Prime 2/4 Cam DVR Dash Cam

Weatherproof 1080P
2nd Cam w/ 45' Cable

User Manual
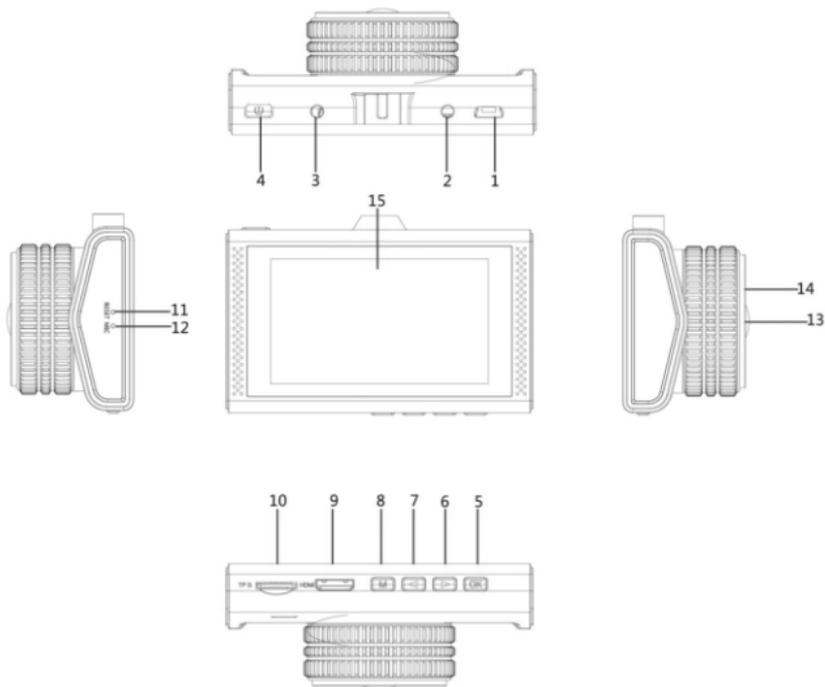
Index

1. Features

This model records video and takes photos during driving. It adopts dual Sony IMX322 sensor and Novatek 96663 chip-set, with excellent night vision performance.

1. Structure diagram

3. Part description

1. USB	2. GPS/BV	3. AV-OUT
4. ON/OFF	5. OK/REC	6. RIGHT
7. LEFT	8. MENU	9. HDMI
10. TF card	11. Reset	12. MIC
13. Lens	14. LED Lamp	15. Screen

Button description

Button	Description
POWER ON/OFF	1.Short press to power on, long press to power off 2.Under power on status, short press to turn on LED lamp
OK	REC / Confirm
MENU	Menu / Long press SOS video lock / Short press MIC ON/OFF
LEFT	Move/ Switch display
RIGHT	Move / Take photo while recording
RESET	RESET

Indicating light description

Name	Description
Indicating light	When blue light flashes camera is recording video; When blue light stops flashing the recording stops. When Red light is solid camera is charging; when red light turns off the battery is fully charged.

4. Operating Instruction

POWER ON/OFF

1. Short press POWER Button to turn on and long press to turn off.

2. When the car charger is plugged in, the dash cam turns on and starts recording; when car charger is unplugged and dash cam battery fully charged, video files saved and dash cam powered off.

Battery charging

Ways of battery charging

1. Charging via PC USB cable.

2. Charging via car charger.

Charging icon shows screen while charging, with red light flashing. It takes about 120 minutes to fully charge the battery then red light is off.

Installing memory card

Push memory card into card slot per correct direction.

Remove memory card: Push the card a bit then it releases, remove it from card slot.

Basic operations

Mode:

Video mode: Is for recording videos

Photo mode: Is for taking photos

Playback mode: It for Reviewing videos and photos

Video setup

Resolution: WVGA P30 (Low), FHD P30 (Medium), HD P60 (High)

Loop recording (Used to measure increments in which camera records): 3 Minutes, 5 Minutes, 10 Minutes, Off

WDR: On, Off

Exposure (Used to filter backgrounds): 0.0, -1/3, -2/3, -1.0, -4/3, -5/3, -2.0, 2.0, 5/3, 4/3, 1.0, 2/3, 1/3

Motion detection (Used to monitor vehicle while charging and unattended): On, Off

Record Audio (Used to record voice and sound in main camera area): On, Off

Date stamp (Used to show recording time & date information): On, Off

G-sensor (Used to lock and store accidents or almost accidents): Low, Medium, High, Off

5

Parking monitor (Explained Later): On, Off

Time lapse record: 1 Second, 5 Seconds, 10 Seconds, Off

LDWS (Explained Later): On, Off

FCWS (Explained Later): On, Off

Dual cam display (Used to determine which camera is to be viewed): Front, Behind, Both **Option only appears when auxiliary camera is plugged in**

Setup

Date/Time, Plate number, Auto power off, Beep sound, Language, Frequency, TV mode ,Format ,Default setting ,Version, Screen saver, Firmware update, Delete all, Lock all, Unlock all

Video mode options

Video recording: Switch to video mode, press OK button to start/stop recording video

Photo taking: Switch to camera mode, press OK button to take photo.

