

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

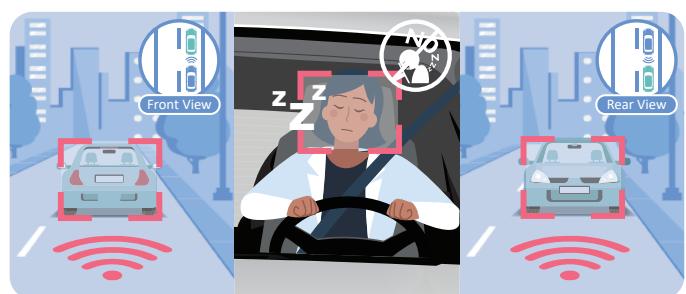
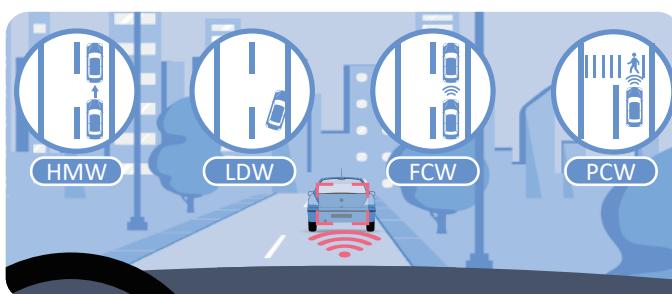
Secure & Reliable Data Storage



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 lens

Feature Specifications

Power	Rated Voltage	DC 11.4-40V, rated 12V 2A, (without external power box)
Storage Medium	Micro SD Card	Supports 2 × Micro SD cards; each card supports up to 512 GB; Class 10 or higher; FAT32 format
System Structure	System Operation	Dual system operation
	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 & Video		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 input	1 channel built-in speaker output, 1 channel external display screen with built-in speaker output
	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
Communication & Positioning	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
Power Consumption	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).
Protocol	Supported protocols	Meitrack protocol (CCE) + RTMP (audio & video transmission protocol, also compatible with Meitrack's private audio & video transmission protocol)
	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
Others	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



AHD 720P C2 Small
Waterproof Camera



AHD 720P Metal Small
Conch Camera



AHD 720P Side Mounted
Waterproof Camera



7-inch CVBS Display

