# WIFI Car DVR

## User manual

SP-215

Start Trip of
Smart Driving

# Preface

Thanks for selecting our WiFi-control product. This device is designed to assist driving via mobile phone. Integrating full HD car DVR with wireless control function, we are trying to provide more thoughtful service to our customers.

Installed in front of the rear view mirror, the 140 degree wide angle lens will work with the best view to record every detail clearly in your trip. Driving records will be stored in memory card. After connecting mobile phone with car DVR's WIFI, you can experience extensive functions such as product setting, real-time preview, video download, etc.

This manual will provide detailed instructions and help you to get the best user experience. Please read carefully before using.

# Content

## Packing list

Device x 1
Wire harness x 1
User manual x 1

## Features of WIFI Hand-control system

1.Normally use 4G network under connection of smartphone and DVR

2.No necessary to stop video recording to set parameters

3.One key to share videos and pictures

4.Connect to max 4 smartphones to check video with APP in the same time

5.APP online upgrade firmware (Android)

6.Wireless photographing (optional)

# APP downloading and WIFI connection

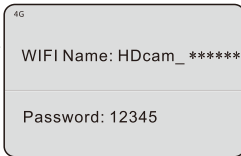1.Scan QR code as below to download and install APP.



⬇ APP(Android )    ⬇ APP(IOS )

**Prompt**

1.System requirements of APP.
IOS  above 8.0
Android  above 4.4
2.This QR code is used for both
Android and ISO. Platform will
be recognized automatically.
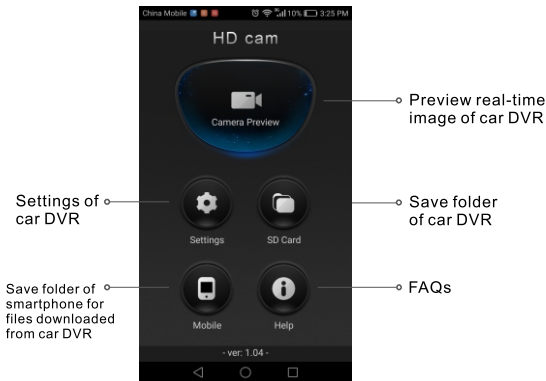3.Request memory card above
Class10.

2. Go to menu "Setting", click "WLAN", on Smart Phone, to find the WIFI name "HDcam_******"(random generated 6 charactors), and input default password "12345" to connect Car DVR.



PM2:37
‹ WLAN

open WLAN

Connected WLAN

HDcam_******
Connected

4G

WIFI Name: HDcam_ ******

Password: 12345

**Prompt** WIFI and 4G can work together when connected with Iphones, so it will not show WIFI incon 📶 in the top right corner of Iphones' screen when connected WIFI Car DVR.
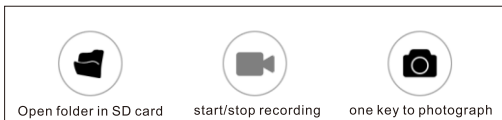
## APP user guide

### 1.Introduction for modules on Home Page



Preview real-time image of car DVR

Settings of car DVR

Save folder of car DVR

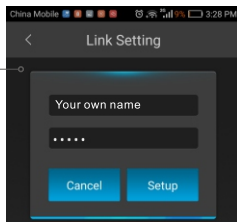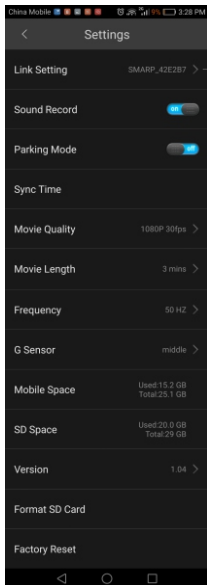Save folder of smartphone for files downloaded from car DVR

FAQs

## 2.Camera Preview [📹]

Click [Camera Preview] to enter interface as below. When car DVR is on recording, the red point blinks. You can tap full screen key [⤢] or rotate smartphone to enter full screen mode.



● Device Recording  00:06                    2016/05/25 AM

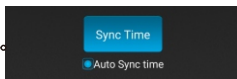| Open folder in SD card | start/stop recording | one key to photograph |

## 3. Settings [⚙]

Tap [Settings] to enter interface as below.



Link Setting: You can set up your own WIFI spot name and password in Link Setting. Tap Upadate after setup.
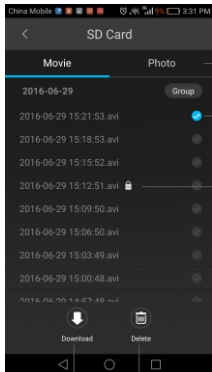
**Prompt**

Password is limited to 5 characters

Time setting: default automatically synchronize time with smartphone.

