



DASH CAM MINI, FULL HD

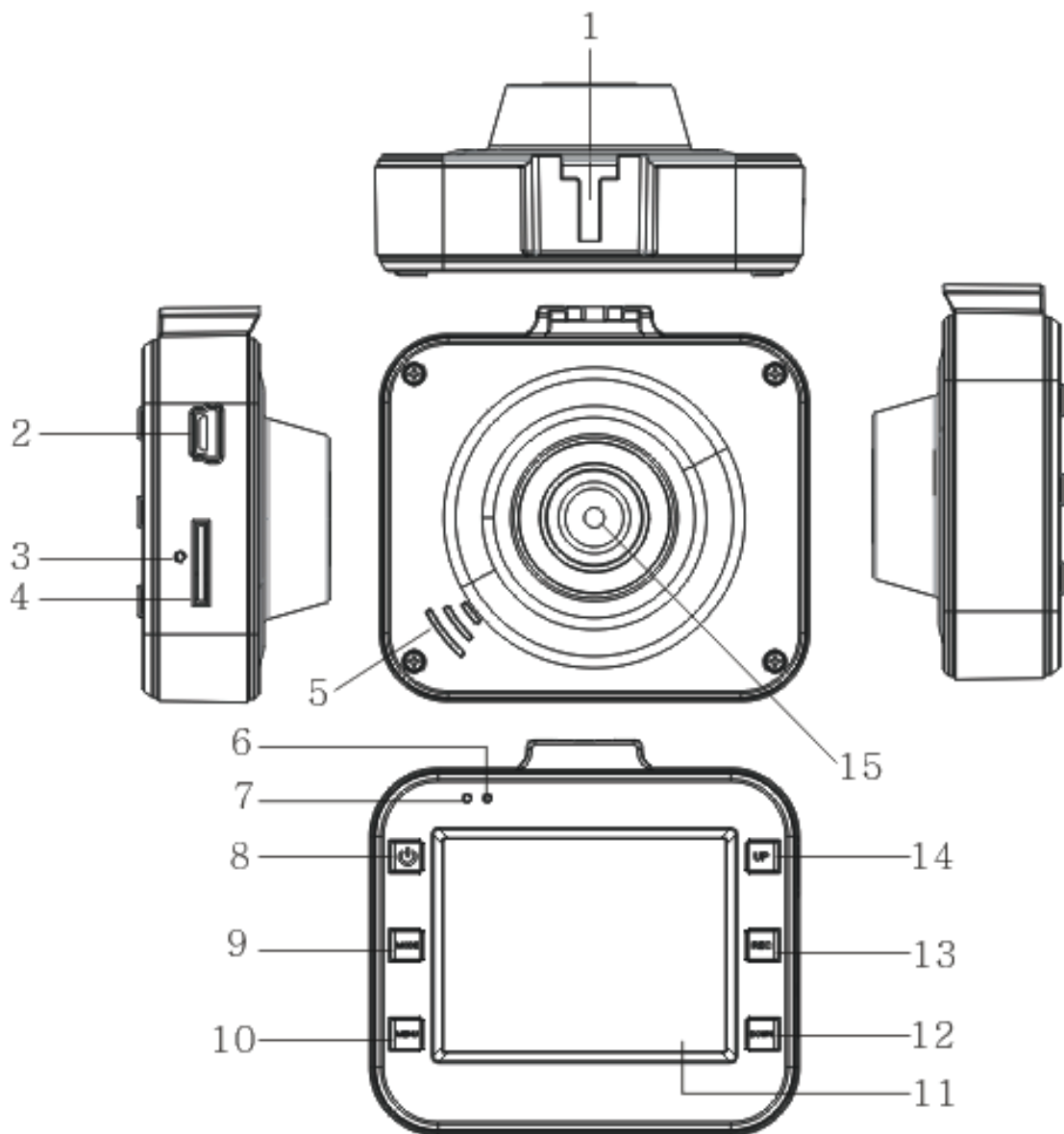
**MANUAL
87232**

In order to make better use of all the function of the car DVR, please read the manual carefully before using.

Caution

1. Please insert the memory card to the Car DVR and format it. Please insert the card according to the correct direction to avoid damaging the TF card or Car DVR.
2. It is suggested to regularly backup the recorded files from the card every week.
3. Please charge the Car DVR for the first time use.
4. Please note that this Car DVR is not waterproof.
5. Please do not use it in dusty environment to avoid damaging the Lens
6. Please do not use it in the high-intensity of magnetic field environment.

1.0 STRUCTURE



1: Stand slot	2: USB interface	3: RESET key	4: TF card slot	5: Speaker
6: Status LED	7: Power LED	8: POWER key	9: MODE key	10: Menu key
11: LCD	12: DOWN key	13: REC key	14: UP key	15: Lens

2.0 FEATURES

1. Supporting 1080P, 720P & 480P
2. Built-in microphone & speaker
3. Support max capacity of 32GB MicroSD card
4. Cycling recording
5. Motion detecting function
6. SOS & G-SENSOR for data protection.

