



Acoustic Wildlife Recorder Manual



Model: UVSW3 with Lithium Battery Pack

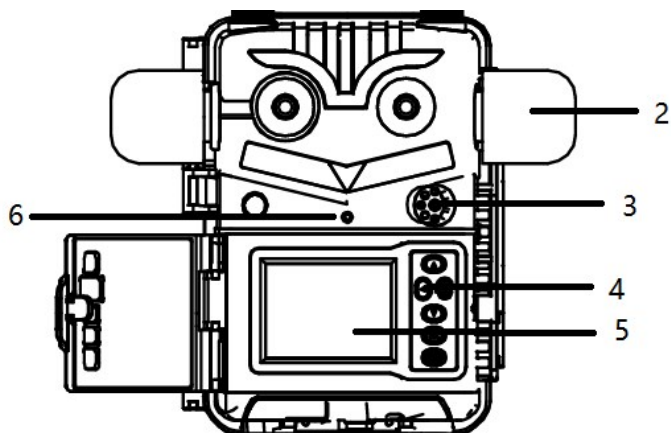
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UOVision voice recorder is a wildlife audio recording equipment, especially designs to deliver quality sound recordings of birds, frogs, and other vocal animals in the wild. It also can be used for species recognition projects.

Features:

- 1) 16bit PCM (pulse code modulation), WAV file saved in SD card.
- 2) Frequency Response Range: 20HZ-24KHZ, (+/-)1-3dB
- 3) Max sampling rate: 96KHz
- 4) MIC: 2pcs Omni-directional MIC
- 5) Sensitivity of MIC: -26dB or -32dB (0dB=1V/pa@1kHz)
- 6) SNR(Signal to noise ratio): -78 dB 1V/pa@1kHz
- 7) Dynamic sound pressure range: 30-126 dB(SPL)
- 8) Support dual channel stereo, left channel, right channel
- 9) Adjustable Gain $\geq$ 50db
- 10) Sound Pick up distance: Up to 50m
- 11) Automatically update Sunrise and Sunset time
- 12) Built-in temperature and humidity sensor
- 13) Standby current: 100uA (Working current:10-30mA)
- 14) Water Proof: IP68
- 15) Power: Lithium-battery pack.
- 16) Display: 2.0" display screen
- 17) Storage: Max to 512GB SD card
- 18) Video length adjustable
- 19) Flexible work time
- 20) Temperature: 0°C~80°C

1 Product Structure



1: Light Sensor

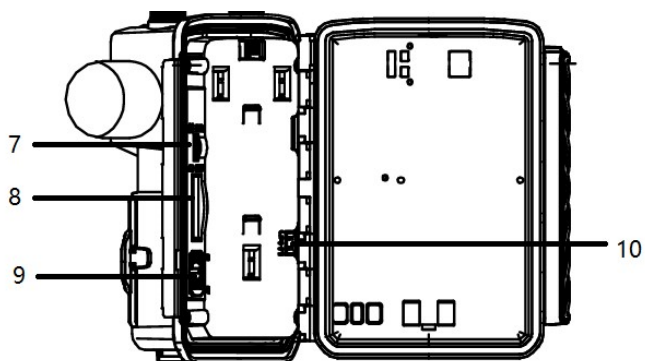
3: Speaker

5: Display Screen

2: MIC with waterproof sound
passing membrane

4: Key board

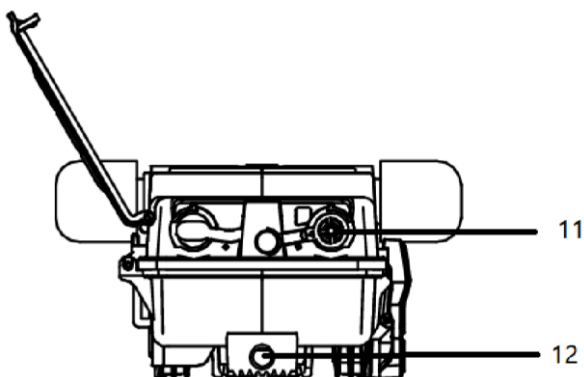
6: Temperature Humidity
Sensor



8: SD card slot

10: Power port for battery
Lithium pack

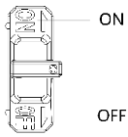
9: Power switch



11: DC port

12: Mounting hole

Buttons:

Button	Function
	OFF: Power off. ON: Power on.
MENU	Enter settings
	Navigation key
OK	① OK; ② Enter monitoring mode 。 ③ Enter sub-menu

1.1 Installing the batteries

This camera can function on Lithium power pack

1.2 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.

