an Auxiliary power jack. If you

want to hook up an external 6V-14V battery to power the camera, you can. The jack necessary to make the connection is a standard 4mm jack.

#### 4 Mount tips

For best results, mount the camera approximately 1-1.5 meter off the ground and 3-15 meters. To enhance the flash, we recommend positioning the camera in an area with a backdrop to reflect the maximum amount of light.

**Note:**

- a. **The sun should not be shining directly on the face of the camera.**

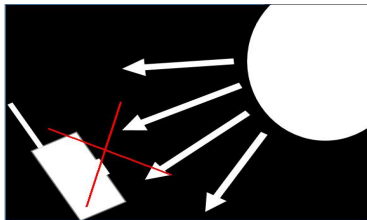


Fig 12

- b. **Reflect with trees or other things to add more light to your target.**



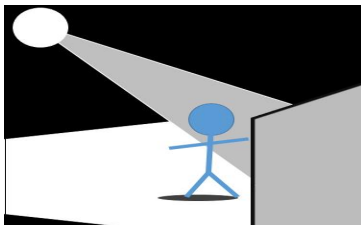


Fig 13

- c. **Avoid placing the camera where the air flow is surging or too much vegetation. False triggers most occur on sunny, breezy days. When the wind moves the vegetation, the camera detects this and cannot distinguish it from a warm-blooded animal moving through the scene.**

## **Appendix I : Technical Specifications**

**Picture Resolution** 5MP(Real

Sensor)/8MP/16MP/24MP/32MP

**Lens** F/NO=1.85 (Field of View)=100°

**Flash Power** High, Normal, Low

**Display Screen** 2.0" LCD

**Memory Card** Max to 512GB(Class 10)

**Flash Range** 5meter

**Recovery Time** 1s

**Detection Range (meter)** Radar detection:

0.3m to 1.5m adjustable

**Video Resolution** 3K, 1080P, 720P

**Trigger Sensitivity** Adjustable(Low/medium-low/medium/medium-high/High)

**Video Trigger Time** 0.6S

**Operation/Storage Tem.** -20 - +65°C / -30 - +70°C

**Trigger Interval** 0s – 60 min.

**Time lapse:** 5sec-24hours

**Photo Burst** 1–10

**Video Length** 5s–10min

**Power Supply** 8\*AA batteries or  
Rechargeable 12V Li-battery pack selectable  
/ 12V external power/Support 12V solar  
panel

**Stand-by Current** <200uA (<6mAh/Day)

**Low Battery Alert** LED Indicator

**Mounting** Rope/Belt/Python lock

**Dimensions** 130mmX104mmX69mm

**Operation Humidity** 5% - 90%

**Security authentication** FCC,CE, RoHS

## Appendix II : Parts List

Part Name	Quantity
Radar Camera	One
Belt	One
Battery Tray	Optional
DC adapter(EU/NA version)	Optional
Lithium Battery Pack	Optional

## **Declaration of Conformity to Directive 2014/53/EU**

CE Caution:

Hereby, the manufacturer declares that this camera is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Please ask for your distributor for a copy of the Declaration of Conformity to Directive 2014/53/EU.



## WARRANTY

The camera manufacturer provides 12 months of warranty service for this product against manufacturing defects or malfunctions. If your camera fails to function under normal use within 1 year, the camera manufacturer will repair or replace the camera at no charge. The purchase receipt must be included from an authorized retailer to validate the warranty. Improper use of the camera resulting in damage is not covered by this warranty.

The camera manufacturer can provide repair service, after the warranty expiration. The customer will be responsible for any charges on parts, labor and shipping costs. Please contact the manufacturer for more details.

Please contact the area dealer for more details.