3.0 OPERATION GUIDE

3.1. Power on/off

The Car DVR can be turned on by either pressing the POWER key or simply connected it with the car charger to automatically power it on. After power on, the Car DVR will enter the video mode automatically and start recording if the MicroSD card is already inserted. The Status LED would start to flash in green color indicating recording. After switching off the car's engine (or unplug the car charger from the car DVR), the Car DVR will record for another 5 seconds and then turn off automatically.

Remark:

If there is no SD card inserted, the LCD screen would display "No card" after turn on.

3.2. Shutdown

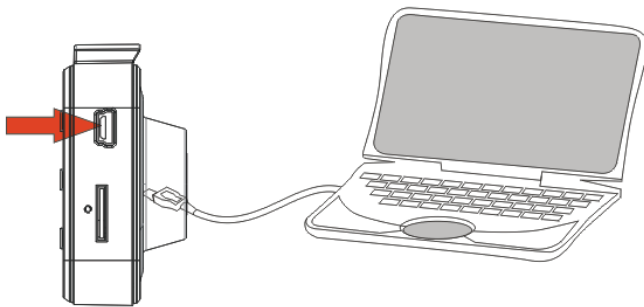
To turn off the camera, please do a long press on the POWER key.

Remark: when battery power is insufficient, the screen will show "low battery", and then the Car DVR will turn off and save the video files automatically.

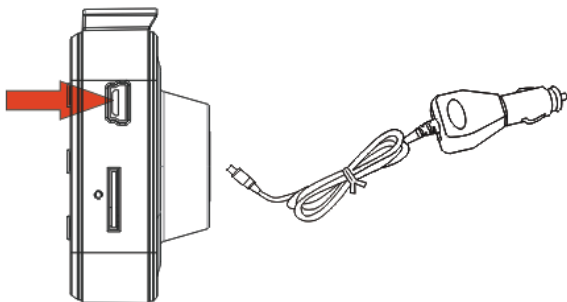
3.3 Battery charging

There are two charging methods:

1) Charging by USB cable.



2) Charging by car charger

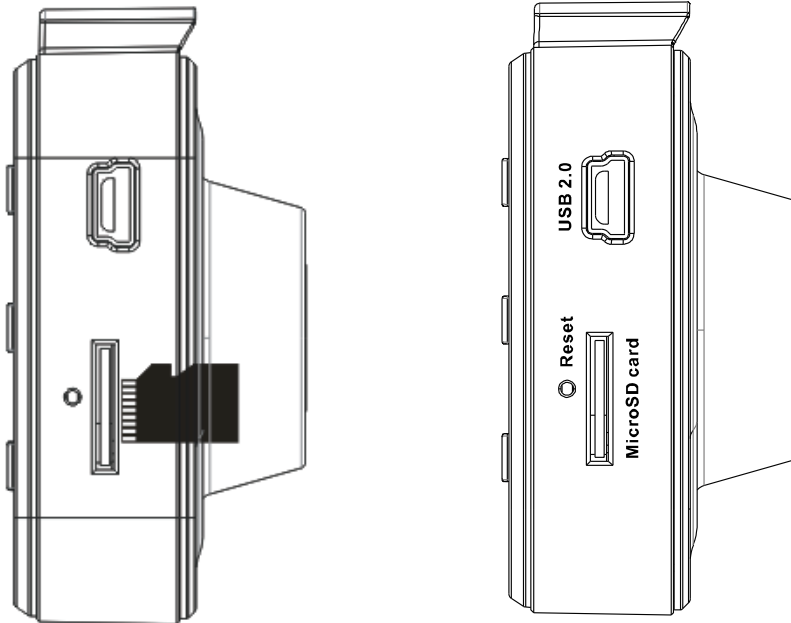


Remark: The red POWER LED will be on during charging, and the red LED light will be off when it is fully charged.

3.4 Install and Remove a memory card

Insert the MicroSD card into the MicroSD card slot.

To remove the card, simply push the memory card inside first then it will be ejected out. Please note that the SD card itself is directional. So please insert it in the correct way.



3.5 Video

Press the POWER key to start and enter into the video mode directly. While the green Status LED flashes, you can press the REC key to stop the recording and save the video file. Then this Car DVR is now under “Standby mode”.

Under Standby mode, you can press the “REC” key to start recording again.

Under Standby mode, you can press the “POWER” key once to enable or disable the audio recording to have only video recorded.

Under Standby mode, you can also press the "UP" key to disable the LCD screen display to save power. You can press “UP” key again to turn on the LCD display.

3.6 Photo

Under Standby mode, press the “MODE” button once to enter the Snapshot mode. Then press the REC button to take pictures. You can hear the clicking sound indicating photo taken.

3.7 · Playback and Delete files.

