Product Overview:
This product is a leading vehicle dash cam, with Super HD 1296P high resolution video, G-Sensor, SOS emergency saving, audio saving, and HDMI output etc. function.
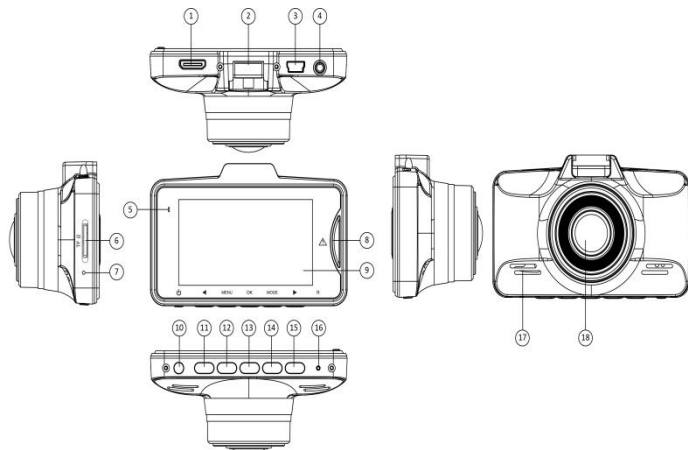
Warm prompt:

●This user manual will detail how to use, operation, technical specifications and precautions. Before use, please read this manual thoroughly and fully understand, Please keep this manual, we hope our products can meet your needs and long-term service to you!
●Do not put the machine into the damp working condition, this machine have no waterproof function, so please make the machine no pour water or exposed to rain water.
●Do not try open the shell or try repair by yourself, if the accessories for this machine have any problem, please do to the professional maintenance station to repair.
●Do not use the thrill chemical substance, clean solvent or cleaner to clean this machine, please use the moist soft cloth to clean.
●Do not use this machine under the condition that the dust and density is too large, to avoid affecting the video.
●Please protect the environment, don't discard this machine randomly; do not throw this machine into fire, otherwise will have an explosion.
●Please pay attention to clean the lens surface, use the moist soft cloth clean the lens then use, to avoid the video is not so good.

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A. Unit Structure chart

1）HDMI	2）Holder Connector	3) USB Interface
4）TV-OUT or GPS	5）Power Indication Light	6）TF Slot
7）MIC	8）SOS Emergency Button	9）LCD
10）Power Button	11) UP Button	12）MENU Button
13）OK Button	14）MODE Button	15）DOWN Button
16）Reset	17）Speaker	18）HD Cameras

B：Button and Interface Instruction：

Button Name	Button Function	Instruction for Use
Power	Power on/off	1. Power on：Short press to turn on and the red indication lamp on. 2. Power off：Long press to turn off and the red indication lamp off.
Reset	Reset	1.short press to turn on again when the machine standby
OK Confirmation	Video start/stop/photograph function Menu confirmation	1：In the video mode： short press to start record, short press again to stop recording 2：In the photograph mode： short press to confirm make photo 3：In the menu mode：set and confirm
Menu	Photograph/record/ playback, all functions setting	1. In the video mode: short press once to switch video setting; short press twice to switch system setting. 2. In the photograph mode: short press once to switch photograph setting; short press twice to switch system setting; 3.In the video/photo playback mode: short press once to switch playback setting; short press twice to switch system setting;
Up	Choose up Turn on/off the audio recording	1. In the menu mode ：Up 2. In the video mode ：short press to turn on/off the audio recording
Down	Choose down	1. In the menu mode ：Down

Mode	Switch among photograph/ record/playback	1.In the video mode: Switch among photograph/ record/playback. 2.Screen shot： in the video mode, short press mode button could screen shot the current figure.
SOS Emergency Button	Press to lock the file	Press to lock the file when under the video status.
TF card Slot	TF card Slot	Insert the TF card into this Slot
HDMI Interface	High definition output	Connect the HD television by HDMI cable, in the video mode, view the video/photos; in the photograph mode, make photos, view video and photos.
AV Slot	AV Output or GPS Output	1.The AV slot can't be acted as AV output if the machine be set with GPS, only acted as GPS output. 2. The AV slot can't be acted as GPS output if the machine be set without GPS, only acted as AV output.
Holder Interface	Install holder	Install the holder on the machine
USB Output	storage/charging	1: Connect USB cable for auto recording, and view the video/photo. 2：Connect USB cable for auto charging

C．Charge and Power on/off instruction：

1. Charge Method:

1.1: Charge by connecting the cigarette lighter

1.2: Charge by connecting the computer via USB data cable

The blue indication light will on when charging, and need about 60 minutes to be full, after it's full the indication light will off.

