

AE-DI5052-G40 PRO Fleet Management System



- Support up to 5-channel video recording, 2-ch default and 3-ch extension.
- Front camera: 1620P, Rear camera: 1080P, Extension channel: 1080P.
- Built-in Microphone and Speaker, support two-way audio function.
- Support GPS/GLONASS/GALILEO and time, speed overlay on picture.
- Built-in Wi-Fi communication module, support AP access point.
- Built-in Bluetooth module, support connecting to third-party sensors.
- Built-in 4G module, support 2×NANO SIM card.
- Support 2 × Micro-SD card storage, each up to 1 TB. Support recording overwrite.
- Support preview, playback and editing parameters via APP.
- Support HAT Cloud, HCP and CMSV6 Platforms.
- Built-in 6-axis gyroscope sensor, start emergency video and video backup lock when the vehicle has a collision or severe vibration.
- Support 2-ch IO alarm input, 3-ch steering signal.
- Support Advanced Driving Assistance System (ADAS), Driver Status Monitoring (DSM), Driver Authentication, People counting.
- Support sentry mode, protect and monitor all-day parking.
- Easy installation and operation.
- Support connecting to an external display for real-time live preview.
- Support connecting to door magnetic sensors to monitor cargo compartment status in real time and ensure cargo security.
- Support Bluetooth connection to fuel level sensors for real-time fuel monitoring; trigger emergency notifications to the platform in case of abnormal fuel level changes to prevent fuel theft.
- Support connecting to H-Watch; provide real-time driver alerts when abnormal events or alarms occur.

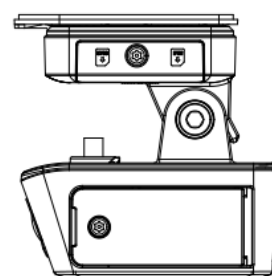
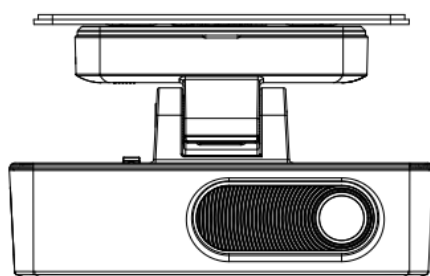
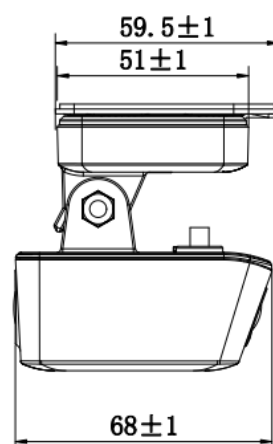
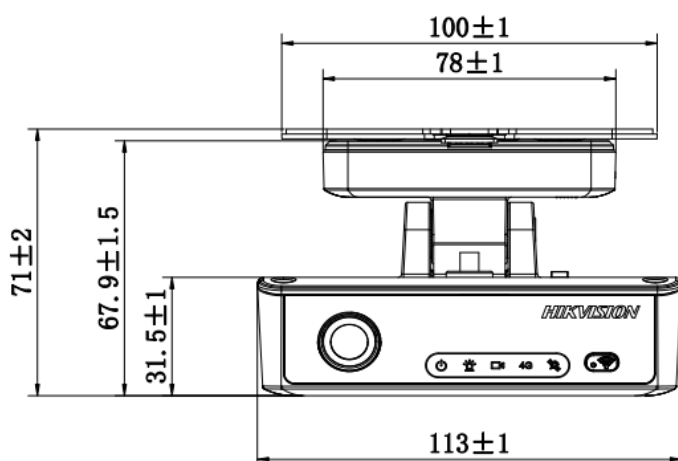
▪ Specification

