
Portable Car Camcorder

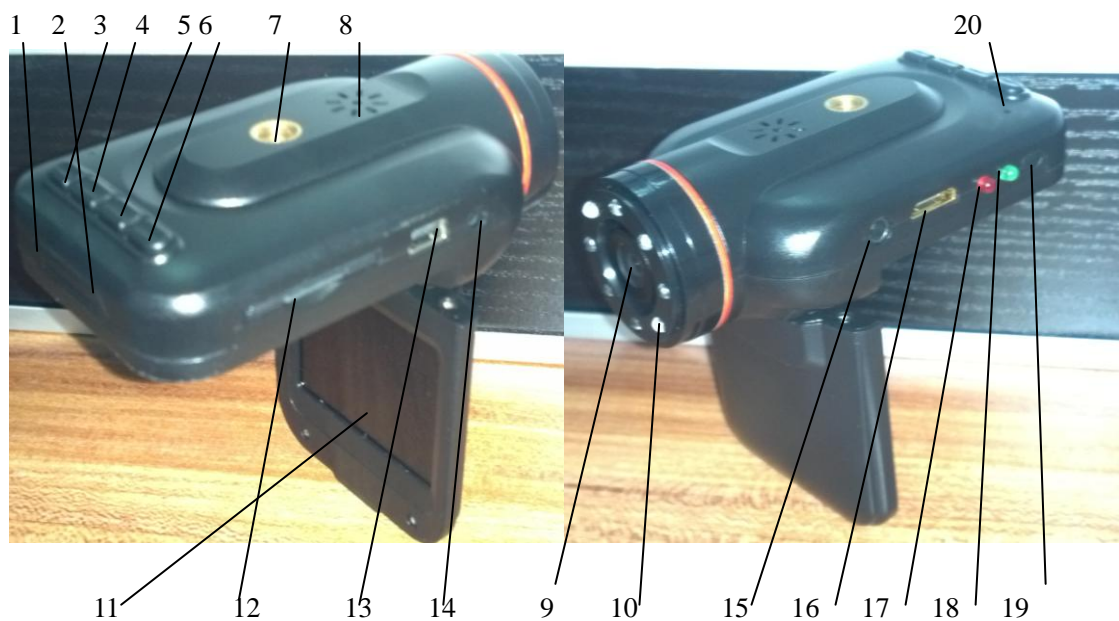
USER'S MANUAL

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Product description

This is a multi-functional 、 high-tech new product which is a set of video camera、 camera 、 recording with night mode function and external TF card memory. This product uses high-performance and high compression ratio video codec technology. It can transport high-quality transmission of video and multi-channel audio data by AV-OUT multimedia interfaces. Mainly used in car shooting, improving road safety accident forensics, and applicable to everyday life, travel, outdoor activities, to bring you a colorful life.

Product Quick Manual



- 1 Power Key 2 OK Key 3 Menu Key 4 Up Key 5 Down Key 6 Mode Key 7 Strap Holder
8 Speaker 9 Lens 10 Infrared Night Vision Light 11 TFT-LCD 12 TF card slot 13 USB
interface 14 DC power supply 15 AV-OUT Interface 16 HDMI 17 Power LED 18 Charge
LED 19 Reset Key 20 MIC

Start to use

Key function :

Button	functions
Power	First short press :power on Long press: power off Short press: Record Audio on/off
Menu	Enter setting options
Mode	Switch mode :Video mode/Photo mode/Playback mode
down key	Move down /Digital zoom out
up key	Move up /Digital zoom in
OK key	confirm
Reset key	Reset the system

LED description

LED	description
Power LED	Turn on the machine, the power indicator red LED lights up
Charge LED	Green lights indicate the current state of charge, when charging is complete, the light will go out

How to use

How to power on/power off the machine

Press Power key to power on the machine, meantime the power indicator would be on.

Long press Power key once more to power off the machine, meantime the power indicator would be off.

Warning: the machine will power off when the system get low voltage.

How to charge the battery

Use PC-USB /DC adapter/Car charger to charge the battery. Red light indicator is on while charging. Full charge time is about 180 minutes.

