

4G CAT1 Black Light AOV Dash Cam

Product User Manual



Model Number: EH80

Version: V1.0

Please read the product manual carefully before use and keep it properly.

Product Overview

Product Name: BoshiJie 4G Dash Cam

Product Model: EH80

Function Description

- TF Card Video Storage
- 4G Cat.1 Full Netcom (Multi-Carrier Compatibility) for HD Live Streaming, Playback & Remote Intercom
- Real-Time Positioning, Track Query, Blind Spot Data Supplementary Upload & Inflection Point Data Supplementary Upload
- Intelligent Night Color Light Video Recording
- H.264/H.265 HD Encoding
- Built-in MIC Audio Collection
- Remote Wake-Up

Product Specifications and Parameters:

Product Specifications	
Overall Dimensions	Length, Width, Height: 96mm*43mm*81mm
Communication Module	
Model	BC78
Network	4G Cat.1
Frequency Band	FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28/B66 TDD: B41/B38
Data Transmission	Maximum Downlink Throughput: 10Mbps Maximum Uplink Throughput: 5Mbps
Positioning Module	
Model	B1010-W2
Positioning Method	BDS, GPS, Galileo, GLONASS
Position Accuracy	<2.0 mCEP
Speed Accuracy	<0.1m/s
Hot Start	< 1s
Cold Start	< 26s
Power Supply	
Main Unit Power Input	9-90V (Type-C)
Battery Power Supply	3.2V
Power Consumption	Normal Mode Average Power Consumption: 85mA

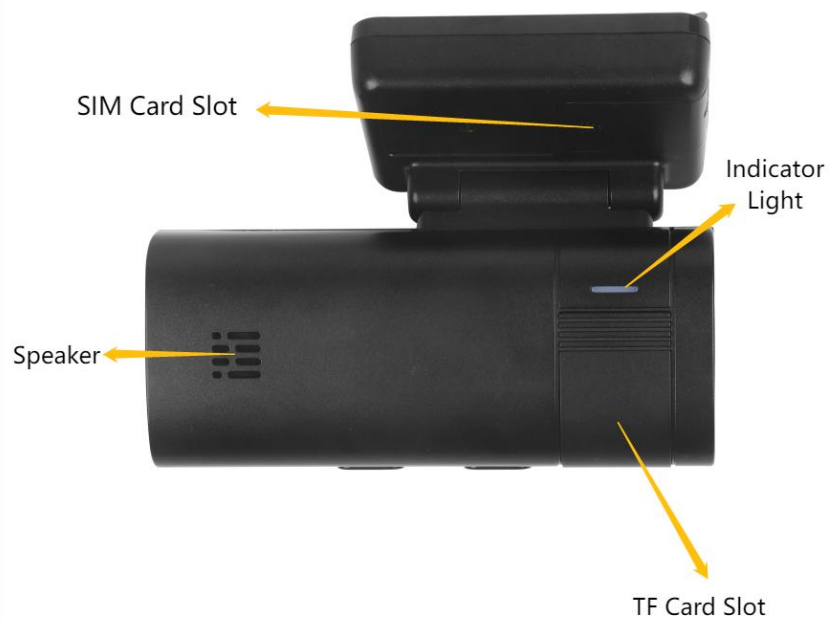
	Always-on Vision (AOV) Average Power Consumption: 7mA Live Streaming Average Power Consumption: 130mA
Operating Environment	
Operating Temperature	-20°C-35°C
Storage Temperature	-40°C-85°C
Other Specification Parameters	
Indicator Light*1	Red: Device recording abnormal Green: Device recording normal Light off: AOV mode / Device not started
Button*2	Note: Button functions can be customized according to requirements
TF Card	64GB ~ 512GB; High-speed cards of CLASS 10 or above are required (256GB is recommended)
SIM Card	Micro-SIM
Speaker	4Ω@1.5W
Microphone	Sensitivity: -38±2dB; Directionality: Omnidirectional
Backup Battery	400mAh, 3.2VLithium Iron Phosphate (LiFePO₄) Dual-Cell Battery