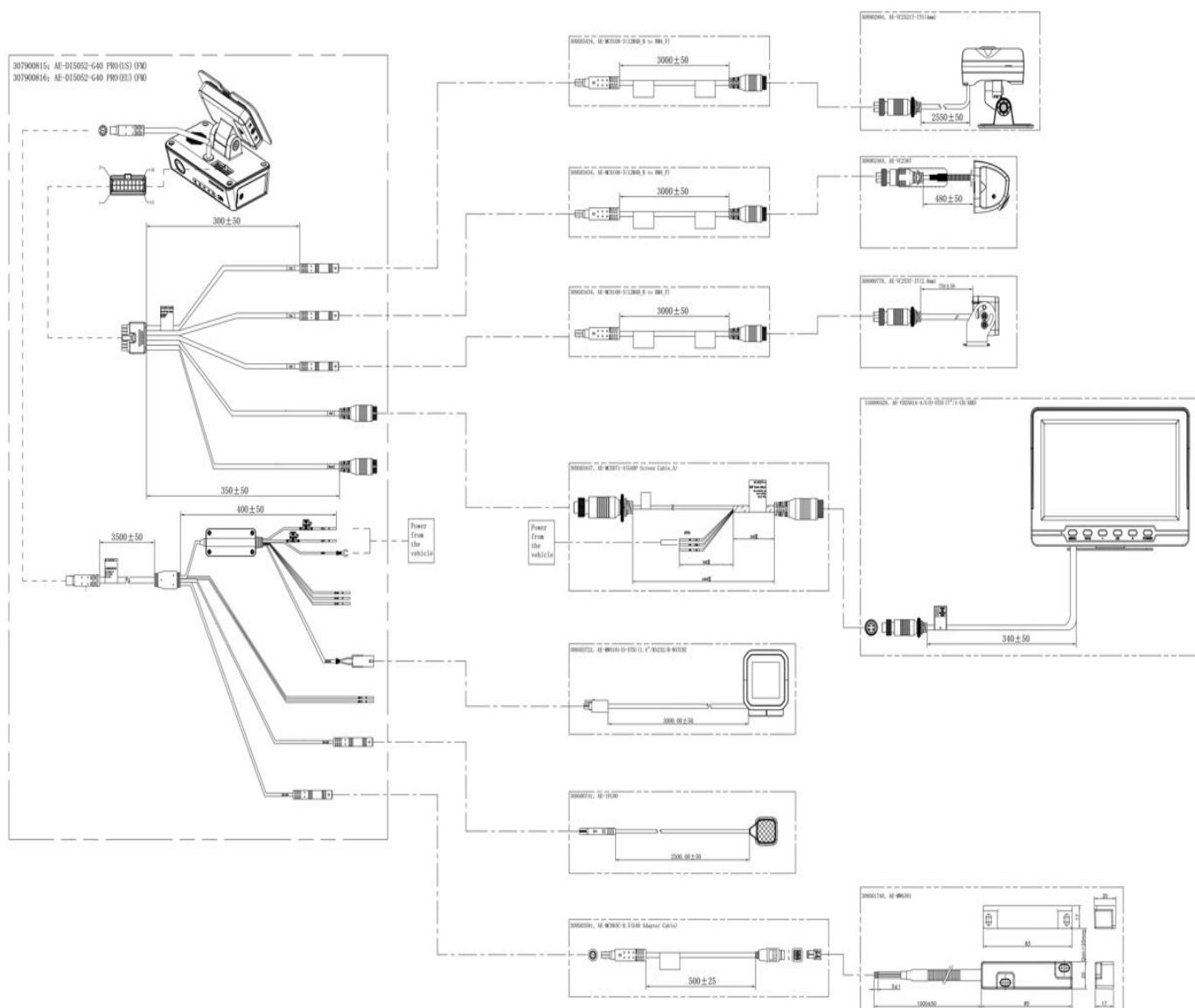
Camera	
Image Sensor	Front view: 1/2.7" CMOS Rear view: 1/2.8" CMOS
Min. Illumination	Front view: 0.1 Lux Rear view: support IR
Shutter Speed	Front view: 1/30 s Rear view: 1/30 s
Lens	
Focal Length	Front view: 3mm Rear view: 2.28mm
Max. Aperture	Front view: F1.6 Rear view: F2.2
Lens Mount	Front view: M12 Rear view: M12
FOV	Front view: HFOV: 123° VFOV: 63° DFOV: 142° Rear view: HFOV:145° VFOV:78° DFOV: 172° Note: Horizontal, Vertical Tolerance±3°; Diagonal Tolerance±5°
Video Audio Input	
Video Input	5-Channel Video (Default: 2-Channel; Extension: 3-Channel)
Audio Input	2-Way, Built-In Sound Pickup
Video Audio Output	
Audio Output	1-Way, Built-In Speaker
Video Output	1-Way CVBS/TVI/AHD Video Output
Video Audio Decoding Parameters	
Main Stream Resolution	CH1: 2880 × 1620, 1920 × 1080 (default), 1280 × 720 CH2: 1920 × 1080, 1280 × 720(CH2 Default) Note: The default resolution of CH3-CH5 is decided by external camera.
Sub-Stream Resolution	CH1: 1280 × 720 (Default), 640 × 480 CH2~CH5: 640 × 480 (Default)
Main Stream Frame Rate	10 fps, 15 fps, 25fps, 30 fps available. The default CH1 is 25 fps, and CH2-CH5 is 15 fps.
Sub-Stream Frame Rate	10fps, 15fps, 25fps, 30 fps available, CH1-CH5 default 15 fps.
Video Compression Standard	H.264 (Default), H.265
Video Bit Rate	CH1: 20 Mbps, 16 Mbps, 8 Mbps, 4 Mbps (default), 2 Mbps, 1 Mbps CH2~CH5: 4 Mbps, 2 Mbps, 1 Mbps (default), 512 Kbps
Video Format	MP4
Audio Sampling Rate	G711U: 8kHz(Default) G711A: 8kHz AAC: 16kHz
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
Internal Speaker	Support
Image	
Wide Dynamic Range	Front view: Wide Dynamic Range Rear view: Linear
Signal to Noise Ratio	Front view: 42dB Rear view: 42dB
OSD	Date, time, GPS latitude and longitude, speed, license plate, and channel name.