How to place the Micro SD card

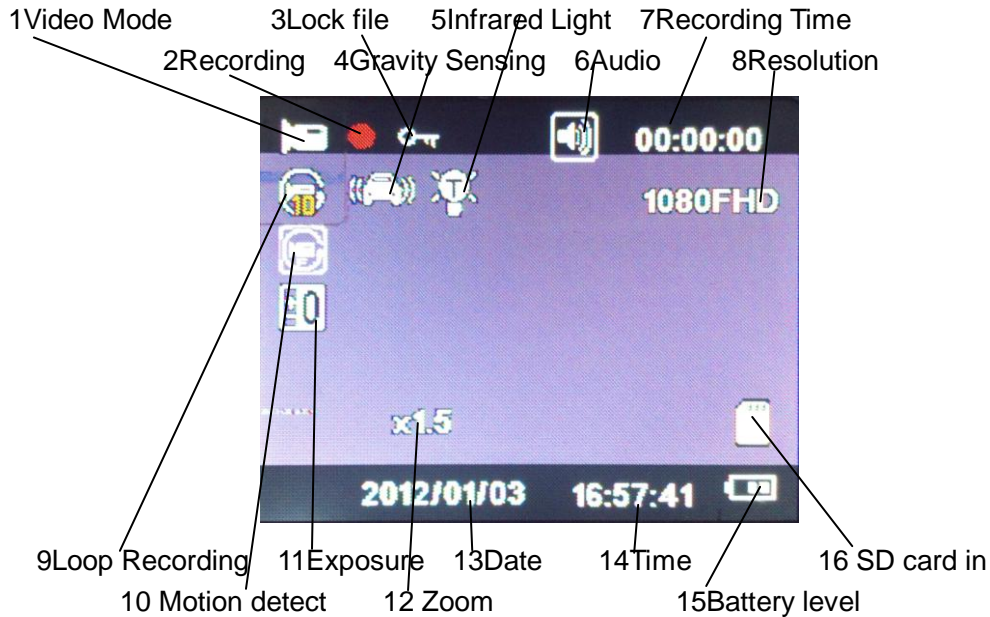
Place the Micro SD card into the memory card slot according to the product quick manual, press it until you hear a click .

Removing Micro SD card: Press it once and remove it after it pops up.

Mode Introduction

There are 3 modes: video mode, photo mode and playback mode. Press Mode button to switch mode.

Video Mode



1 **Video mode:** Show which mode is it in, and now is video

2 **Recording:** Recording is processing.

3 **Lock file:** Lock the current recording file .

4 **Gravity Sensing:** Gravity Sensing is on.

5 **Infrared Light:** Night mode is on.

6 **Audio:** When recording, audio is also recorded.

7 **Recording time:** The recording time

8 **Resolution:** The recording video's resolution is 1080HFD 1920x1080.

9 **Loop recording :** Loop recording is enable

10 **Motion detect :** Motion detection is on. When the sign green it stop, but white it start detecting

11 **Exposure:** +0.0 is selected.

12 **Zoom:** Zoom in 1.5.

13 **Date:** Recording date showed.

14 **Time:** Show the real time when the video recorded.

15 **Battery sign:** Show the battery level.

16 **SD card in:** SD card is put in the card slot.

Video Option Setting

Press Menu button to enter setting options:



Resolution: 6 options:1080HFD 1920x1080 /1080P 1440x1080 /720P 1280x720 /WVGA 848x480/VGA 640x480/QVGA 320x240.1280x720 is default value.

Loop recording: recording time: 3/5/10 minutes. Choose Off to disable this function.

Exposure:+2.0、 +5/3、 +4/3、 +1.0、 +2/3、 +1/3、 +0.0、 -1/3、 -2/3、 -1.0、 -4/3、 -5/3、 -2.0,+0.0 is default value.

Motion detection: Turn on/off the motion detection. When open motion detection, lens will respond to the motion of the target. after 10s video will automatically stop.

Record Audio: Turn on/off to choose record audio or not.

Date Stamp: Show the real time or not.

Gsensor: 3 options: Sensitive/General/Common.

Infrared light: Turn on/off.

Photo Mode

Press OK button to take a photo.

Take photo and set the relevant parameters in the photo mode menu.

