

## AI Dashcam

4G / Wi-Fi / BLE / HD / AI Algorithm / FOTA / Easy Installation

# MD300A



## Key Advantages

### ► AI Early Warning

ADAS  
DMS

### ► Efficient Fleet Management

Seamless upload platform for driving events  
Supports MS06 platform

### ► High-precision Location Information

Dual-frequency positioning + DR (optional)  
RTK (optional)

### ► High-quality Audio & Video

1080P  
CVBS display screen

### ► Compact and Flexible Design

Ensures clear visibility for the driver  
117\*70\*120mm  
310g

### ► Easy to Install and Integrate

Rich in interfaces:  
Max 2 DIN/Max 2 DOUT/RS232/1-Wire



#### Fleet Tracking

Provides real-time location monitoring, helping businesses optimize route planning and ensure vehicle safety



#### Real-time Fatigue Monitoring

Ensures responsibility for driver safety while reducing your accident insurance premiums



#### AI-powered Driving Coaching

Uses AI to analyze driving behavior, providing personalized recommendations to enhance customer satisfaction

# Key Features



## 105° horizontal road-facing lens

Built-in 1080P ADAS camera  
Clear and detailed image



## 100° horizontal driver-facing lens

Captures video up to 720P  
Clear and detailed image



## Support up to 4-channel video recording

Regular recording and AI alarm recording  
Expands monitoring with extra video channels



## Built-in Wi-Fi and 4G communication module

Seamlessly integrates with fleet management system



## Dual CPU control

Supports low power mode, protecting the vehicle's battery from draining



## MAX 2\*512GB storage

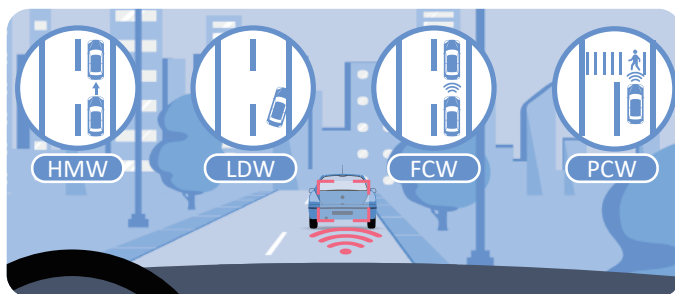
Secure & Reliable Data Storage

Compatible with Meitrack's MS06 platform  
Smarter Management for Higher Efficiency

## Meitrack Advanced GPS Tracking System

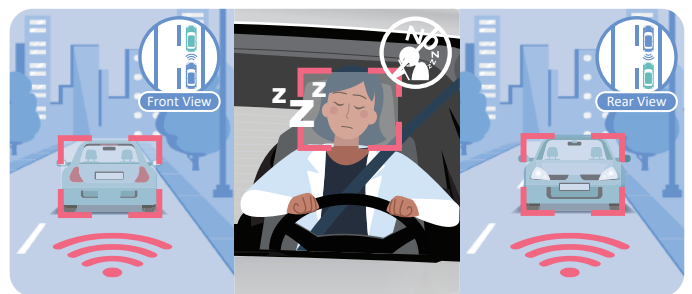


# AI Smart Alert



## ADAS

Watch out lane departure  
Watch out for the front vehicle  
Watch out for pedestrians  
Keep a safe distance



## DMS

No smoking  
Please face forward  
Please stay awake  
Please return to the seat  
Do not block the DMS lens

No phone call  
Attention, drowsiness detected  
Please fasten your seat belt  
Do not block the DMS IR

# Feature Specifications

<b>Power</b>	Rated Voltage	DC 11.4-40V, rated 12V 2A, (without external power box)
<b>Storage Medium</b>	Micro SD Card	Supports 2 × Micro SD cards; each card supports up to 512 GB; Class 10 or higher; FAT32 format
<b>System Structure</b>	System Operation	Dual system operation
<b>Audio &amp; Video</b>	Video input	Supports up to 4 channels, built-in 1080P ADAS + built-in 720P DMS + 2 external 720P AHD cameras (optional)
	Video output	One CVBS aviation connector output (Level: 1.0 Vp-p, Impedance: 75 Ω);
	Video compression	H.264/H.265 configurable, default H.265
	Audio input	Channel 1 audio input is a built-in MIC input (supports intercom, two-way calling, as well as ADAS and DMS recording or monitoring). Channels 2 and 3 audio inputs are for external AHD camera audio input and require camera support (recording or monitoring).
	Audio output	1 channel built-in speaker output, 1 channel external display screen with built-in speaker output
	Audio compression	G.711a
	Video search and playback	Search and playback by channel, recording type, stream type, or time
	Recording method	Regular recording and AI alarm recording; synchronized audio and video recording
	Wi-Fi	IEEE 802.11 b/g/n/ax, 2.4 GHz frequency, supports AP/STA modes. Wi-Fi function can be enabled via button to connect to MM+ APP for parameter configuration.
	GNSS	Supports antenna insertion/removal/short-circuit detection
<b>Power Consumption</b>	Working power consumption	Main unit audio and video on with 2 built-in cameras: approx. 6W; with 2 external cameras, during the day approx. 12.5W (13W with display), at night approx. 14W (14.5W with display).
<b>Protocol</b>	Supported protocols	Meitrack protocol (CCE) + RTMP (audio & video transmission protocol, also compatible with Meitrack's private audio & video transmission protocol)
<b>Others</b>	Bluetooth	Supports master-slave dual mode, can read Bluetooth accessories, configurable parameters via APP
	SPI memory	MCU: Built-in 8MB memory for storing GPRS, SMS, and GPS log data
	Operating temperature	-20°C ~ 70°C
	Built-in accelerometer	Built-in 3-axis sensor supporting motion and stationary detection
	I/O interfaces	15-pin loose wires + 4-pin interface + 2-pin SOS port; SOS*1+ACC*1+IN/AD/OUT*2 (Total multiplexed 2) + RS232*1 + 5V _ OUT*1 + DC _ IN*1 + GND*2 + 1-Wire*1 + OUT1*1 External AHD display + dual AHD camera interface
	Dimensions	117*70*120mm (dual cameras with bracket)
	Weight	310g (dual cameras without accessories)



## Optional DMS Camera

- The DMS camera can be rotated to fit different mounting positions, solving angle deviation issues and avoiding unnecessary reinstallations.



## Accessories Supported



Bluetooth Temperature  
& Humidity Sensor



Bluetooth Beacon



A53 Fuel Level Sensor  
(Voltage-based)



Ultrasonic Fuel Level Sensor



ACA501  
AHD 720P C2 Small  
Waterproof Camera



ACA303  
AHD 720P Metal Small  
Conch Camera



ACA301  
AHD 720P Side Mounted  
Waterproof Camera



7-inch CVBS Display