2. Operating guide

Auto power on/off:

After the vehicle connect with the vehicle power, this machine support auto video record when the vehicle startup, auto power off and save the video when the vehicle shut down.

2.1: the vehicle startup- cigarette lighter connect power- auto power on and video record.

2.2: the vehicle shut down - cigarette lighter disconnect power- auto power off and save the video.

3. Before installation, operate instructions by hand:

3.1. Power on/off by hand

Short press Power button, the red indication lamp will be on. Enter the video mode, Long press Power button again, the red indication lamp will be off.

Attention: the device will be turn off automatically after a warning of low battery when the power is very low.

3.2 Charge by connecting the computer via USB data cable

vehicle DVR mainly use while charging, the full built-in battery could maintain about 3-5minutes for standby, if use for long time, must connect the power cable for charging; and use by connecting the mobile power at home.

D：Photograph/Video/Playback basic operation instruction:

Video Mode:

Short press mode button to switch to video mode, there is a video recording icon shown on the top left corner of the LCD; short press OK button to start recording, the red video indication light start to flash, that is the DVR is under recording, short press OK button again to stop recording.

Video process: Power on——enter video mode——short press REC button to record—— short press REC button again to stop recording.
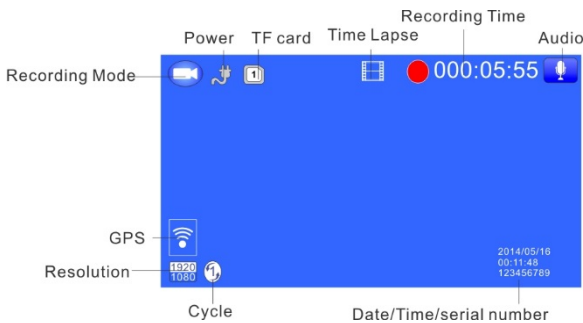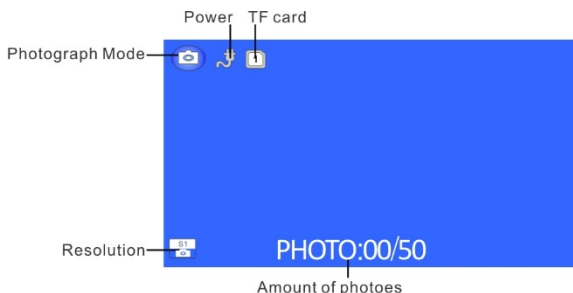

Photo Mode:

Short press MODE button to switch to photo mode, there is a photo shooting icon shown on the top left corner of the LCD, short press OK button to shooting, when photography is finished, the LCD will be flash one time.

Attention： 1. Under the video status, press MODE button to screen shot the current video; first stop recording, then press MODE button one time to switch the photograph mode; 2. This machine is limited only for 50 photos, and can't take photos when over 50.

Photograph process: Power on——enter video mode——press MODE button to switch

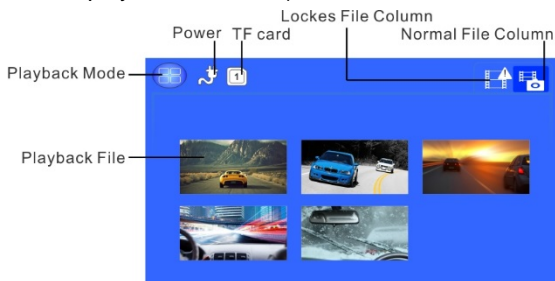the photograph mode——press OK button to make photos.

Video/Photo Playback
Short press MODE button twice to switch playback mode, the playback icon will be shown on the LCD top left corner:
1.   Short press up/down button to selecting the file section(locked section/ regular file section);
2.   Short press OK button to enter the playback section, then short press up/down button to selecting the file, press OK button again to enter single file playback(press OK button again to start playback the video)
Attention： Under the video status, press MODE button to screenshot the current video; first stop recording, then press MODE button twice to switch the playback mode
Playback process: Power on——enter playback mode——press MODE button twice to switch the playback mode——press up/down button to enter the section and press OK button to choose——press OK button to enter single file playback(press OK button again to start playback the video)

E：Menu Setting Instruction
Video setting
After power on   enter the video mode, the video icon will be shown on the LCD top left corner: short press MENU button one time to switch the video setting, the video icon will be shown on the LCD top right corner: there are 4 setting options at the first page(Video resolution, Image quality, Time Lapse Setting, Meter mode setting); there are 4 setting options at the second page（Anti-flicker, Stamp setting, Loop Record Setting, ADAS Detect）：there are 4 setting options at the third page（ADAS Calibration ,G-sensor, Motion detection, MIC）；there is 1 setting option at the forth page（Park Mode）；short

press up/down   to switch the setting options, short press OK button to enter the setting, short press up/down button to modify the setting, and short press OK button to confirm the modification.