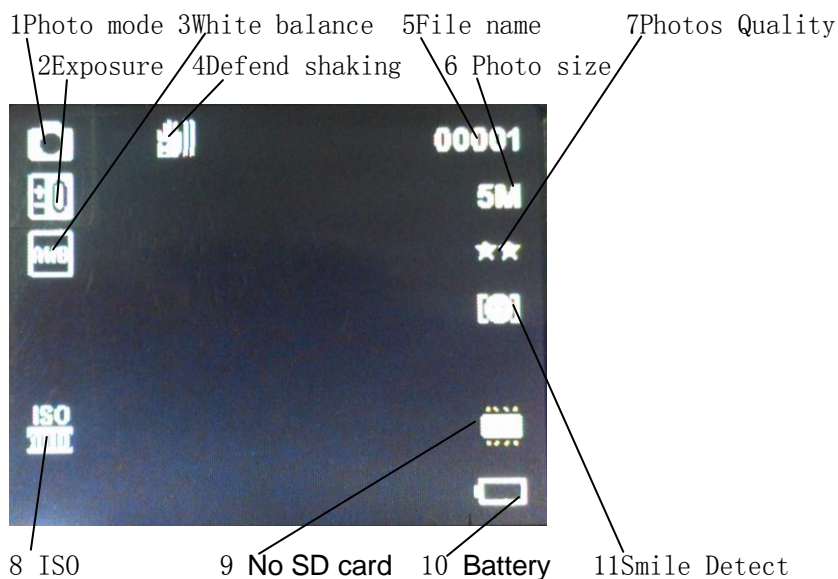
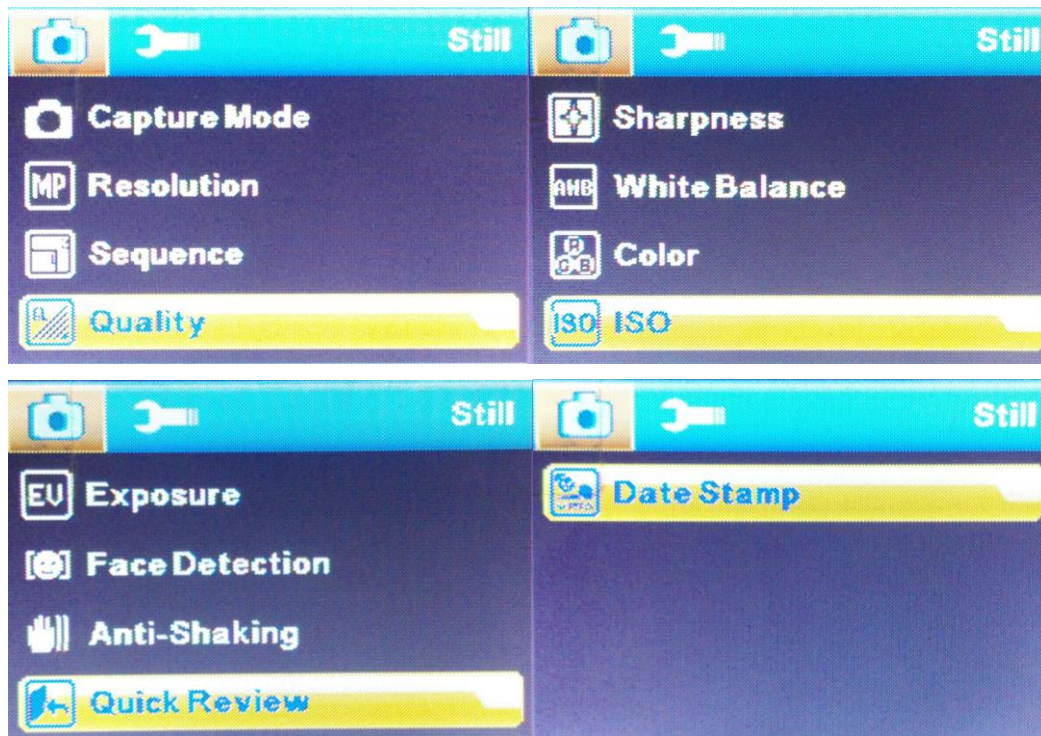


Photo Option Setting



Capture Mode: 4 options: Single/2s Timer/5sTimer/10s Timer.