Wireless Network	
Mobile Network	Europe: LTE-FDD: B1, B3, B5, B7, B8, B20, B28 LTE-TDD: B38, B40, B41 WCDMA: B1, B5, B8 GSM/EDGE: B3, B8 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 Warning: The device requires industrial SIM card. Normal SIM card is not allowed. We are not responsible for any problems caused by using any normal SIM card.
Bluetooth	Support
Peripheral Interface	
Alarm Input	2-Way Alarm(4pin BMW), 3-Way Steering(Half Stripped Lines)
CAN	1
SIM Card Slot	2 (plug-in type, support industrial-grade Nano SIM card, dual-card single waiting)
Network Interface	1 x 6-pin aviation header
Interface	
RS232	1
Power Supply Interface	1 (10pin BMW)
Reset Key	1 (pinhole button) Press (≥ 1 sec & < 5 sec) to reset the device to restart. Press and hold the reset key (≥ 5 sec) to restore the default parameter settings.
Function Key	One Wi-Fi button. Short press to enable 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) GALILEO (Galileo satellite navigation system)
Sensor	
G-Sensor	6-Axis
Location Algorithm	
Inertial Navigation	Support
Intelligent Function	
Face Picture Comparison	Support
Advanced Driving Assistance System (ADAS)	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)
Driver Status Monitoring (DSM)	Distraction Prompt Fatigue Driving (Closing Eyes) Fatigue Driving (Yawn) Phone Call Smoking Seatbelt Unbuckled Tampering IR Interrupted Sunglasses

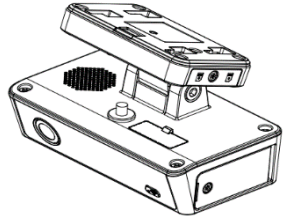
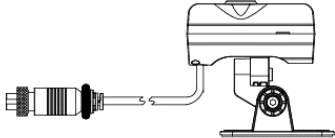
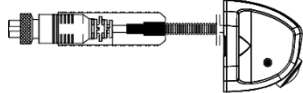
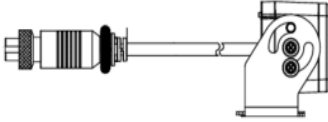
General Standard	
Product Dimension	113 mm × 71 mm × 68 mm (including mounting bracket).
Package Dimension	195 mm × 138 mm × 100 mm
Protection	IP4X (not water-proof)
Operating Temperature	-30 °C to 70°C
Operating Humidity	10% to 95% (non-condensing)
Storage Temperature	-40°C to 85°C
Product Weight	321 g (with mounting bracket)
With Package Weight	748 g
Storage	Supports dual TF card (up to 1TB each). Class 10 or above are recommended.
Image Format	JPEG
Indicator	GNSS Indicator: Solid light: Normal. Not on: Abnormal. Record Indicator: Solid light: Recording normal. Not on: Recording exception. 4G indicator: Solid light: 4G signal is normal. Platform connected. Flashing: 4G signal is normal. Platform not connected. Not on: No 4G signal. Alarm Indicator: Flashing: Active Security Alarm. Not on: Normal. Power Status Indicator: Solid light: Device is on. Not on: Device is off. Wi-Fi Status Indicator: Solid light: Wi-Fi AP is on. App is connected. Flashing: Wi-Fi AP is on. APP is not connected. Not on: Wi-Fi AP is off.
Power Supply	11.8 V~16 V/23.5 V-36 V
Power Consumption	Max: 15 W
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
RCM	Latin America: RCM
ANATEL	Latin America: ANATEL
ICASA	South Africa: ICASA
LOA	South Africa: LOA

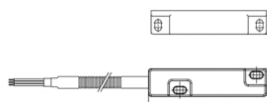
▪ Dimension (Unit: mm)





▪ Recommended accessory

No	Product	SAP Code	Product Model	Quantity	Picture
1	Dashcam	307900815	AE-DI5052-G40 PRO(US)(FM)	1	
		307900816	AE-DI5052-G40 PRO(EU)(FM)	1	
2	Camera adapter cable	309503434	AE-MC0108-3(12M4B_B to BM4_F)	3	
3	Extension camera	308902994	AE-VC2521T-ITS(4mm)	1	
		308902365	AE-VC236T(1.0mm)	1	
		308900778	AE-VC253T-IT(2.8mm)	1	
4	7-inch display	316000429	AE-VD2501A-A/G(O-STD)(7"/ATC/1-CH/B)	1	
5	Display power cable	309503447	AE-MCE071-4(G40P Screen Cable,A)	1	
6	H-Watch	309503722	AE-MW0101(O-STD)(1.4"/RS232/H-WATCH)	1	
7	Alarm button	309500741	AE-IFC00(O-STD)(cable alarm)(2.5m)	1	

8	Door magnetic sensor	309501740	AE-MW6301(Door Sensor)	1	
9	Door magnetic sensor adapter cable	309503591	AE-MC083C-0.5(G40 Adapter Cable)	1	
10	Fuel level sensor	/	Escort TD.BLE012.000 DS	1	/

Note: The extension camera listed above is for recommendation only. The final configuration can be reselected according to specific business scenarios; please contact the marketing representative for customization.

▪ Available Model

- AE-DI5052-G40 PRO(US)(FM)
- AE-DI5052-G40 PRO(EU)(FM)

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