

AE-DI2032-G40 V2 Dashcam



- 3 video inputs with max. resolution of 1080p.
- Supports audio collection via 2 channels of microphones and audio output via 1 channel of speaker.
- The GPS module supports GPS/GLONASS positioning and can display GPS latitude and longitude, time, and speed on the map.
- Built-in Wi-Fi module supports Wi-Fi AP function.
- Built-in 4G module supports 1 micro-SIM card.
- Supports dual TF card storage, each card up to 1 TB capacity for circular recording. No video will be missed.
- Live view, playback, and parameter settings are supported via the Mobile Client.
- Supports 2 Wired Alarm Inputs.
- Built-in six-axis gyroscope sensor automatically activates emergency recording and locks video backup when the vehicle experiences impact or severe vibration.
- Support intelligent functions such as advanced driver assistance system (ADAS), driver status monitoring (DSM), driver authentication, and person counting.
- Supports HCT, HCP, HAT_Cloud, and CMSV6 platforms.
- Easy installation and operation. Plug in to record video automatically.
- Low Power Consumption and High Performance.

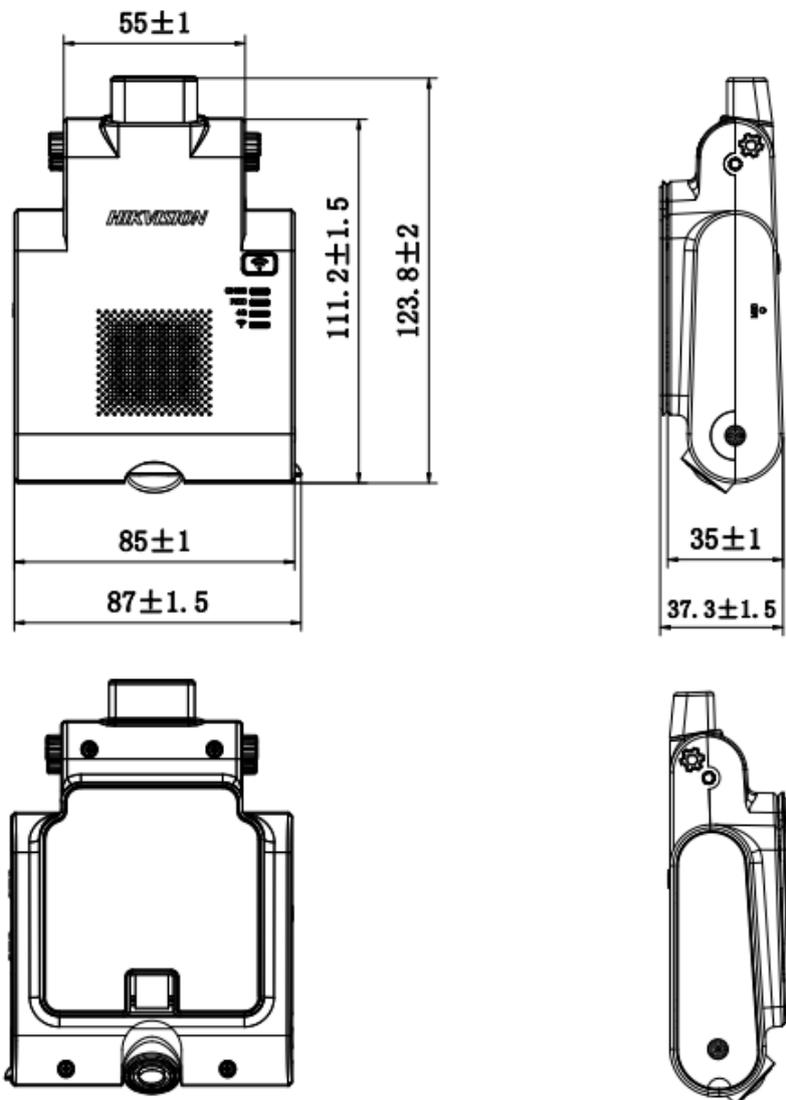
▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Minimum Illumination	0.01 Lux @ (AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Lens	
Focal Length	Fixed focal lens, 2.1 mm
Max. Aperture	F2.1
Lens Mount	M12
Field of View	Horizontal FOV: 127° Vertical FOV: 73° Diagonal FOV: 137°
Adjustable angle of the front-view camera	0°~75°
Video Audio Input	
Video Input	3 video inputs (1 built-in + 2 external)
Audio Input	2-ch audio input (1-ch MIC of the main server and 1-ch MIC of channel 3)
Video Audio Output	
Audio Output	1 channel with built-in speaker
Video Audio Decoding Parameters	
Main Stream Resolution	CH1: 1920 × 1080 (default), 1280 × 720 CH2 to CH3: 1920 × 1080, 1280 × 720 (default) The Resolution of Channel 2-3 Depends on the External Camera Resolution
Sub-Stream Resolution	CH1: 1280 × 720 (Default), 640 × 480 CH2 to CH3: 640 × 480 (default)
Main Stream Frame Rate	10 fps / 15 fps / 25 fps / 30 fps can be selected. The default frame rate of CH 1 is 25 fps and that of CH 2 and 3 is 15 fps.
Sub-Stream Frame Rate	CH1 configurable at 10fps, 15fps, 25fps, 30 fps, default 15 fps. CH2 to CH3 configurable at 10fps, 15fps, 25fps, default 15 fps.
Video Compression Standard	H.264 (Default) or H.265
Video Bit Rate	Main Stream Bit rate CH1: 8 Mbps, 4 Mbps, 2 Mbps, 1 Mbps, 512 Kbps configurable, default 4 Mbps. CH2: 4 Mbps, 2 Mbps, 1 Mbps, 512 Kbps configurable, default 1 Mbps. CH 3: 4 Mbps, 2 Mbps, 1 Mbps, 512 Kbps configurable, default 1 Mbps. Sub-stream bit rate: CH1 to 3: 1 Mbps, 512 Kbps, 256 Kbps configurable, default 512 Kbps.
Video Format	MP4
Audio Sampling Rate	G.711U: 8 kHz (default) G711A: 8 kHz AAC: 16 kHz
Audio Compression Standard	AAC/G711u (Default)/G711A
Audio Bit Rate	G711U: 64 kbps (Default) G711A: 64 kbps AAC: 64 kbps
Two-Way Audio Compression Standard	AAC/G711u (Default)/G711A
Stream Type	PS Stream
Audio	
Built-in microphone.	Support
Built-In Speaker	Support