## 4.SD Card Files [🖼]

Tap [SD Card] to enter interface as below. Tap a file name, you can play the file online without downloading first.



video/picture switch

SELECTED prompt

**Prompt**

1.File with a lock icon 🔒 is SOS file (locked), video duration is from 6 seconds before collision to 6 seconds after collision.
2.Locked files are important and can't be covered by loop recording. When locked files are full of the memory card, car DVR will be warning with "DiDi" sounds. Then please delete the useless SOS files manually, or format memory card after confirming no import files inside.

download the selected file

delete the selected file

## 5.Mobile Phone Files [📱]

Tap [Mobile] to enter interface as below. The files in this folder are downloaded from SD card in car DVR. You can tap a file to play it.
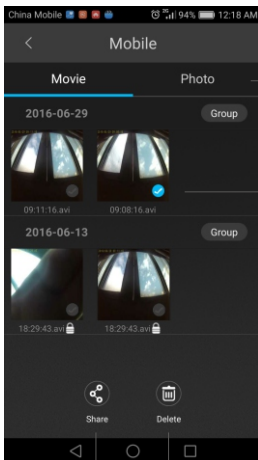


video/picture switch

SELECTED prompt

share the selected file to media

delete the selected file

# Functions of car DVR buttons

Select the suitable version corresponding to your smartphone.

**5** Buttons version

◎ Reset hole

▽ Manually Lock

(MIC) Sound Recording switch

(GPS) WIFI switch

(REC) Video Recording swith

⏻ Power switch

**2** Buttons version

◎ Reset hole

📷 Photograph button

⏻ Power switch

**1** Buttons version

◎ Reset hole

⏻ Power switch

# Specifications

| | |
|---|---|
| CPU | P8 |
| WIFI Performance | support WIFI connection with at most 4 mobile devices |
| Front lens | 140 degree wide angle lens |
| Video quality of front lens | H.264 AVI, Full HD 1920x1080P |
| Sensor Pixel | 2.0Mega |
| Picture format | JPEG |
| Picture resolution | 2.0Mega pixels |
| Display screen | no screen |
| Installation method | hidden installation |
| Interval of video recording | seamless recording |
| Parking mode | support |
| Automatic cover function | support (exclusive of SOS files) |
| Loop recording function | 1/3/5 mins clip for option |
| Sound recording | support |
| Emergency collision detection | support |
| Storage type | TF card |
| Capacity of memory card | support max 32G (above class 10) |
| Aperture | F2.0 |
| Network | IEEE802.11b/g/n wireless standard |

| Quantity of core | 4 cores |
|---|---|
| Material of shell | high-temperature-resistant ABS + PC |
| WIFI effective range | 20 meters |
| GPS | optional |
| Wireless photographing | optional |
| Built-in battery | 300mAh (suggest change battery in one year. Model without battery is optional. ) |

## Recording Time

| | 8G TF card | 16G TF card | 32G TF card |
|---|---|---|---|
| 1080P | 90 mins | 180 mins | 360 mins |
| 720P | 180 mins | 360 mins | 720 mins |

## Function specifying

### WIFI function:

Car DVR will send out WIFI signal. Smartphone will be able to operate car DVR via APP after connecting to WIFI.

### Video segmentation:

To ensure stability, recorded video will be stored as segments in TF card (1/3/5 mins for choice).

## Loop recording:

When memory card is full, it is no necessary to delete files manually. Loop recording will cover the early files (SOS files will be not covered).

**Prompt** SOS files will be not covered by loop recording. When memory card is full of SOS files, car DVR will be warning with "DiDi" sounds. You need to open APP and manually format the memory card in car DVR. Formatting will delete all files in memory card, please make sure to save important files, or delete unless SOS files.

## Parking mode:

Use APP to open parking mode (default close). After turning off engine, if any shake to car was detected, car DVR will turn on automatically and keep recording for about 30 seconds, and then turn off automatically.

## Collision detection:

G-sensor is built in car DVR. If any heavy bumping or emergency breaking happens to the car, the sensor will be triggered. The current video will be locked as a SOS file.

## Manually locking:

When driving, if you don't want the current video be covered by loop recording, please press the lock button ⬡ in car DVR. The 6 seconds video recording before and after this time will be locked.

## Solutions for common faults

### Can not connect to WIFI

1. Quit APP thoroughly and reopen it. Or press the reset button on car DVR (It is on right side of car DVR. Please press it by a hard thin stick).
2. Try at another place (There maybe interference source around).
3. Check if WIFI has been closed by the button on car DVR.

### Prompt No Memory Card

Please check if memory card has been inserted and works well.

### Can not record

1. Please make sure the memory card has been inseted.
2. When the memory card is inserted at the first time, please format the card by smartphone (Setting-Format memory card).
3. Please check if the memory card has been damaged.

### No image with camera preview

1. Please make sure the smartphone has connected with WIFI.
2. Please make sure the WIFI has been open on car DVR (default open).

### Image on APP is not smooth or can not be displayed

1. Shut down unneccessary APPs running in background.
2. Make smartphone be close to car DVR.
3. Shut down APP and reopen it.

