

SK EYE LITE

Dash Camera

User Manual



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1 Product Introduction

The Dash Camera is a car mounted device that adopts an integrated structure. The device comes with one front facing camera and integrates 4G, WIFI, GPS, GSENSOR and other modules internally, which can meet the needs of most scenarios. At the same time, it adopts H.265 video compression/decompression technology, which can greatly improve the transmission efficiency of video images. Its functions include rapid detection and collision detection, vehicle driving information recording and remote video uploading, central remote video monitoring in conjunction with the dispatch monitoring platform, intelligent vehicle dispatch management, and playback analysis based on the central database. The equipment also has strong anti vibration ability, simple appearance, flexible and convenient installation, comprehensive functions, and high reliability, providing customers with more comprehensive, safe, and high-quality services.

2 Product Features

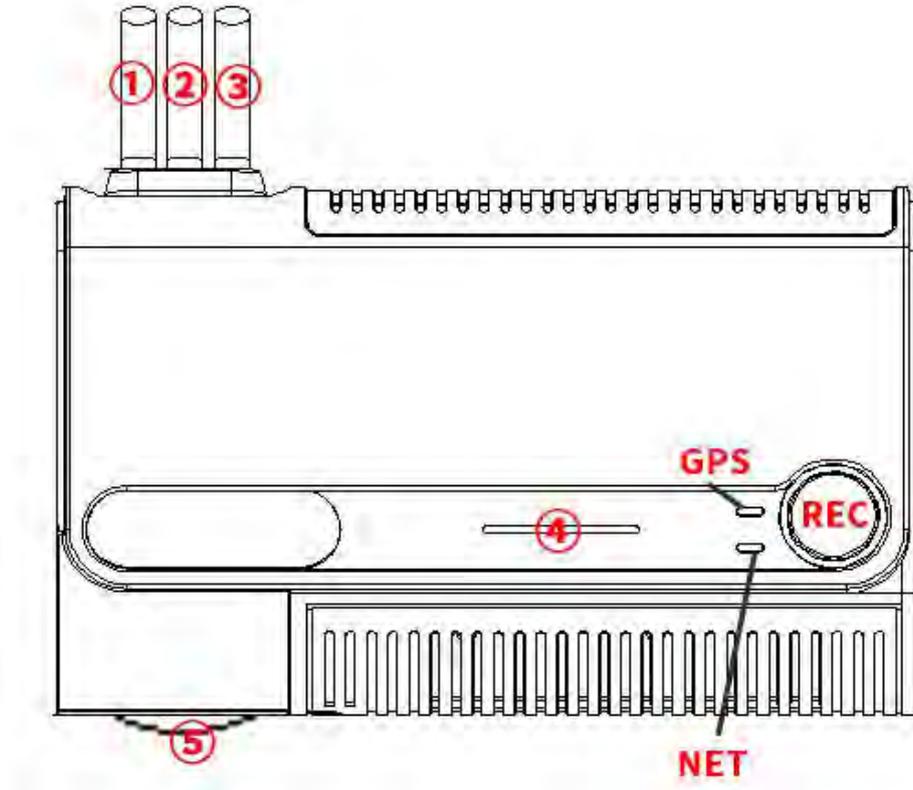
- H265 and H264 audio and video compression technologies;
- Support audio and video storage;
- Built in 4G, WIFI, GPS function modules;
- Support local or remote control;
- Supports two TF cards for storage;
- Support storage, extraction, and backup of data;
- Support UPS power supply endurance;
- Built in GSensor to trigger alarms for acceleration, rollover, and collision;
- Support installation of monitoring software on Apple and Android mobile terminals;

3 Equipment parameters

Project		parameter description
Audio and video input	Video input	Built in 1 channel 1080P (front facing camera, MIPI interface), optional external 3 channels AHD 1080P or 1 channel IPC 1080P (expandable with multiple IPC channels)
	Audio input	1 built-in MIC, 1 external analog audio input, supports half duplex voice intercom
	AI	Supports ADAS/DSM/BSD/facial recognition, optional
Audio and video output	Voice output	1 built-in speaker voice output
	Video output	Support one-way CVBS video output
Audio and video parameter encoding	video coding	H.265/ H.264 Main Profile
	Video resolution	1080P/720P/D1 optional
	Audio encoding	Default G.711A
storage space	SD card	Supports 2 TF cards
wireless network	4G wireless	Support all network modules
	WIFI	2.4G
Positioning method	Beidou/GPS	Support mixed positioning, speed detection, and time synchronization
interface	Serial port	Supports 1 RS232 and can be connected to external sensors
	I/O	Supports 1 level input, 1 output, optional: expand 1 analog input High level alarm input value: 3.3~36V Low level alarm input value: 0-3.3V
Physical specifications	size	110mm (L) *70.5mm (W) *35.6mm (H)
	weight	Bare machine: approximately 0.22kg
work environment	working temperature	Packing: Approximately 0.62kg (DGWE-C-4, 4-channel model as standard)
	Working humidity	-20~+70 °C

other	Gravity sensing	Built in GSensor
	Linkage alarm	Support triggering alarms for acceleration, rollover, and collision conditions
	power dissipation	The power consumption of this machine is about 4W (excluding external camera)