Resolution: 12M 4032×3024, 10M 3648×2736, 8M 3264×2448, 5M 2592×1944, 3M 2048×1536, 2M HD 1920×1080, VGA 640×480, 1.3M 1280×960.

Sequence: On/Off.

Quality: Fine/Standard/Economy

Sharpness: Strong/Normal/Soft.

White Balance: 4 options: Auto/Daylight/Cloudy/Tungsten

Color: Black & White/Color/Sepia

ISO: Auto/100/200/400

Preview: on/off

Exposure: +2.0、 +5/3、 +4/3、 +1.0、 +2/3、 +1/3、 +0.0、 -1/3、 -2/3、 -1.0、 -4/3、 -5/3、 -2.0,+0.0 is default value.

Face Detection: Choose "Face Detection"/"Smile detection"

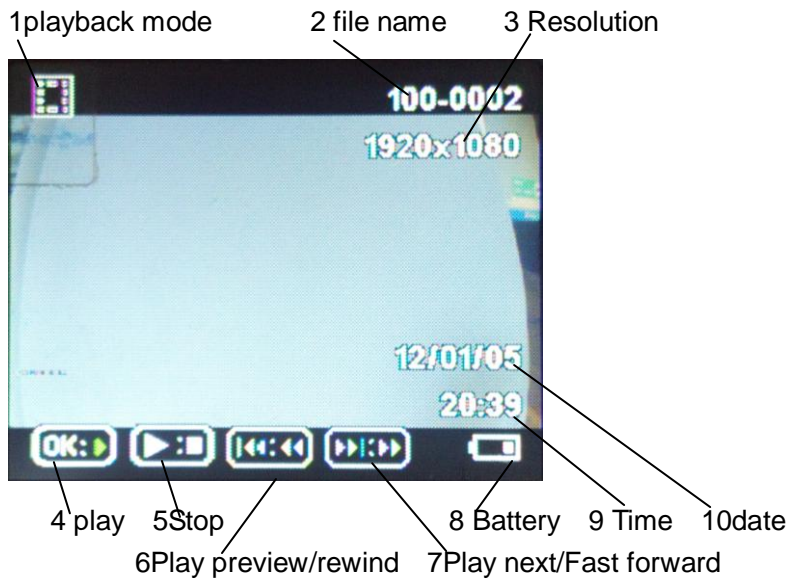
Anti-Shaking: Turn on/off.

Quick Review: Select 2/5 seconds or Off.

Date Stamp: Choose Date to show date only, "Date/Time" to show date and time.

Playback Mode

Play the photos and videos.



1. Press Mode button to select playback mode.
2. Press Up /Down button to select the recorded files and preview the video by pressing OK button.
3. Press OK button to play or stop movie. When played, press Up/Down key to zoom in/out.