Power switch and buttons

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

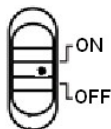


Fig2 Power switch **Power**

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).

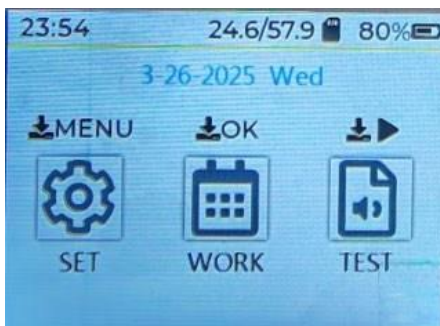
Buttons:

MENU: Enter menu

▲▼◀▶: Navigation button.

OK: Confirm operation

2 Setting Map



Recording Settings:

REC	
Date/Time	YYYY/MM/DD HH:MM:SS
Rename	_____ (8 characters, A-Z,0-9)
Recording Length	10/20/30sec , 1/2/3/5/10/20/30min , 1/2/4/6/8/12/24 hours
Recording Interval	0/30sec, 1/2/4/10/20/30min, 1/2/4/6/8/12/24hours
Sample Rate	8/16/24/32/44.1/48/96kHz
Gain	Auto/30/35/40/45/50dB
Channel	Left/Right/Stereo

Recording Length: Different recording lengths can be selected. The longer the duration, the larger the total file size. Files saved in 20MB segments.

Recording Interval: The interval between the end of the last recording and the start of the next recording

Sample Rate: Select the sampling rate when recording.

Gain: Select the sound size when recording.

Time Schedule:

SCHED	
Delay Start	Off/On. HH:MM
Sunrise/Sunset	Off/On. The options are Dawn/ Dusk/ Night/ Day.
Work Time	Off/On

Delay Start: Starting the sound record from a pre-set time each day.

Sunrise/Sunset: According to the GPS info to get the local sunrise and sunset time. Then you can choose which time period you want to record. The options are Dawn/ Dusk/ Night/ Day.

Work Time: Set the working periods per day.

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Note: Above three time schedule method has the same priority. The recorder's start running time is from the time that arrives first among the above three set times.

System Settings:

SYS	
Location	GPS info
Format SD Card	No/Yes
LED Indicator	Always/5 Minutes only/Off
Default Settings	Yes/No
FW Version	FW version

Format SD Card: Delete all the data in the SD card. Please make sure your important data are saved in advance.

LED Indicator: When the device is recording, the LED on the left side of the front case flashes green

Default Settings: The device can be restored to factory Settings.

Appendix I: Spec

GPS	Support
Frequency Response Range	20Hz–24kHz
Max sampling rate	96kHz
Sensitivity of MIC	–26dB, (–32dB selectable) (0dB=1V/pa@1kHz)
SNR	–78dB 1V/pa@1kHz
Dynamic sound pressure range	30–126 dB (SPL)
Sound Channel	Left/Right/Stereo
Gain	Adjustable gain ≥ 50 dB
Sound Pick up distance	>50meter

Temperature Humidity Sensor	Support
Power Consumption	≤150mw
SD card	Support 512GB SD card
Display	2.0"built-in color LCD display
Recording Time	From 10s to 24h, adjustable
Solar Panel	Support
Power	Rechargeable 12V Li-battery pack
Mount	Brackets and straps
Temperature	0℃ to +80℃
Humidity	5%–98%
Waterproofing Grade	IP68
Weight	422g±3g (Antenna, battery pack is not included)
Size	135mm*108mm*96mm

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