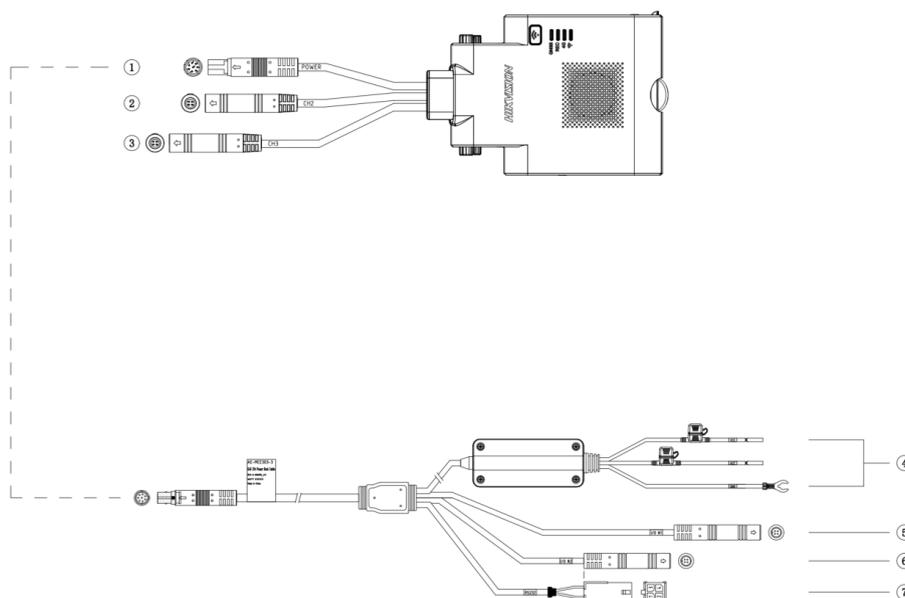
Wireless Network	
Mobile Network	<p>Europe: LTE-FDD: B1, B3, B5, B7, B8, B20, B28 LTE-TDD: B38, B40, B41 WCDMA: B1, B5, B8 GSM/EDGE: B3, B8</p> <p>Latin America: LTE-FDD: B1, B2, B3, B4, B5, B7, B8, B28, B66 LTE-TDD: B40 WCDMA: B1, B2, B4, B5, B8 GSM/EDGE: B2, B3, B5, B8</p> <p>Warning: Industrial SIM cards should be used for the devices. We will not be responsible for any issue caused by using general SIM cards.</p>
Image	
Wide Dynamic Range	Supports WDR
Signal-to-Noise Ratio	37.5 dB.
On Screen Display	Date, time, GPS latitude and longitude, speed, license plate No., and channel name.
Peripheral Interface	
Alarm Input	2-Channel Alarm Input (4-Pin BMW Type)
SIM Card Slot	1x SIM card slot (micro SIM card)
Interface	
RS232	1
Power Supply Interface	1pcs (BMW Head 8-pin)
Reset Key	1 Button (Pneumatic)key Press and hold (≥1 second and <5 seconds) to reboot the device. Hold down the reset key (≥5 seconds) to restore the default parameter settings.
Function Key	Press the Wi-Fi button to enable Wi-Fi AP mode.
Wireless Transmission	
Wi-Fi Band	2.4 GHz
Wi-Fi Protocol	802.11 b/g/n
Wi-Fi Working Mode	AP, STATION
Satellite Positioning	
Positioning	GPS (Global Positioning System) GLONASS (Global Navigation Satellite System)
Sensor	
G-Sensor	6-Axis
Intelligent Function	
Face Picture Comparison	Support