Attention：

Under the video status no any use to press MENU button, first stop recording, then press MENU button again to switch the video mode

Video resolution

Chipset A7LA50： Six modes：2560×1080 30P 21:9/2304×1296 30P 16:9/1920×1080 30P 16:9/HDR 1920×1080 30P 16:9/1280×720 60P 16:9/1280×720 30P 16:9

Image quality： Three effects：superior/good/general, the default is good, recommend the default is superior;

Time Lapse Setting: off/0.2 seconds/1 seconds/5 seconds/30 seconds, the default is off Time Lapse Setting means function of 1 second 1 shoot, also could   extend shooting time, support Park mode 0.2second means 1 second 5 photos, 1second means 1 second 1 photo, and s on

Intelligent Mode： If detect objects are moving ahead, entering video recording; when detecting the recorded image keep static for 3minutes, then unit will stop recording, and turns to time lapse recording (the default setting is 1 second 2 shoots).

Meter mode setting： Three modes：center/average/point, the default is center;

Anti-flicker： Three modes：Auto/60Hz/50 Hz (please set according to local frequency)

Stamp Setting： Three modes：date/time/vehicle driver no.   The default is off

Loop Record Setting： Three modes：1minute/3 minutes /5 minutes the default is 5 minutes

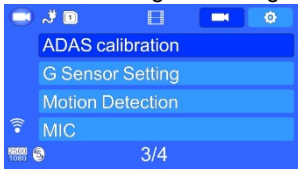**ADAS Detect：** on/off the default is off. (Only suitable for chipset A7LA50/A7LA70)

ADAS include below 4 parts/functions:

LDWS - Lane Departure Warning system: when vehicle exceed white lines during changing lanes, it will remind.

FCWS - Front Collision Warning system: when predict the dangerous driving it will remind the driver 3 seconds before dangerous happens.

FCMD - Front vehicle Moving Detection: when the traffic red light turns green, and the front vehicle moving, it will remind.

LLWS - Low light Warning System: it will remind the driver when low light environment.
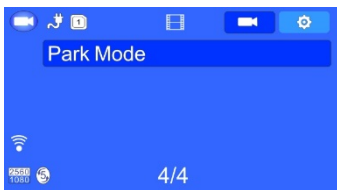

ADAS Calibration：show purple/red two lines, purple line represent　the farthest　line, and red line　represent　the nearest line to vehicle headstock,　DVR　could distinguish whether there's vehicle in front (FCWS) or whether the vehicle change lane (LDWS)according to these two lines,。　So when open the ADAS setting, please set these two lines firstly accordingly,　press up/down button directly to adjust the purple line, press MODE button then press up/down button to adjust the red lines.

G-sensor setting：Four modes：off/high/middle/low　　the default is middle，recommend the default is middle。
Motion detection：on/off the default is off, recommend the default is off.
MIC：on/off the default is on, recommend the default is on.

Park Mode: on/off, the default is off (park mode requires permanent power)
System setting:
After power on　enter the video mode, the video icon will be shown on the LCD top left corner: short press MENU button twice to switch the system setting, the video icon will be shown on the LCD top right corner: there are 4 setting options at the first page(Language setting, Car Volume, System Mode, Drive ID Setting); there are 4 setting options at the second page (Time setting, Format, Default setting, Auto Power off setting)：there are 4 setting options at the third page (Backlight setting, Delay power off, GPS setting, Warning tone setting)；there are 2 setting options at the forth page (Version information)；short press down button to switch the setting options, short press OK button to enter the setting, short press up/down button to modify the setting, and short press OK button to confirm the modification.
Attention： Under the video status no any use to press MENU button, first stop recording, then press MENU button twice to switch the system setting

Language setting：English//Simplified Chinese/Traditional Chinese/Russian/Polish…etc
Card volume：Three modes：total capacity /usage /surplus
System mode：NTSC/PAL the default is PAL
Driver ID setting: set1-9 9 positions

Time setup：set year/month/date/time
Format：choose √ or × , choose √ means format, choose × means no;
Default setting: choose √ or × , choose √ means reset, choose × means no;
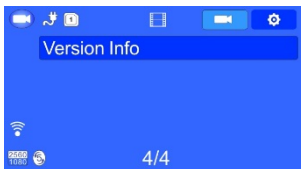**Auto Power off setting**：Four modes：off/1 minute /3 minutes/5 minutes the default is off;

