

DASHCAM 300

SPECIFICATION



AI

AI Video

ADAS, DMS, Road Sign Recognition
(customizable)

Audio And Video

Audio input

1st channel audio input: built-in MIC input (supports intercom, two-way calling, and recording or listening for channels 1 and 2)

2nd channel audio input supported

3rd channel AHD camera audio input requires camera support (for recording or listening)

Audio output

1 channel built-in speaker output,

1 channel external display screen with built-in speaker output

Audio compression

G.726/G.711a/AAC

Recording method

Regular recording and AI alarm recording; synchronized audio and video recording

Video input

Option 1: MAX 4 channels, built-in 2K ADAS + built-in 1080P DMS + external 2 channels 720P AHD cameras (optional).

Option 2: MAX 3 channels, built-in 2K ADAS + external 2 channels 720P AHD cameras (optional)

Video output

1 channel CVBS aviation plug output (level: 1.0Vp-p, impedance: 75Ω)

Video search & playback

Search and playback by channel, recording type, bitrate type, or time

Video compression

H.264/H.265 configurable, default H.265

Communication and Positioning

GSM

4G (LTE CAT 4), 3G, 2G

GNSS antenna

GPS/BeiDou/GLONASS

WiFi

802.11b/g/n, frequency 2.4G, supports AP/STA mode, can connect to MM+ APP for parameter configuration via button press

Bluetooth

Supports master-slave dual mode, can read Bluetooth accessories

Positioning mode

GPS/GPS_BEIDOU/GPS_GLONASS

Power Supply

Rated voltage

DC: 11.4-40V, rated 12V 2A, external power box, available in N1 and N2 versions

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).

Hardware

Operation system

Linux

Storage medium

2* Micro SD cards, single card supports up to 1TB, Class 10 and above

Built-in sensor

3-axis accelerometer, supports motion and stationary detection (hardware supports 6-axis sensor)

Operating temperature/humidity

-20°C to 70°C (without battery)

Dimensions

117*70*120mm (dual cameras with bracket), 117*70*80mm (single camera without bracket)

Weight

310g (dual cameras without accessories), 265g (single camera without accessories)

Frequency Band

Africa/Europe/Middle East

MD300-E

GSM: B3/B8

WCDMA: B1/B5/B8

LTE-FDD: B1/B3/B5/B7/B8/B20/B28

LTE-TDD: B38/B40/B41

Americas

MD300-A

WCDMA: B2/B4/B5

LTE-FDD: B2/B4/B12

Japan

MD300-J

WCDMA: B1/B6/B8/B19

LTE-FDD: B1/B3/B8/B18/B19/B26

LTE-TDD: B41

Others

Protocol

Meitrack protocol (CCE) + RTMP (audio & video transmission protocol, also compatible with Meitrack's private audio & video transmission protocol)

Certification

CE, DLT

Interfaces

N1 version interfaces: SOS*1 + ACC*1 + IN/AD/OUT*2 (total 2 multiplexed) + RS232*1 + CAN*1 + 5V_OUT*1 + DC_IN*1 + GND*1+ 1-Wire*1

N2 version interfaces: SOS*1 + ACC*1 + IN/AD/OUT*6 (total 6 multiplexed) + OUT*1 (independent) + RS232*1 + CAN*2 + 5V_OUT*1 + DC_IN*1 + GND*2 + 12V_OUT*1 + RS485*1 + 1-Wire*1