## Car DVR does not open when power on

1. Please check if wire connection is correct.
2. For the car DVR with built-in battery, please twist together the wire ends of red wire and yellow wire, then connect them to ACC. Connect black wire to body shell of car.
3. For the car DVR without built-in battery, connect yellow wire to constant power, connect red wire to ACC, and connect black wire to body shell of car.
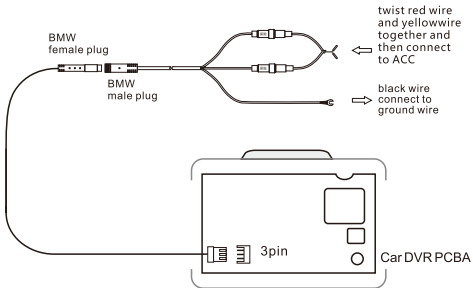
## Car DVR is warning

This device uses partitioned storage mode. Normal videos occupy 70% of total space, locked videos occupy 25% of total space, photos occupy 5% of total space. When it's warning with beeps, please manually delete the locked files. Please pay attention to retain important data.
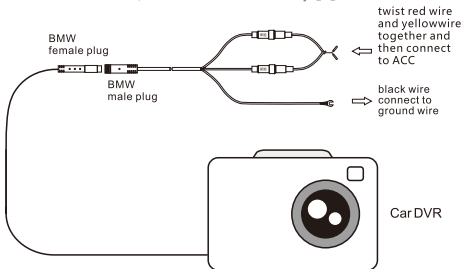
## Installation and wiring

PROMPT  We suggest you ask for help from professionals to install car DVR.

1. Make sure car DVR is power off.
   Insert memory card into card slot.

2. For the car DVR with built-in battery, please twist together the ends of red wire and yellow wire, then connect them to ACC. Connect the black wire to ground port.

1)Powered from Fuse Box,Car DVR with inside battery【1】

BMW
female plug

BMW
male plug

twist red wire
and yellowwire
together and
then connect
to ACC

black wire
connect to
ground wire

3pin

Car DVR PCBA

1)Powered from Fuse Box,Car DVR with inside battery【2】

BMW
female plug

BMW
male plug

twist red wire
and yellowwire
together and
then connect
to ACC

black wire
connect to
ground wire

Car DVR

2)Powered from Fuse Box,Car DVR without inside battery【1】

BMW
female plug

BMW
male plug

yellow wire connect
to continuous
power (Car Battery)

Red wire connect to
ACC

black wire
connect to
ground wire

3pin    Car DVR PCBA

2)Powered from Fuse Box,Car DVR without inside battery【2】

BMW
female plug

BMW
male plug

yellow wire connect
to continuous
power (Car Battery)

Red wire connect to
ACC

black wire
connect to
ground wire

Car DVR

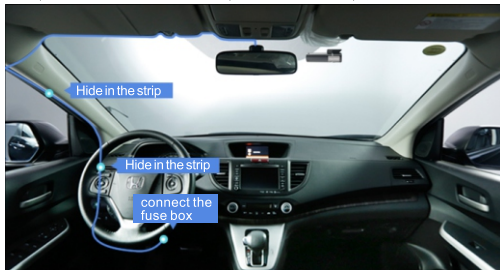3)Powered from Car charger 【1】
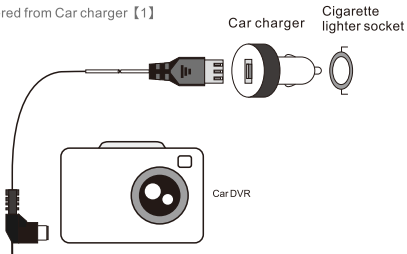
Car charger

Cigarette
lighter socket

Car DVR

We suggest you ask for help from professionals to install car DVR.

1.Make sure car DVR is power off. Insert memory card into card slot.

Stick to windshield

Hidden in the strip

Hidden under the floor mat

Connect the cigarette lighter

2)Fuse box power supply wiring diagram
   (some car models of fuse box position is different) ▼



Hide in the strip

Hide in the strip

connect the
fuse box

## Warning

**When accident happens:**
5 minutes after the accident happens, please stop recording
manually and download the current video clip to your smartphone
for safekeeping.

**When car DVR has been idle for 7 days:**
If car has been idle continuously for 7 days, when you start car
DVR, please connect APP with the car DVR for one time to make
sure time is coincident on both devices.

**When play files in memory card online:**
When you are playing the files stored in memory card of car
DVR, the device will stop recording. It will restore recording
when App is closed.

# Warranty card

We provide warranty since date of purchase

`Terms **&** conditions**:**
  1. Please show this warranty card and fill in the details to obtain warranty service.
  2. Quality problems in the state of normal use can be guaranteed.
``
`The warranty is void under such circumstances**:**
  1. Product damage caused by operational errors.
  2. The device is dismantled.
  3. The sticker is torn off.

| Mode No. | | Series No. | |
|---|---|---|---|
| Purchase Date | | Repair Date | |
| Customer Name | | Tel | |
| Customer Address | | | |
| Description of Malfunctions | | | |
| | | | |

APP(Android )

APP(IOS )

FCC Warning:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a

particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

o Reorient or relocate the receiving antenna.
o Increase the separation between the equipment and receiver.
o Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
o Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.