2nd Gen Pinnacle Manual

1. Product Features

This product records video, audio and can take pictures manually. This product uses the latest advanced SONY IMX335 sensor chip-set. FalconEye Pinnacle is our top-of-the-line dash camera with high-definition video recordings and great night vision recordings.

2. Product Description Diagram
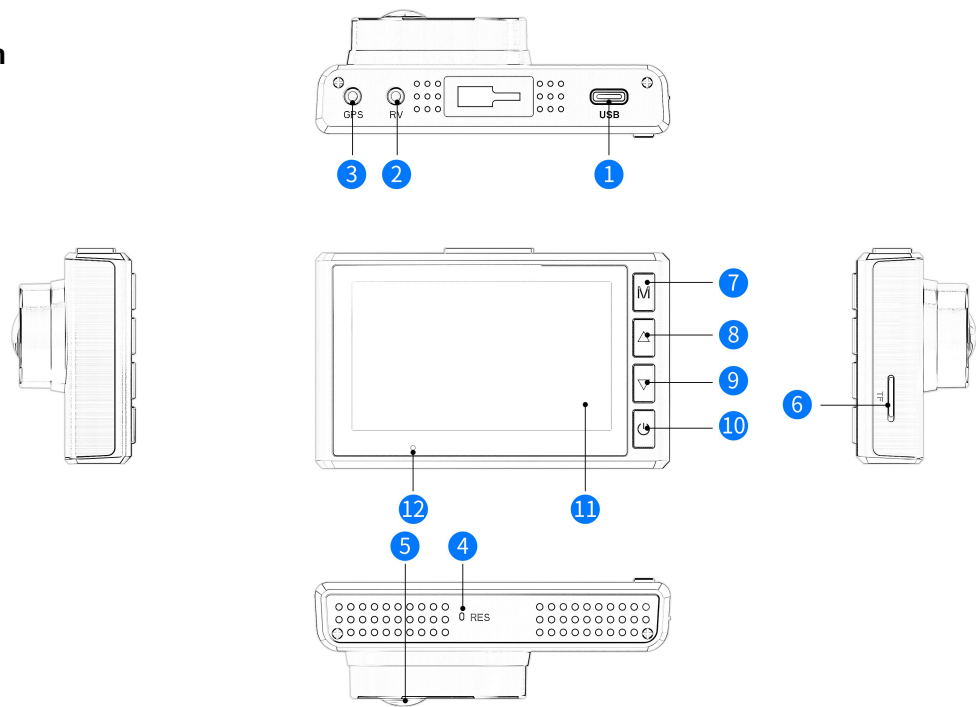
No.	Part description
1	Type-C Power port
2	2nd camera port
3	GPS port
4	Reset button，MIC
5	Front camera lens
6	Micro SD card slot - Class 10 or higher
7	M button (menu, enter, file lock & unlock)
8	Menu up button (Long press to turn on/off Wi-Fi, short press to turn on/off Mic)
9	Menu down button
10	Power button(Long press to turn on/off dash cam, short press to confirm)
11	Main Camera _ Menu Display
12	Indicating light(Charging, recording)

Button name	Function definition
POWER	Short press to power ON, long press to power OFF
OK/REC	Confirm/REC by short press
MENU	Menu setting
MODE	Switch Mode by long press
SOS	Lock current footage when recording
UP/DOWN	Navigate menu options
WIFI	Long press to ON/OFF WIFI
MUTE	Short press to mute when recording
VISION SWITCH	Short press to switchvthe display mode
RESET	Reset

Indicator Light Instructions

Name	Instructions
Indicator	1. In Record mode, the blue indicator light flashes repeatedly. In Record Off mode, the blue indicator light remains steady. 2. When in Charging mode red indicator light remains steady.

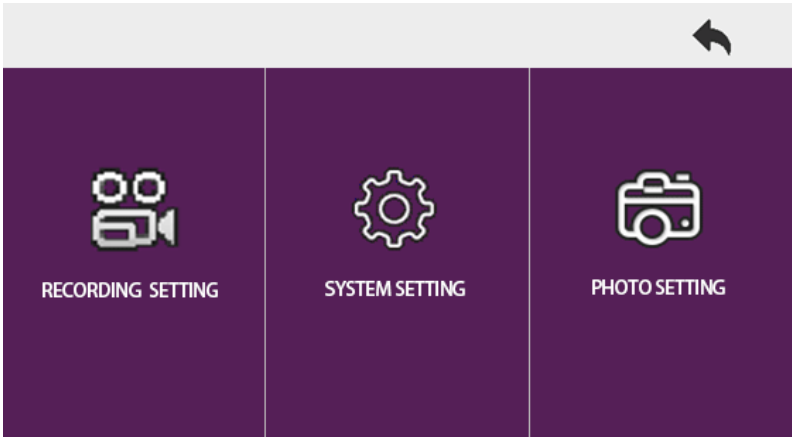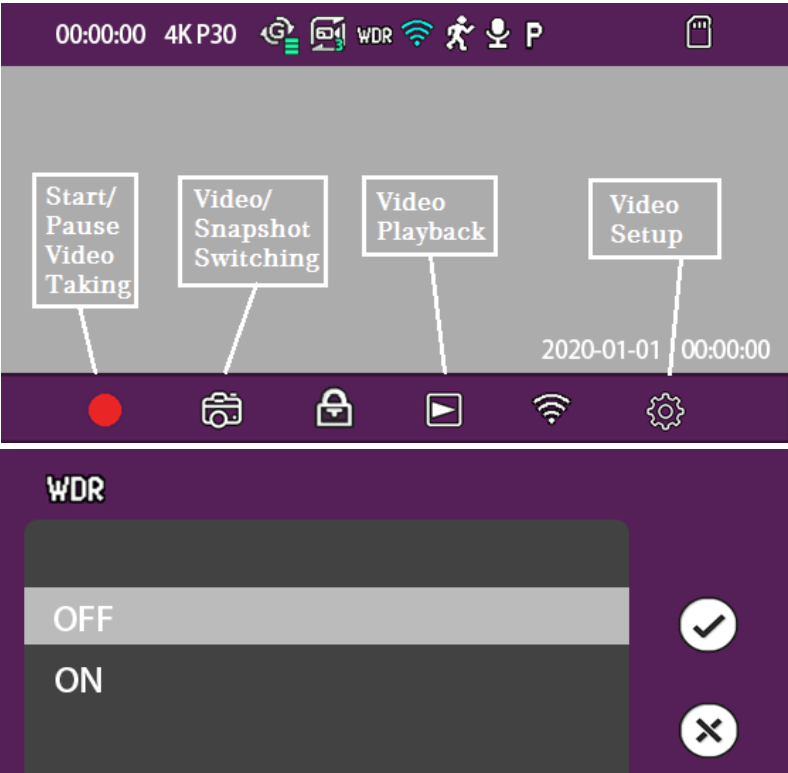## 4. Operating Instructions

