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WCS-5023

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Safety information

Please read the safety instruction carefully before using the product for the first time and keep the instruction for future reference.

1. This product is not a toy. Keep it out of reach of children.

2. Keep product out of the reach of children and pets to avoid chewing and swallowing.

3. Never use old and new batteries or different types of batteries together in main unit. Remove the batteries when you are not using the device for a longer period of time. Check the polarity (+/-) of the batteries when inserting them in the product. Wrong positioning can cause an explosion. Batteries are not included.

4. Product operating and storage temperature is from -30 degrees Celsius to 70 degree Celsius. Under and over this temperature might affect the function.

5. Never open the product. Do not touch the inside electronics, or you may get an electric shock. Repairs or service should only be performed by qualified personal.

6. Do not expose to heat or direct sunlight!

7. Do not use non-original accessories together with the product as this can make the product functionality abnormal.

1 Introduction

1.1 General description

This is a MINI trail camera. The camera features the all-new innovative and ultra-clear imaging technology, encompasses smart night vision, blur reduction, and noise reduction technology to deliver high resolution image quality. The camera is mini size which is easy to hide.

Key Features

A. Programmable 2M/4MP/8MP/16MP/20MP/24MP/32MP/48MP/50MP interpolated resolution
B. Support interpolated full HD (4K/2.7K/1080P/720P) video recording;
C. Take color pictures daylight and black white pictures at night;
D. 2 pcs high power invisible 940nm IR LEDs ;
E. Available operation temperature: -30℃to 70℃;
F. Build-In 2.0" LCD Screen to review photo and video in camera;
G. Support standard 6V adapter and 4 AA batteries(Adapter and batteries not included);
H. Extra-long range PIR;
I. Adjustable PIR sensitivity;

1.2 Application

This camera can be used as an automatic surveillance device for guarding and recording unexpected intrusion to homes, shops, schools, depots, offices, taxis, work sites, etc. It can also be used as a trail camera for hunting or monitoring animals by recording the traces of wild animals. It can be left alone for weeks and months, and it will save event records automatically in digital format.

1.3 Cautions

➢ The working voltage of the camera is 6V. The camera can be supported by a power adapter or 4 AA batteries (Adapter and batteries not included).
➢ Please install batteries according to shown polarity.
➢ Please insert the Micro SD card before powering on camera. The camera has no internal memory for saving images or videos. The camera will not work if there is no SD card. (Micro SD card not included)
➢ Please do not insert or take out the SD card when the power switch is at ON position.
➢ Make sure to format the Micro SD card into FAT 32 using a PC before use. Many other Micro SD cards formatted by other cameras have poor compatibility with different brands of cameras. So it is best to format the SD card with a computer.

➢ In the SETUP mode, the camera will shut down automatically after 3 minutes without any operation. Please turn on the power again if you want to continue to work with the control.