4 Equipment specifications



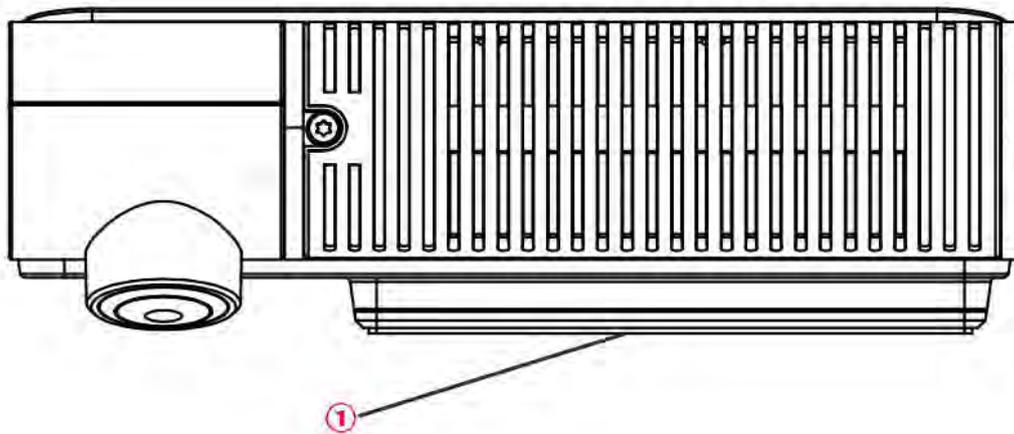
Description of panel indicator light status

LED 灯	bright	twinkle	Extinguish
REC	Recording in progress	The TF card is not recording video	TF card does not exist
GPS	Localization successful	Not located	Module does not exist
NET	Register on the platform	Unregistered on the platform	4G or WiFi module does not exist

 Note: The circular button light is the REC light, the GPS light is located in the upper left corner, and the NET light is located in the lower left corner.

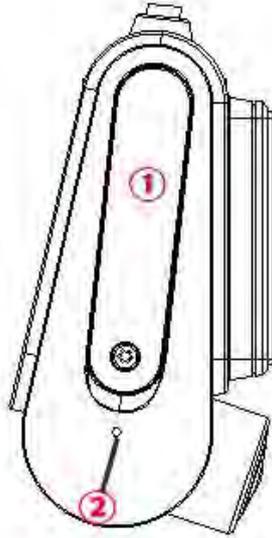
Panel functional area

NO.	content	explain
1	Expansion Line	Expand AHD camera input 1
2	One to three lines	2 AHD camera extension lines (2.3 channels)
3	power cord	One SM male connector (4PIN serial cable)
4	horn	Power cord, including alarm input and output
5	camera	Sound output



Bottom functional area

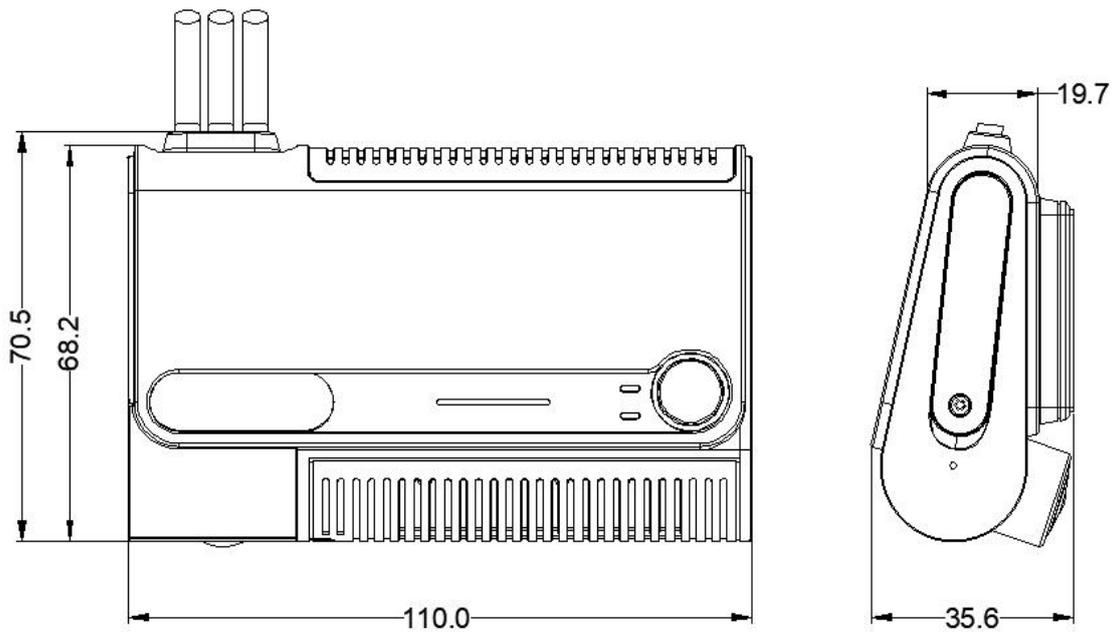
NO.	content	explain
1	3M Glass Stickers	Used for fixing on vehicle glass