Advanced Driving Assistance System (ADAS)	<p>Forward Collision Warning (FCW) Lane Departure Warning (LDW) Pedestrian Collision Warning (PCW) Traffic Sign Recognition (TSR) Headway Monitoring Warning (HMW) Forward Car Leaving (FCL) Traffic Light Detection (TLD) Solid Lane Departure Warning (SLW)</p>
Driver Status Monitoring (DSM)	<p>Distraction Fatigue Driving (Closing Eyes, Yawn) Make Phone Call Smoking No Seat Belt Camera Tampering Infrared Blocking Sunglasses</p>
General Standard	
Product Dimension	123.8 mm × 87.0 mm × 37.3 mm
Package Dimension	223 mm × 153 mm × 63 mm
Protection	IP4X (not water-proof)
Operating Temperature	-30°C to 70°C
Operating Humidity	10% to 95% (non-condensing)
Storage Temperature	-40°C to 85°C
Net Weight	Approx. 255g
With Package Weight	Approx. 600g
Storage	Two TF cards are supported. The Max. Capacity of each card is 1 TB. Class 10 or above TF card is recommended.
Image Format	JPEG
Indicator	<p>Positioning Status Indicator (GNSS) Off: No positioning signal. Solid Blue: The positioning signal is normal.</p> <p>Recording Status Indicator (REC) Off: The built-in or extended camera stops / fails. Solid blue: The built-in or extended camera is recording normally.</p> <p>Network Status Indicator (4G) Off: No 4G signal. Solid Blue: 4G signal and the platform connection normal. Flashing Blue: 4G signal is normal, but no platform connection.</p> <p>Wi-Fi Status Indicator Off: Wi-Fi AP closed. Solid blue: Wi-Fi AP is open and the connection to the APP is normal. Flashing blue: Wi-Fi AP is open, but no App connection.</p>
Power Supply	11.8 V to 16 V or 23.5 V to 36 V
Power Consumption	Max. 12w
Language	English, Turkish, Portuguese, Spanish, Russian
System	Embedded System
Approval	
CE	Europe: CE-EMC, CE-LVD, CE-RED, CE-RoHS
CB	Europe: CB
E-MARK	Europe: E-MARK
FCC	Latin America: FCC-SDoC, FCC-ID
RCM	Latin America: RCM
ANATEL	Latin America: ANATEL
ICASA	South Africa: ICASA
LOA	South Africa: LOA

▪ Dimension (unit: mm)

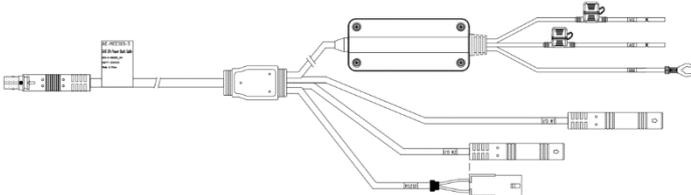
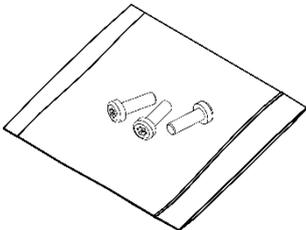


Wiring Diagram



No	Interface Name	Interface Form	Interface Definition	Description
1	Power	BMW 8-pin Male Plug	<ol style="list-style-type: none"> RS232_RX RS232_TX GND I/O2 I/O1 ACC VCC GND 	8-Pin BMW Male Plug Power Cord Link
2	CH2	BMW 4-pin Male Plug	<ol style="list-style-type: none"> 12V GND TVI1 NA 	4-pin male BMW connector to female BMW connector camera, or use a BMW connector to aviation connector adapter cable to connect to an aviation camera.
3	CH3	BMW 4-pin Male Plug	<ol style="list-style-type: none"> 12V GND TVI2 Audio 	4-pin male BMW connector to female BMW connector camera, or use a BMW connector to aviation connector adapter cable to connect to an aviation camera.
4	VCC	Half Strip Wires	/	VCC Connected to Vehicle Power Positive Pole
4	ACC	Half Strip Wires	/	ACC Connected To Vehicle ACC
4	GND	Fork-Type Ring Terminal	/	Connect GND to Vehicle Ground
5	I/O #1	BMW 4-pin Male Plug	<ol style="list-style-type: none"> GND I/O1 NA NA 	Alarm input
6	I/O #2	BMW 4-pin Male Plug	<ol style="list-style-type: none"> GND I/O2 NA NA 	
7	RS232	Molex	<ol style="list-style-type: none"> NA GND RS232_TX RS232_RX 	Reserved for Peripheral Connection

▪ Packing List

No	Name	Quantity	Picture	Specifications
1	Dashcam	1		Main Device Dimensions: 123.8 mm × 87.0 mm × 37.3 mm.
2	Power Cable	1		Cable: 3500 mm.
3	Parallel Brackets	1		Dimensions: 71.5*67.9*6.4m m Installation on the Back of Dashcam
4	QUG	1		/
5	Installation Screw Kit	1		Install the Forward-Facing Lens

▪ Available Model

- AE-DI2032-G40(V2)(B)(US)
- AE-DI2032-G40(V2)(B)(EU)

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