Playback Option Setting



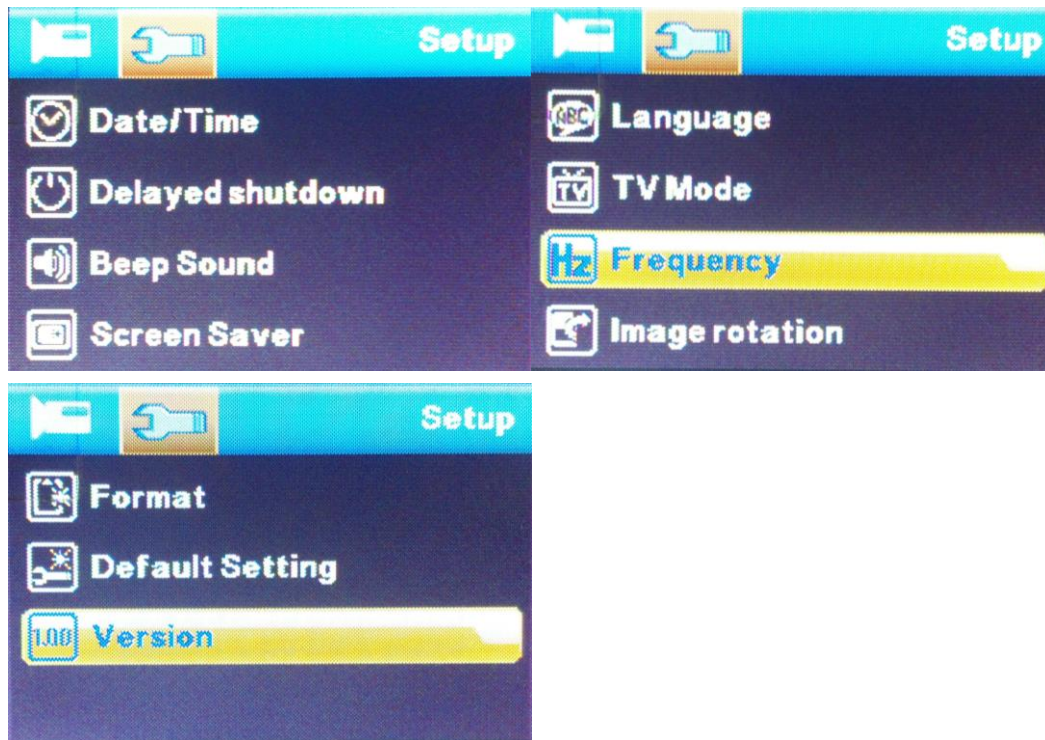
Delete: Choose to delete current one/all file/files.

Protect: Protect current one/all file/files, or Unlock current one/all file/files.

Slide Show: Set the Slide show time as:2 seconds/5 seconds/8seconds,or turn off slide show.

System Option Setting

Press Menu button, enter System Setting “Setup” option.



Date/Time: Set the date and time.

Deleted Shutdown: Delay 1/3 minutes to shut down the machine.

Beep Sound: Key tone on/off.

Screen Saver: Select 3/5/10minutes to auto turn off the LCD.

Infrared light: Turn on/off.

Language: Choose one from the options "English/ French/Spanish/ Portuguese/German/Italian/ Simplified Chinese/ Traditional Chinese/Russian/Japanese" as the system language.

TV Mode: NTSC/PAL, NTSC for default.

Frequency: 50Hz/60Hz

Image rotation: Turn on/off rotation.

Format: Choose format Internal Memory or SD Card.

Default Setting: Return menu setting to defaults

Version:410C3NOD4505N08

How to connect to PC

Before connect the machine to PC, turn on the machine, and enter System Option Setting to make sure connect to "Disk Drive" or "PC Cam". Place the Micro SD card into the memory card slot before connect to PC.

1. Disk Drive:
Choose to regard the machine as an external memory to PC.
2. PC Cam
Choose to regard the machine as an external camera to PC.

HDMI Interface

The driving recorder, equipped with HDMI all-digital video and audio transmission interface, can transport high-quality audio and video signal to the set-top boxes, DVD players, personal computers, video games, integrated amplifier, digital audio and TV.

Connect the TV's HDMI cable to the HDMI, driving recorder will automatically switch the video output to the TV.

HDMI



AV-OUT Interface

Connect the TV's AV-OUT cable to the AV-OUT, driving recorder will automatically switch the video output to the TV.

Features

DSP	NT96220
Platform	DV Turnkey
DRAM	DDR I 118Mb
Anti-Handshake	Electronic Image Stabilization
Digital zoom	4x Digital Zoom
Movie	12M 4032×3024,10M 3648×2736,8M 3264×2448,5M2592×1944,3M 2048×1536,2M HD 1920×1080,VGA 640×480,1.3M 1280×960
File Format	Still Image : JPG Movie Format: avi
White Balance Control	Auto /Daylight /Cloudy/ Tungsten
Color Effect	Normal/Black and white/Sepia
Seamless video	yes
Off file recovery	Yes
Motion detection	Yes
file naming	Yes
Recording Media	SD (Up to 32 GB support)

Multi-language Support(10 languages)	English/ French/Spanish/ Portuguese/German/Italian/ Simplified Chinese/ Traditional Chinese/Russian/Japanese
HDMI out support	yes, HDMI port: mini HDMI
AV-OUT	yes
Standard	NTSC/PAL
USB functions	1. Mass Storage 2. PC Camera