Side functional area

NO.	content	explain
1	Card cover	Protect internal slots
2	MIC	Pick up the sound hole

Specification



I/O expansion cable



NO.	content	explain
1	CVBS	Video output
2	GND	Ground wire
3	SENSOR OUT	Alarm linkage output
4	ADC IN	Analog input
5	IO1	Alarm input/output
6	ACC	ACC signal line
7	GND	Ground wire
8	POWER 8-36V	Power input

5 Packing List

NO.	content	measure	image
1	Host	1	
2	Power expansion cable (length 2m,diameter 5.1mm)	1	
3	Adapter/extension cable (length 3m, diameter 3.5mm)	3	
4	Accessory bag (keys, spare screws, warranty card, certificate of conformity)	1	

6 Usage diagram

6.1 Installation requirements

Install equipment in a dry environment and avoid places that are damp, dripping, or spraying water. Tear off the 3M glass sticker and place the adhesive side on the front windshield of the vehicle. Find a suitable location to attach the device. Do not touch the device with wet hands and do not come into contact with other water sources.



The fixed cover can be slid in this direction to remove it from the device as shown in the figure below. After the fixed cover is stuck to the glass, the device can be embedded in the fixed cover for fixation. After the device is fixed, it can be removed by sliding it to the left.



Dismantling direction

6.2 Precautions

Ensure that passengers or drivers do not interfere with or damage equipment components, cameras, cables, and other accessories, and do not install equipment near other restricted vehicle components.

When installing equipment components, cameras, accessories, and cables, starting the vehicle may cause damage to the equipment. It is important to ensure that the vehicle is stationary during the installation process to prevent the equipment from falling.

7 User Guide

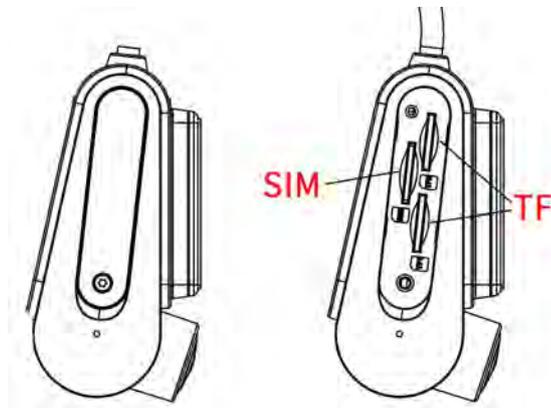
7.1 Unpacking status



The included components include: device host, power expansion cable, adapter/extension cable, accessory bag

7.2 Card insertion

Gently tap open the card cover with your hand. Insert the TF card into slots 1 and 2 (which can also be used for single card operation), and insert the SIM card into the slot labeled SIM.



After installation, cover the card cover and tighten the screws.

7.3 Equipment powered on

Align the BMW head of the power extension cord with the BMW male head of the power supply of the main unit (pay attention to aligning the anti misoperation port before inserting it). After successful connection, the vehicle can be started to power on the device.



7.4 parameter configuration

After the device is powered on (the first minute after power on), it defaults to WiFi AP mode and can be connected to the default hotspot: MDVR1234567 (different numbers depending on the device number) using a mobile phone/PAD. The hotspot password is 99999999, and the IP address is 192.168.42.100. Enter the device parameter configuration page with the default login password: "Adm_123" , After entering, you can configure device parameters (center parameters, WIFI, registration platform).



7.5 Status check

The configuration parameters have been completed, and the device can use functions such as registering and logging into the platform, GPS positioning, and real-time recording normally. The device status indicator LED is described in Chapter 4 "Panel Indicator Status Description".