Gembird

DCAM-005

English

1: Product Description

1.1 Product structure
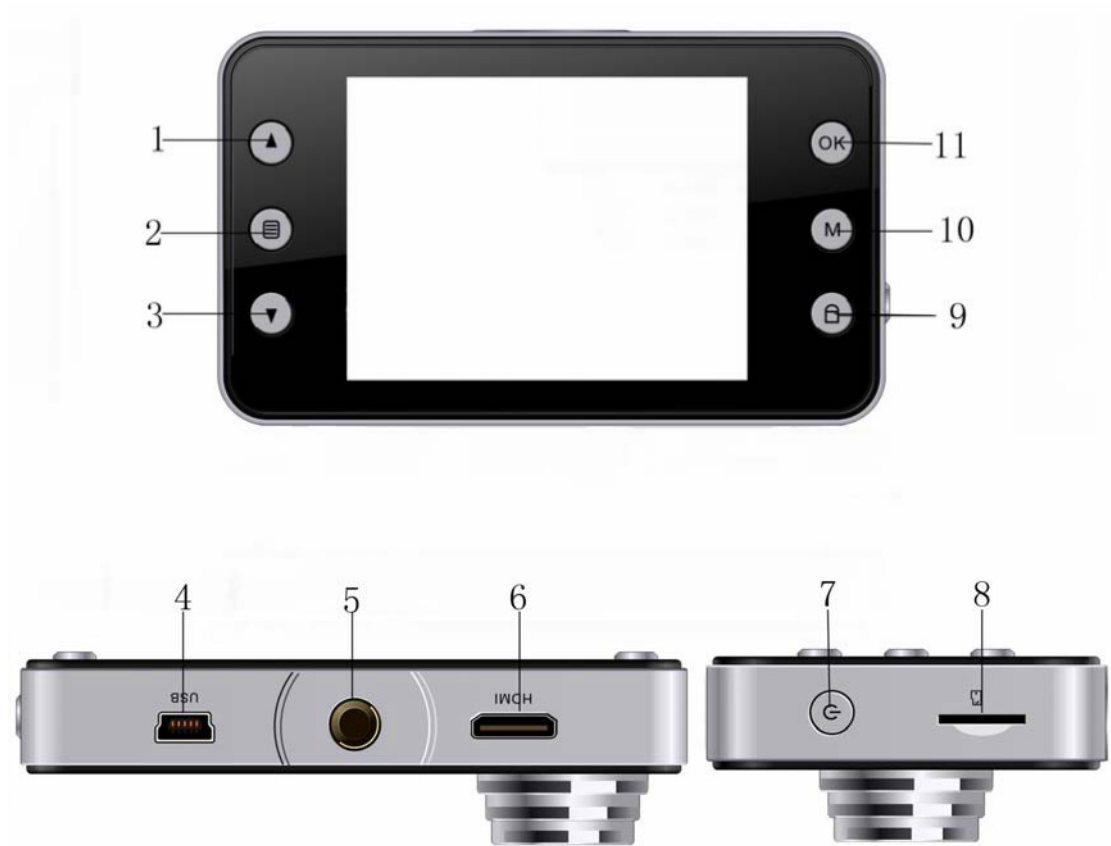
1) up button   2) menu button   3) down button

4) USB data interface   5) bracket mounting holes   6) HDMI output

7) Power switch   8) microSD card slot   9) the LOCK button

10) Mode selection button   11) OK / confirm button

1.2 Description of the function keys:

1) Button up - In standby mode or in video m o d e you can use this button to zoom in. The button is also used to scroll within the menu's.

2) Menu button - Short-Press to bring up the fist tab of the menu. A second press will open the second tab.

3) Button down - In standby mode or in video m o d e you can use this button to zoom out. The button is also used to scroll within the menu's.

4) USB connection - USB data interface for:
(1) connecting to a PC
(2) connecting an external power supply to charge the battery

5) Bracket mounting hole – To connect the car bracket
6) HDMI output interface - To connect to high-definition display devices with HDMI cable (not included)

7) The power switch - Long press on / off - Short press toggles front LED lights.

8) MicroSD card slot – Input your memory card here

9) The "LOCK" button – Pressing this button, saves the currently recording video fragment, so it can no longer be deleted automatically by the camera.

10) The mode select button – a short press to switch between each of the camera modes: video/ photo / playback.

11) OK button – When in video mode this button acts as the "REC & stop" button. When in photo mode –short press – to take a picture. When in a Menu – use this button to confirm selection.

1.3 Special Function Description:

The G-sensor function
When there is an abrupt acceleration (e.g. accident) up to 6g (1g = 9.80 m / sec^2), the camera will automatically save the current video, so it can no longer be deleted automatically by the camera.

LOCK function
Pressing this button, saves the currently recording video fragment, so it can no longer be deleted automatically by the camera.

2: Basic instructions for camera use:

Switching the camera On and Off

Press and hold the power button ⏻ to power on the camera - the blue indicator light will be lit.

Again press & hold the power button ⏻, the blue light goes out and the device is turned off,

Note: If the battery runs low, the camera will automatically shutdown – in this case please attach a power source.