Under Standby, short press the “MODE” button twice, it will enter into “PLAYBACK” Mode. Press UP or DOWN to select the files you want to preview. Then press REC button to play or stop. If you want to delete the files, please press MENU to select DELETE and press REC key to enter into the option of “delete all” or “delete current one”. Press REC button to confirm and return. Press MENU key to go back to PLAYBACK MODE.

3.8 SOS function

Short press the “MENU” button while recording, the video file will be forced to save.

Please note if the MENU button is pressed during the first 10 seconds of the video segment, then this current and the previous segment of videos will be forced to save permanently. If the MENU button is pressed at the last 10 seconds of video segment, then the current and next segment of video file will be forced to save. If the MENU button is pressed between the first 10 seconds and the last 10 seconds of the video segment, the current the video will be forced to record.

3.9 G-SENSOR function

When take brakes suddenly or the car is impacted by external force, the G-sensor in the Car DVR will detect the unexpected change of acceleration, which will automatically force the Car DVR to save these important video files. The sensitivity of G-sensor can be set in the main system: high, medium and low. The forced video saving mechanism is the same as the SOS function.

3.10 Motion detecting

Press the “DOWN” button directly to enter into motion detection under video standby mode. When the Car DVR detects moving objects, it will start to record. If there is no moving object for 5 seconds, it will stop recording and then standby for motion detection mode. Press the DOWN key to save the files, then exit motion detection.

4.0 OPTIONS AND SYSTEM SETTINGS

Press MENU to go to the setup menu under standby mode. Press the UP/DOWN button to select item, confirm it by pressing REC button.

The specific menu options are described as below:

	MODE	Menu	To select the setting	Default Setting
Image setting	video	Resolution	1080FHD 1920x1080 1080P 1440x1080 720P 1280x720 WVGA 848x480 VGA 640x480	1440*1080
		Loop recording	off/30seconds/1minute/2minutes	1minute
		Exposure	-+2.0、+5/3、+4/3、+1.0、+2/3、+1/3、+0.0、-1/3、-2/3、-1.0、-4/3、-5/3、-2.0	+0.0
		Record Audio	Off/on	On
		Date stamp	Off/on	On
		G_SENSOR	Off/high/medium/low	Medium
		photo	Capture Mode	Single/2s timer/5s timer/10s timer
	Resolution		12M/10M/8M/5M/3M/2MHD/VGA/1.3M	8M
	Sequence		Off/on	Off
	Quality		Fine/Normal/Economy	Normal
	Sharpness		Strong/Normal/soft	Normal
	White balance		Auto/daylight/cloudy/Tungsten/Fluorescent	Auto
	color		Color/BLACK & white/Sepia	Color
	ISO		AUTO/100/200/400	Auto
	Exposure		+2.0, +5/3, +4/3, +1.0, +2/3, +1/3, +0.0, -1/3, -2/3, -1.0, -4/3, -5/3, -2.0	+0.0
	Anti-shaking		Off/on	Off
	Quick Preview		OFF/2Seconds/5Seconds	Off
	Date Stamp	Off, date, date/time	Date/time	
	Playback	DELETE	Delete current/ delete all	
		Protect	LockCurrent/Unlock Current/Lock All/Unlock All	
		Slide show	2seconds/5seconds/8 seconds	

setup	Date/time	MM/DD/YY,DD/MM/YY,YY/MM/DD	DD/MM/YY
	Auto Power off	Off/1 minute/3 minutes	Off
	Beep sound	Off/on	On
	Language	English/Français/Español/Português/Deutsch/Italiano/	English
	Frequency	50Hz/60Hz	50Hz
	Format	To format TF card	
	Default setting	Return menu setting to defaults/cancel/OK	
	LCD OFF	Off/1minute/2minutes/5minutes	The default:1min
	Version	The current version number	

5.0 CONNECTED TO THE COMPUTER

5.1 Video and photo download

When connecting the Car DVR to your computer via USB cable, the red Status LED lights up. Then you will see the selection “Mass storage” and “PC camera” show up on the screen.

If you select “Mass storage”, then you can browse and manage the files on the computer to download or format it.

If “PC camera” is selected, it can be used as video tool such as web camera for communication application.

6.0 PRODUCT SPECIFICATIONS

Screen size	2.0inch TFT
Pixel	1.0MP
Lens	120degree wide angle lens
Min LUX	1LUX
Video resolution	1080FHD/1080P/720P/480P/VGA
Video format	AVI@MJPG
Frames	30fps
Image resolution	12M/10M/8M/5M/3M/2M/VGA/1.3M 5M/3M/1.3M
Image format	JPG
Motion detection	Support
Cycle recording	Off/30s/1min/2mins
Memory card	MicroSD (TF) card
Storage capacity	Max 32GB
USB port	USB2.0
Power port	USB5V 500mA
Optical frequency	50HZ/60HZ
Battery capacity	350mAHr
Microphone/speaker	Bulit-in
Language	English/Français/Español/Português/Deutsch/Italiano
Weight	50g
Dimension	62.8 x 58 x 27.5mm