Power ON/OFF

1. Short Press to power on. Long Press to power off.

Inserting storage card

1. Insert micro-SD memory card into SD slot.

2. Removing memory card：to Remove SD Card simply push in Card to release.

Touch Screen Guide

To display touch screen and access icons, the dash camera must not be recording.
Pause recording to touch menu icons.

Basic Operations

Mode Options:

Video mode: Camera Recording Mode

Photo mode: Take pictures manually

Playback mode: Review recorded/locked videos and pictures.

Mode options

Video Recording:

Switch to video mode, press the OK button to start/stop recording video.

Photograph: Switch to camera mode, press the OK button to take pictures.

Playback: Switch to Playback mode, press UP/DOWN button to select video files, press the OK button to play/pause video

Parking Monitor

Parking monitoring is turned on, when the vehicle is turned off, dash cam enters into the automatic shutdown program, If the car receives a vibration from the external force, the dash cam will start recording, automatic shutdown after recording 10-15 seconds; When the vibration is detected again, the recording function will be started again.

WIFI Connection

Activate WIFI by pressing the UP button, search 'roadcam/kakaok' on IOS/Devices to connecting by tap in correct password which show on the DVR.

System setting

GO TO Menu page, switch to any SELECTION USING Up & Down buttons. Push button to select your setting. Press the menu button to return to standby status.

System Setting Option.

Resolution: FHD/HD

Loop recording: OFF/1mins/3mins/5mins

WDR: OFF/ON

Audio: OFF/ON

Date stamp: OFF/ON

G-sensor: OFF/Low/Medium/High

Coding: H.264/H.265

Motion Detection: OFF/ON

WIFI: OFF/ON

Parking Monitor: OFF/ON

Time lapse record: OFF/1S/5S/10S

ADAS: OFF/ON

EV: -2~+2

Rear mirror: OFF / ON

Screen saver：OFF / 1min / 3 mins / 5mins

Auto power off：OFF / 1min / 3 mins / 5mins

Beep sound: OFF / ON

Language setting: English / Thai / Chinese / French / Japanese / Russian / Spanish / German / Italian

Date/Time: YY/MM/DD

Frame rate: 50HZ/60HZ

License Plate: Input font and number

Lock all: NO / YES

Unlock all: NO / YES

Delete: OFF/ON

Format: Format the TF card, NO / YES

Default setting: recover default setting, NO / YES

Version: The version of the firmware.

USB interface

Connect to Computer with USB: There are 3 modes to choose from. Power on cam and the menu will display these modes.

1. Mass Storage - Stores all video and photo files.

2. PC Camera - Select this mode for using a PC cam.

3. Video - DVR works in video recording mode.

5. Product Specifications

Sensor	SONY IMX335
Lens	170°+140° wide angle,6G, F1.8
Video resolution	1440P 2K 30FPS 2K 30FPS + 1080P 30FPS FHD1080P 60FPS (Single lens only)
Lens pixel	5M CMOS
Video format	H.265 MOV
Photo format	JPEG
Frame rate	H.265@1080P 60FPS/30FPS H.265@720P 60FPS/30FPS
WIFI	Internal, IEEE 802.11b/g/n, 2.4ghz
G-sensor	Three axis solid collision detection
Record mode	Loop recording, Time lapse recording
Memory card	Supports SD memory card 8GB～128GB
LCD	3.0" 16:9 IPS Screen (960 X240)
Boot time	2S
Working voltage	DC 5V 2.0A
PC CAM	UVC computer camera
USB	USB2.0
Video specification	FHD1080P=1920*1080 / 720P=1280*720 /…
Image resolution	12M /10M 8M /5M /3M
Working current	450mA (typical value）(DC 5V)
Quiescent current	20uA
Storage temperature (℃)	（-20℃-70℃）
Operating temperature (℃)	（0℃-60℃）
Operation humidity (RH)	15%-60%RH
Capacitor	Supports