Backlight Off setting：Four modes：off/1 minute /3 minutes/5 minutes the default is 3 minutes;
Without any buttons press operation for unit during the set time, the screen will off, but the unit is still working.
Delay Power Off：Four modes：off/15 seconds /30 seconds /1minute the default is 15 seconds;
GPS set： on/off（only for the unit with GPS function）
Beep sound setting：on/off the default is on;

Version info：view the version information;
Photograph setting
After power on, short press MODE button to switch the photograph mode, the photo icon will be shown on the LCD top right corner: there are 3 setting options (Photo resolution, Image quality, Image label setting); short press up/down button to switch the setting options, short press OK button to enter the setting, short press up/down button to modify

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the setting, and short press OK button to confirm the modification.

Photo resolution：Three modes: 4M (2688×1512 16:9)/9M (4000×2250 16:9)/13M (4800×2700 16:9) /16M（5312×2988 16:9） the default is 4M
Image quality：Three modes: superior/good/general the default is superior
Stamp setting：Three modes：date/time/vehicle driver no. The default is off

Playback setting

After power on, short press MODE button twice to switch the playback setting, the photo icon will be shown on the LCD top right corner, press MENU button one time to enter setting, there are 2 setting options (Play mode setting, Delete the file); short press up/down button to switch the setting options, short press OK button to enter the setting, short press up/down button to modify the setting, and short press OK button to confirm the modification.
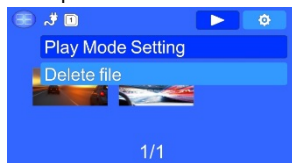

Play mode setting：Four modes：play single/ play all/ single loop/all loop the default is play single
Delete file：Two modes：delete the current file/delete all files the default is delete the current file

F. Product Specification:

Product Feature	HD Camera, Super HD Recording
LCD Size	2.7LTPS 16:9
Lens	178 Degree A+ HD ultra wide angle
Language	Russian/English/Simplified Chinese/Traditional Chinese/Polish…etc.
Video Format	MOV.
Video Resolution	Six modes：2560×1080 30P 21:9/2304×1296 30P 16:9/1920×1080 30P 16:9/HDR 1920×1080 30P 16:9/1280×720 60P 16:9/1280×720 30P 16:9
Video Codec	H．264, Audio: AAC
Loop Recording	Support with seamless recording
Auto turn on/off while vehicle power on/off	Support turn on while vehicle starts. And turn off while vehicle shutdowns.
Year/Month/Day/Hour/Minute	Support
Photo Resolution	16M/13M/9M/4M
Photo Format	JPEG
Memory card	TF (Max support 64GB)
MIC	Support
Speaker	Built in
TV Output	PAL/NTSC

GPS	Optional(With GPS no AV, or With AV no GPS)
G-sensor	Built in
ADAS Function	LDWS,FCWS,FCMD,LLW（only apply to A7LA50&A7LA70 chipset）
Frequency	50HZ/60HZ
USB Function	1：Storage 2：Charging
Power Interface	5V 1.5A/1+5-
Battery	Built-in Li-ion Battery
Parking Mode	Support
1 second 1 shoot	Support

G．GPS player software Installation and Using Instruction (Only suitable for the units with GPS function)

If need check the GPS information, the professional player must be installed firstly

1. Please install the file provided in the unit:

2. Please copy the file [BlackView_Plyaer... BlackView CAM Pl...] to computer and install.

Using the player software:

1. Please open [BlackView_Plyaer... BlackView CAM Pl...] and install it for the first use.

2. Click File –Open to choose the file which need play, and open the play mode directly, as below

H．Frequently Asked Questions

Under normal operating conditions, if there is problems with the device, please refer to the following methods to solve.

Cannot take picture and record

Please check whether there is enough space for of TF card, or if it is locked.

Stopping automatically while recording

Due to the huge amount of HD video data, please use high-speed C10 TF card with SDHC compatible, there will be the mark of C10 on the TF card.

There is "wrong file" shown on LCD when replay the photo/video

Uncompleted files because of TF card storage error, please format your TF card.

Fuzzy image

Please check if the lens stay with dirt, fingerprints, please cleaned lens with paper before shooting.

Dark image when shooting the scene of sky or water

There will have an impact on the exposure when the big difference between the scenes. Please adjust the "EV" in the menu setting.

The color is not good in the cloudy or indoor

Please check the "white balance" is Auto or not in the menu.

Horizontal stripes interference in the image,

This is due to the wrong setting of light frequency error, please set the frequency 60HZ or 50HZ according to the local power supply.

Hang off

Please reset to recover when device hangs off.