Playback: Switch to playback mode, press LEFT/RIGHT button to select video files, press OK button to play/pause.

Parking monitor ON/OFF

1. Connect dash cam to car battery via power adapter, any vibration or motion would turn on dash cam and video is saved and locked. Dash cam would be turned off automatically.

2. Connect dash cam to car battery via power adapter, vibration would start the cam and recording like a normal situation. Cam would not be OFF

automatically and file is not locked.

3. Connecting auto battery power by adapter, any vibration or motion would turn on dash cam. Before dash cam turns off automatically, plug car charger would make the second video file unlocked and dash cam does not turn off. The first video file is saved and locked.

4. When dash cam battery is low and memory card is not installed, dash cam would not be turned on by any vibration or motion.

LDWS

During driving, dash cam monitors distance between car and lane marking via advanced chip set which process data to identify if car has deviated from lane. Once car deviates from lane, dash cam utters warning sound to remind driver to take action.

FCWS

FCWS (Forward Collision Warning System). During driving, dash cam monitors distance between car and front car via advanced chip set which process data to identify any potential collision risk. Once car is too close to front car, dash cam utters warning sound to remind driver to take action. This function is very helpful for distracted drivers.

Rear camera setting

Plug rear camera to BV port on dash cam, follow the sequence of: M button -

Video setup - Resolution setup - OK button, to start dual camera recording, shown on screen as "FHDP30+FHDP30". Switching between 3 display modes available during recording.

Remarks: USB for charging, BV for GPS or rear camera.

System setup

Press M button to enter main menu, go to SETUP menu and select desired options via OK button. Return to main menu via RIGHT and LEFT button.

System setup options

Date/Time: Used to set Date and Time. Use Right, Left, and OK buttons to change values and press Menu button to save.

Plate Number: Used to show License plate number of vehicles that may be in the video. Shown on the video

Auto power off: Used to turn camera off after unit is first powered on. Off/1 minute/3 minutes/5 minutes

Beep sound: Turns key tone on or off.   Off/on

Language: Used to select language: Chinese simplified/Chinese
        traditional/English/French/Japanese/Russian/German/Italian/Por
        tuguese/Spanish etc.

Frequency: Used to clear frequency barriers that arrive. 50Hz/60Hz

TV mode：NTSC/PAL

Format: SD card, Cancel/OK

Default setting: Restore default setting, Cancel/OK

Version: Version number

Screen saver: Used to turn screen off while camera is still recording. off/30 seconds/1 minute/2 minutes

Firmware update: N/A   Cancel/OK

Delete all: Used to delete videos and photos: Delete all video, Cancel/OK

Lock all: Used to lock videos and photos Lock all video, Cancel/OK

Unlock all: Used to unlock videos and photos: Unlock all video, Cancel/OK

Ports

AV-OUT/HDMI

Dash cam has AV/HDMI port to enable playing video and audio via other devices such as DVD player, PC, TV.

USB

Connect USB with PC, power on and USB menu pops up, with 3 options:

1. Mass Storage

Storing video files and photos.

2. Camera

For PC cam mode.

3. Video

Select to go to dash cam interface.

5. Specification

Chip-set:	NT96663+2GB DDRIII chip-set
Sensor:	Dual Sony IMX322

Lens:	Front 170 degree/Rear 140 degree 6G glass wide angle lens
Resolution:	FHD1080P@30FPS+FHD1080P@30FPS
Lens pixel:	Dual 2M Sony IMX322
Video format:	H.264 MP4
Photo format:	JPEG
Frame rate:	H.264@1080P 30fp/s H.264@720P 60fp/s H.264@720P 30fp/s
G-sensor:	3-axis solid collision detection
Record mode:	Loop recording, time lapse recording
Video interruption:	0ms,3s/5s/10s
Memory card:	Support TF memory card 1GB~128GB
LCD:	3.0" 16:9(960 X240)
Video output:	HDMI,AV OUT
Boot time:	2S
Working voltage:	DC 5V 1.5A
PC CAM:	UVC PC camera
USB:	USB2.0
Video specification:	FHD1080P=1920*1080 / 1080P=1440*1080/

	720P=1280*720 /…
Image resolution:	12M 4032*3024 10M 3648*2736 8M 3264*2448 5M 2592*1944 3M 2048*1536
Working current:	450mA (typical value) (DC 5V)
Quiescent current:	20uA
Storage temperature:℃	（-20℃-70℃）
Operating temperature:℃	（0℃-60℃）
Operation humidity (RH)	15%-60% RH
Battery:	Li-polymer battery 300mAH
GPS tracking:	Optional
LDWS	Support
FCWS	Support