2.Camera Overview and Details

2.1 Camera Overview

Take a few moments to familiarize with the camera controls and display. It is helpful to bookmark this section and refer to it when reading through the rest of the manual.
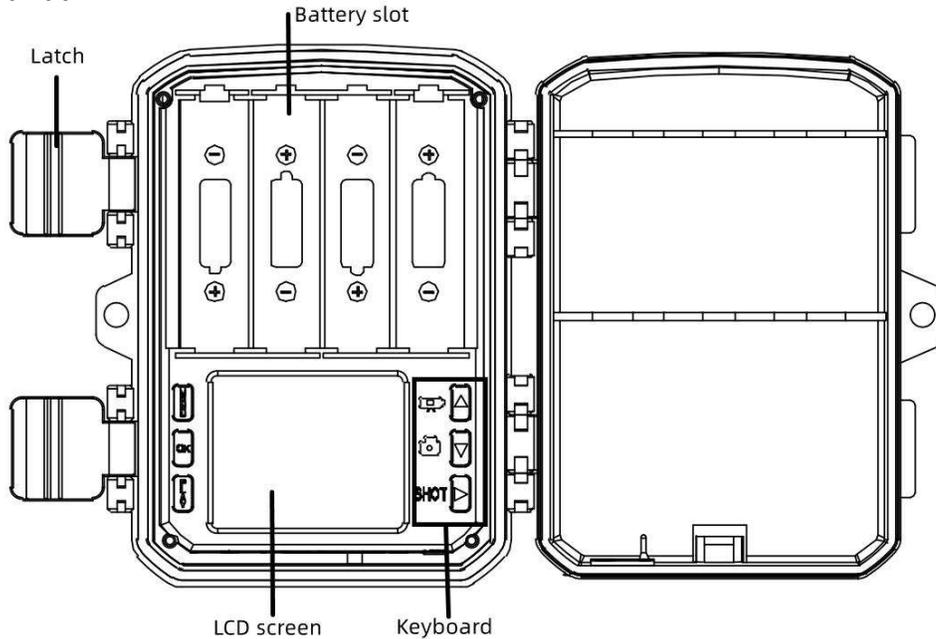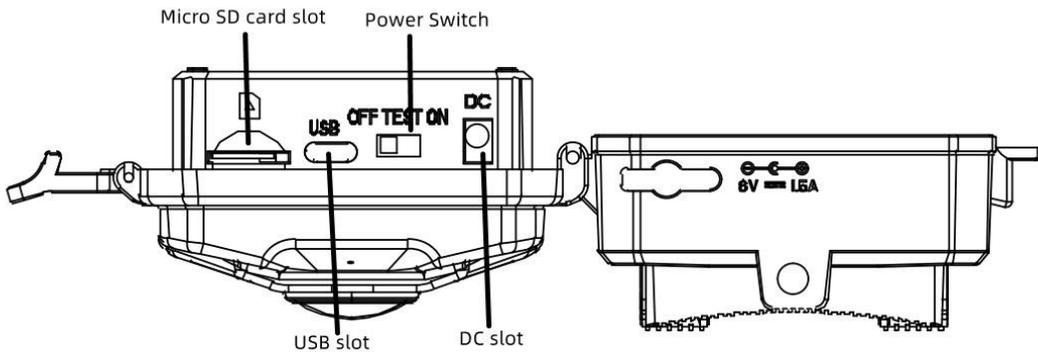

Figure 1 Inner panel view and Diagram of Input Keys

Figure 2 Diagram of camera interfaces

2.2   Mode Switch Introduction

Setup Mode: Slide the Mode Switch to "**SET UP**", then the Camera will enter Set up mode. In this mode, you can program the camera or to playback the photos or video clips.

Hunting Mode: Slide the Mode Switch to "**ON**", then the Camera will enter hunting mode. In this mode, when animal or human intrudes into the monitoring region, the camera will take pictures or videos automatically according to the previous programmed settings. After switching to "**ON**" position, the screen will show Mode：Motion Detection, Press OK to continue then: PIR preparing time count down. So you can put the camera in the correct position during this period. (The screen is OFF for power saving at ON)

OFF Mode: Slide the Mode Switch to "**OFF**", then the camera will power off.

3.Camera General Operations

This chapter explains the general operations for camera settings.

3.1 Power Supply

Use 4 AA batteries. High-density and high-performance alkaline or lithium batteries are recommended (Batteries not included).

Also 6V external power supply and solar panel are supported. The battery can be just a backup for emergency use (5V support). (Adapter not included)

3.2 Insert SD card

Insert a micro SD card. (SD card not included)

3.3 Preview Information Display

Slide the Mode Switch to "**SETUP**", then the Camera will enter Set up mode.

When the camera is enter "**SETUP**" mode the current settings will be displayed on screen.

Figure 3 Preview information display

3.4 Settings Menu

Press "**MENU**" on the keyboard to enter into the menu settings. The settings menu

will be shown on the LCD.

Use "▲" or "▼" key to select the menu item, use "**OK"** to enter the sub-menu or select the different options, Press "**OK**" to save the settings.

