

### 1. Names and Parts

1. Power On / Off Key

2. Power Out: 5V 1A

3. Power / Rec LED

4. Camera Lens

5. IR LED

6. USB Port

7. Format Key

8. Memory Card Slot

9. IR On / Off Switch (Left Off / Right On)

**2. Package Content**

Car Charger DVR

User Manual

Memory Card

**3. Date & Time Setting (for Windows System)**

3.1 From the desk top right-click to open Notepad, create a text file named settime.txt

3.2 On the first line of the file, enter date and time information as year.month.day hours:minutes:seconds. For example, suppose the time is October 16th, 2017 15:00. Then, please enter 2017.10.16 15:00:00  
**※ There should be a space left between date and hour; time format should be the 24-hour format.**

3.3 Save the file to the root directory of the memory card.  
**※ If the setting is completed, the settime.txt file will not be visible when you connect the device to the computer again.**

**4. Operation**

#### 4.1 Adjust Camera Lens and Shells

4.1.1 The format key, USB port and memory card slot are designed on the side of the DVR that can be covered up by a hard shell.

4.1.2 You can decide whether to show or hide the ⑥ ⑦ ⑧ and ⑨ by rotating the hard shell (as above illustration shows.)

4.1.3 You can adjust the camera lens direction by panning, tilting and rotating the base of the DVR.

### 4.2 Powered by Car Cigarette Lighter Socket

4.2.1 Power on  
Plug the DVR directly to your car cigarette lighter socket and start the car, device will automatically turn on.

4.2.2 Recording  
Recording will start once the device is turned on. When you see the yellow / red LED is on, you know the Rec is on.

4.2.3 Power off  
There are three ways to turn the power off.  
**(The video clip will also be saved simultaneously when the power is turned off.)**

4.2.3.1 If you turn off the engine, the DVR will also power off automatically.

4.2.3.2 Unplug the DVR from the car cigarette lighter socket, the DVR will also power off automatically.

4.2.3.3 Long press ① and the device will be turned off when the yellow LED is off.

4.2.4 IR LED  
When you switch ⑨ to on, the recording video color will turn black and white. To turn off the IR LED, just slide the LED switch to off.

4.2.5 Charging the battery  
When you plug the DVR to the car cigarette lighter socket and start the car, the internal battery will be charged automatically (internal battery is only used for saving the video clips when the engine is off.)

### 4.3 Powered by Battery (Last Around 20 Minutes)

4.3.1 Short press ① and the device will be turned on when the yellow LED is on.

4.3.2 Recording:  
Recording will automatically start when the device is turned on. When you see the yellow / red LED is on, you know the Rec is on.

4.3.3 Long press ① and the device will be turned off when the yellow LED is off.

**5. Format Memory Card**

5-1 Press ⑦ and power on the DVR, the yellow LED will blink and shut itself off.

5-2 When the LED goes off, the format is completed.

**6. Download the Video to PC**

There are two ways to retrieve video files.

1. Use memory card reader to retrieve video files.

2. With the device powered on and memory card inserted, plug the USB cable into ⑥, and plug the other end into the PC. The device will be recognized by PC as an external drive for user to retrieve the files.

### 7. Specification

Built-in Camera Module	
Built-in Image Sensor	Progressive 1/2.9 inch SONY CMOS
Sensor Resolution	2000x1121
Sensor Sensitivity	0.1 Lux @ F2.0 50IRE
Lens F/No.	F2.0
Focal Length	4.6mm
Angle of View	78.2°
Video Spec.	
Algorithm	H.264, JPEG
File Format	MOV
Video Recording Mode	Manual
Recording Capability	1920x1080
Frame Rate	Up to 30 fps
Storage & I/O	
Memory Type	Micro SD Card (Support SDHC max=32GB)
Data Interface	Mini USB 2.0
Misc.	
Date/Time Table	YYYY/MM/DD, HH:MM:SS
Power	
Power Input	DC 12-24V
Power Consumption	260-300mA (IR OFF) (IR ON + 330mA)
Battery Input	DC 3.7V / 130mA polymers battery (XK032030)
Battery Lifetime	Continuous recording 20min
Power Output	1.1A
Physical	
Dimension	9.5x4x4 (cm)
Weight	57g

**※ This product is for Law Enforcement and Home Security Use Only!**

## PV-CG20

### 1080p Car Charger DVR

(With Night Vision)

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V1.3