Video mode

Short press (if needed) of the Ⓜ key, switches to video camera mode, the upper left corner of the screen displays a camera icon;

Short press of the ⓄK button to start the camera, the camera icon will flash and a red dot indicates the recording is active.

Photo mode

Short press (if needed) of the Ⓜ key, switches to photo mode, in the upper-left corner of the screen the photo camera icon is displayed

Short press of the ⓄK button to take pictures

Video / photo playback mode

Short press (if needed) of the Ⓜ key to switch to playback mode, in the upper-left corner of the screen the playback icon appears.

Use the up & down arrow keys to select the desired photo or video file and press OK to play (video only)

Menu setting

Short press the Menu button 🗎 to enter the first tab of the menu "video settings". A 2nd press of the Menu button 🗎 switches to the 2nd tab of the menu "camera settings". Use the arrow keys to navigate through both these menu's and press OK to open menu items and confirm changes. When finished, just press the Ⓜ key again to exit the settings menu.

Time & date

As above - Short press the Menu button ⊜ twice to enter the 2nd tab of the menu, the "camera settings". Use the arrow buttons to select the "date /time" option and press ⊙OK to confirm. Use the arrow keys to modify the various parts of the date (dd/mm/yy) and press OK to confirm changes. When done, press the Menu button ⊜ to close the menu screen.

USB mode

When you connect the camera via USB to the computer, you will see a popup menu in the camera LCD display. There are three modes to choose from:
1: USB-Disk - In this mode, video files or photo files on the SD-Card can be accessed from the PC (Camera is used as mass storage device)
2: PC-Camera (optional) – Selecting this mode to enable web cam function
3: PictBridge – used only for PictBridge compatible printers etc.

Battery charging instructions

There are three ways to charge the battery, (see below) during this process in all cases the red charging indicator light will be lit. The total charging time is about 180 minutes. The red charging indicator light will automatically switch off after the charging is finished.

1: Use a 5V USB power adapter – (not included)
2: Use the PC-USB charging cable - included
3: Use the vehicle power charger - included

Note: If the camera stops operating (e.g. because of a software crash), please use a pointed implement to press and hold the reset button to restart the camera.

3: Menu options

Video settings	Photo settings	Camera setup
Resolution – setup video resolution (max 1920x1080)	**Timer** – Customizing the self timer option	**Set date/time** – setup date, time and notation.
Loop recording – The camera will automatically overwrite the oldest video fragments when this function is enabled. Select the preferred video fragment length here.	**Resolution** – setup photo resolution (max 1920x1080)	**Auto power off** – setup automatic power off feature and timer.
EV – denotes all combinations of a camera's shutter speed and relative aperture that yield the same exposure for a given scene luminance. EV refers to the difference between the indicated and set exposures. For example, an exposure compensation of +1 EV means to increase exposure.	**Sequence** - Possibility to take sequence of 5 photos.	**Language** - setup menu language
Motion detection – If enabled, the camera will start recording automatically when movement is detected in front of the camera lens. The camera must be in standby mode for this function to work.	**Quality** – Setup picture quality to fine/normal/economy	**Light frequency** – Select frequency of power mains: 50Hz (EU) or 60Hz (US/Asia)
Audio – Toggle the microphone	**Sharpness** – Setup picture sharpness to sharp/normal/soft	**Screen saver** – Setup after how many minute the LCD screen goes black.
Date stamp – Toggle the visibility of the date/time on the videos	**White Balance** – Selection of standard options: Automatic, daylight, cloudy, etc	**Image rotation** – Rotate image 180 degrees, depending on mounting direction of the camera.
Buttons sound – Toggle the beep sound of the buttons.	**Color** – setup color scheme (normal, black/white, sepia)	**Format** – Format the SD-card. NOTE: this will delete ALL files, photos and videos that are stored on the card.
	ISO – automatic up to 400 ISO	**Default settings** – Puts the camera back to its default settings.
	EV – see also video settings	**Firmware version** - Check firmware version.
	Anti-shaking – Toggle image stabilisation feature.	
	Quick review – Setup the quick review that can be shown after taking a Photo.	
	Date stamp – Toggle the visibility of the date/time on the photos	

4：Product specifications

Product Name	DCAM-005
Features	High-definition camera, high-definition video.
Color	Black + silver
G-sensor	Built-in (car accident case of emergency save, will
LCD screen size	2.7 LTPS
Camera	140 A + grade high-resolution ultra-wide-angle
Language	Russia, Japan, France, Italy, Germany, Western, English, Chinese (simplified), Chinese (Traditional), Korean, Etc.
File Format	AVI
Video resolution	Maximum 1080P
Video video formats	M-JPEG, Audio: AAC
Color effects	Standard
Continuous loop video	Seamless looping video supported
Truck switch machine	Support auto ignition boot, turn off shutdown
Motion Detection Function	Support
Date of hours	Support
Carrier media	Built-in Memory (total: 64MB)
The camera mode	5 MP
Photo format	JPEG
Memory card	microSD/TF (up to 32GB)
Microphone	Support
Built-in stereo	Support
Infrared night vision	Support
Video output	HDMI
Video Format	PAL / NTSC
Current frequency	50HZ/60HZ
USB function	1 ： USB-Disk 2: the PC-Camera
Power input	5V, 800ma
Battery	600 mAh