3.4.1 Setting Items

Setting Items	Description
Camera Mode	There are three camera modes: Motion Detection -Motion detection delay ,Time lapse interval,time lapse video **Default: Motion Detection**
Work Time	ON/OFF **Default: OFF**
Photo or Video	Photo/Video/Photo+Video **Default: Photo**
Photo Resolution	2MP/4MP/8MP/16MP/20MP/24MP/32MP/36MP/42MP/48MP/50MP interpolated **Default:8MP**
Video Resolution	4K/2.7K/1080P/720P interpolated **Default: 4K**
Photo Burst	1P/2P/3P/4P/5P **Default: 1P**
Video Length	5s-10Min Optional **Default: 10s**
Audio Recording	ON/OFF **Default: ON**
Detection Delay	5s~01Hour **Default:05s**
PIR Sensitivity	High/Middle/Low **Default:Middle**
Camera Name	ON/OFF **Default:OFF**
Motion Test	This function is for users testing the PIR work or not **Default: Off**
Fill Light Distance	Near/Middle/Far **Default: Far**
Date&Time	Set time &date --Y/M/D Time format:24h

Date Format	Date format: Y/M/D
	          M/D/Y
	          D/M/Y **Default:M/D/Y**

Time Format	24H/12H **Default:24H**
Loop Record	Enable to circular Storage ON/OFF **Default: ON**
Memory card Format	Format the SD card. All images and videos in the SD card will be deleted.max 256GB Class 10 SD card,recommend 32GB or 64GB (SD card not included)
Language	13 languages for optional **Default:ENG**
Password Protection	ON/OFF **Default:OFF**
Factory Reset	Default all settings
Version	Version information

Please notice - All products are subject to change without any notice. We take reservations for errors and omissions in the manual.

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Electric and electronic equipment contains materials, components and substances that can be hazardous to your health and the environment, if the waste material (discarded electric and electronic equipment) is not handled correctly.

Electric and electronic equipment is marked with the crossed out trash can symbol, seen above. This symbol signifies that electric and electronic equipment should not be disposed of with other household waste, but should be disposed of separately.

All cities have established collection points, where electric and electronic equipment can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.

DENVER A/S
Omega 5A, Soeften
DK-8382 Hinnerup
Denmark
www.facebook.com/denver.eu

Contact

Nordics

Headquarter
Denver A/S
Omega 5A, Soeften
DK-8382 Hinnerup
Denmark

Phone: **+45 86 22 61 00**
(Push "1" for support)

E-Mail
For technical questions, please write to:
support.hq@denver.eu

For all other questions please write to:
contact.hq@denver.eu

Benelux

DENVER BENELUX B.V.
Barwoutswaarder 13C+D
3449 HE Woerden
The Netherlands

Phone: **0900-3437623**

E-Mail: **support.nl@denver.eu**

Spain/Portugal

DENVER SPAIN S.A
Ronda Augustes y Louis Lumiere, n° 23 – nave 16
Parque Tecnológico
46980 PATERNA
Valencia (Spain)

Spain
Phone: +34 960 046 883
Mail: **support.es@denver.eu**

Portugal:
Phone: **+35 1255 240 294**
E-Mail: **denver.service@satfiel.com**

Germany

Denver Germany GmbH Service
Max-Emanuel-Str. 4
94036 Passau

Phone: **+49 851 379 369 40**

E-Mail
support.de@denver.eu

Fairfixx GmbH
Repair and service
Rudolf-Diesel-Str. 3 TOR 2
53859 Niederkassel

(for TV, E-Mobility/Hoverboards/Balanceboards,
Smartphones & Tablets)

Tel.: +49 851 379 369 69
E-Mail: denver@fairfixx.de

Austria

Lurf Premium Service GmbH
Deutschstrasse 1
1230 Wien

Phone: **+43 1 904 3085**
E-Mail: **denver@lurfservice.at**

If your country is not listed above,
please write an email to
support@denver.eu