Camera Parameter	
Pixel	2 Megapixels (2MP)
Field of View (FOV)	1/2.8" 130.5°
Aperture	F1.07±5%
Resolution	1080P/720P
Other Parameters	
Video Encoding	H.264/H.265
Video Format	Customizable Storage Format
Image Format	JPEG
Bitstream	Main Bitstream 2048 (2M); Sub-bitstream 512

Product Functions

Product Functions	Video Recording	Video recording function supported
	Audio Recording	Audio recording function supported
	Playback	Playback function supported
	Snapshot	Remote snapshot supported
	Remote Live Streaming	Remote live streaming supported
	Remote Intercom	Remote intercom supported (Audio Coding: G.711, AAC)
	Real-Time Positioning	Vehicle real-time positioning supported; vehicle location can be viewed at any time via the platform
	Track Query	Vehicle historical track query supported
	Sleep Mode	Enters sleep mode 5 minutes after ACC is turned off
	AOV Recording	When ACC is turned off and the vehicle is stationary, the device starts AOV recording at 1 frame per second (configurable)
	Remote Wake-Up	After wake-up, the vehicle's real-time location and real-time video can be viewed
	Voltage Monitoring	Monitors the vehicle battery voltage

Product Introduction



Configuration List

Name	Quantity	Unit	Remarks
Main Unit	1	Unit	
Power Cable, Connection Cable	2	Piece	
User Manual, Warranty Card, Certificate of Compliance	1	Booklet	3-in-1 Combined Manual
Screw Kit	2	Pack	
Packaging Box	1	Set	

Installation Guide

TF Card Installation Diagram



SIM Card Installation Diagram



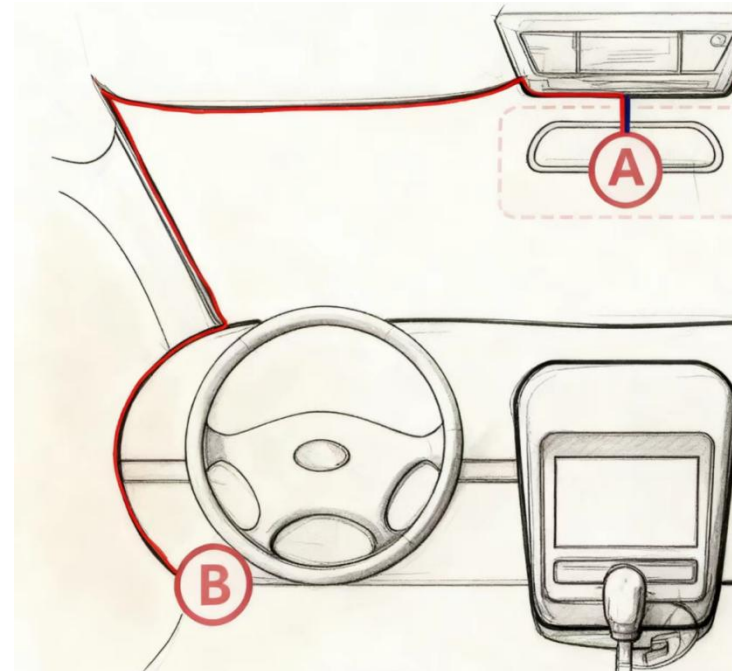
Note: Do not disassemble and reassemble the card cover screws repeatedly, nor install them with excessive torque, to avoid thread stripping or slipping.

Wire Harness Connection Diagram



Installation of the Recorder

It is recommended to install the car DVR (Digital Video Recorder) on the inner side of the front windshield, near both sides of the rearview mirror. For the wire routing method, please refer to the figure below: For connecting to the vehicle's constant power supply, please refer to the A-B route.



Note: Most vehicle fuse boxes are located on the left side of the dashboard or near the steering wheel; for specific details, please refer to the vehicle's user manual.

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.