

AI Dash Camera



SPECS

304g

-40°C ~+70°C

113.0 × 67.8 × 88.2 mm

15% - 90%

Overview

A professional, user-friendly, and cost-effective dash camera with a built-in AI processor that detects risky driving events — such as lane departure, forward collision, and headway warnings — and unsafe behaviors like not wearing seatbelts, phone use, yawning, distraction, and smoking. Real-time driver alerts and uploads event data to DMP monitoring platform, enabling fleet managers to review, coach, and reduce traffic risks.

Features

- 5MP resolution with 140° Driver Field of View for Advanced Driving Assistance System, 1080P resolution
- Support up to 4-channel video recording, H.264/H.265 video coding.
- Best in market storage capabilities, with dual storage capable of up to two 512GB SD cards
- Built-in Wi-Fi and 4G module
- Support 4-channel I/O input, 1 channel CAN and 1 channel RS232
- Driver AI ID
- Support OBD powering, easy installation
- Support sleep mode, remote wake-up (power consumption less than 0.1W)
- Echo suppression algorithm to improve the quality of two-way voice intercom
- 6-axis gravity sensor detects intense driving behaviors (Harsh Acceleration, Deceleration, Sharp turn & Accident detection)

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SPECIFICATIONS

Product Model: AD Plus 2.0

System	Embedded Linux
Language Support	Chinese, English, Spanish, Portuguese, French, Russian, Japanese

Video/Audio

Video/Audio Recording	4-channel video (default: 2 channels; extensible: 2 channels) + 1-channel audio
Total Resources (with 2-channel AI)	5MP@25fps(ADAS)+1080P@25fps(DSC)+1080P@25fps(AHD)+1080P@30fps(IPC)
Total Resources (without AI)	PAL: 1 × 5MP@25fps (AHD) + 2 × 1080P@25fps (AHD) + 1 × 1080P@30fps (IPC) NTSC: 1 × 5MP@30fps (AHD) + 2 × 1080P@30fps (AHD) + 1 × 1080P@30fps (IPC)
Image Setup	Adjustable brightness, chroma, contrast, color saturation, and sharpness
Video Coding	H.264 /H.265 (default: H.265)
Audio Compression Standard	ADPCM/G.711/G.726 (default: ADPCM)
CBR/VBR	Supported. VBR or CBR (optional), VBR by default
Audio	Built-in MIC
Loudspeaker	Built-in 3W loudspeaker

ADAS Camera Parameters

Sensor Type	1/2.7" 5-megapixel CMOS sensor
Shutter Speed	1/30s-1/100000s
Lens	2.8mm HFOV: 123° VFOV: 65° DFOV: 140°
Lens Mount	MDVR built-in lens
Wide Dynamic Range (WDR)	Digital WDR
Backlight Compensation	Supported
Signal-to-Noise Ratio (S/N)	≥48dB

Cabin Camera Parameters

Sensor Type	1/2.9" 2-megapixel CMOS sensor
Shutter Speed	1/30s-1/100000s
Lens	2.2mm HFOV: 154° VFOV: 84° DFOV: 170°
Lens Mount	MDVR built-in lens
Wide Dynamic Range	(WDR) Digital WDR
Backlight Compensation	Supported
Signal-to-Noise Ratio (S/N)	≥45db

LED Indicator Status

Indicator		Indicator	
1. Power Status	Off/Blue	4. Network Status	Off/Red
2. Alarm Indicator	Off/Red	5. WiFi Status Indicator	Off/Red/Green
3. GPS Signal Indicator	Off/Red	6. Recording Status Indicator	Off/Red

SPECIFICATIONS

Storage	
Micro SD card	Best in market storage capabilities, with dual storage capable of up to two 512 GB SD cards
Sensor	
Six-axis Sensor	Supported, Harsh Acceleration, Deceleration, Sharp turn & Accident detection
Engine Data Page	
CAN Data Collection	Supported
Port	
RS232	1
IO Port	4-channel input
CAN	1
USB	1 × mini USB port
Network	
WIFI	Support 2.4G (IEEE Std.802.11a/IEEE Std.802.11b/ IEEE Std.802.11g / IEEE Std.802.11n)
4G	Supported For North America: EC25AFXGA-128-SGAS LTE FDD: B2/B4/B5/B12/B13/B14/B66/B71 WCDMA: B2 B4/B5 For Europe and Asia: EC25-EC LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8 GSM: B3/B8 For Latin America: EC25AUXGA-128-SGNS LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8
Positioning	
GPS	Supported GPS L1 1575.42MHz BDS B1 1561.098MH GALILEO E1B/C1 GLONASS L1OF 1602MHz SBAS: WAAS, EGNOS, MSAS, GAGAN
Protocol	
Network Protocol	HTTP,TCP,ARP,UDP,FTP,DHCP,DNS,IPV4,NTP
Power Related	
Power Supply	9-36V
Built-in Battery	Not supported
Power Consumption	Typical power consumption <8 W, maximum power consumption <12 W
General Specifications	
Dimensions	113.0 mm (length) × 67.8 mm (width) × 88.2mm (height, without bracket)
Weight	MDVR: 306 g MDVR + bracket + screw + power supply box + power tail cable: 590 g
Operating Temperature	-40°C ~ +70°C (-40°F - +158°F)
Storage Temperature	-40°C ~ +85°C (-40°F - +185°F)
Humidity	15% - 90%