Mini AI Mobile DVR

MD500S

25mm

70mm

120mm

ALL-IN-ONE AI MDVR

Equipped with advanced algorithm, ADAS and DMS can be realized based on GNSS tracking and video surveillance.

HIGH STABILITY

Independent 4G communication. The tracker and peripherals can work properly no matter when the ACC is on or off.

VIDEO RECORDING

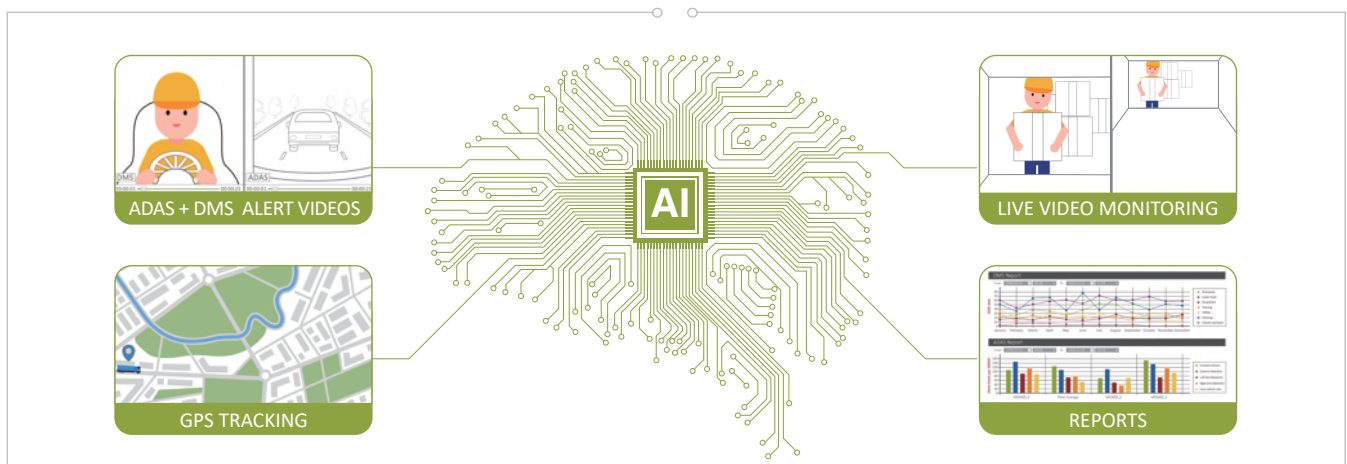Up to 4-channel 720P live video recording, support OSD overlay for video recording.

MULTIFUNCTIONAL PLATFORM

The MS03 platform can manage the location data, remotely view the live videos, view the alert videos for specific events and read the reports.

CONFIGURATION VIA WIFI

The user can initial the device, calibrate the cameras and configure the parameters on the MTViewer Ai APP via WiFi.

Intelligent AHD MDVR Integrated with ADAS and DMS

ADAS + DMS ALERT VIDEOS

LIVE VIDEO MONITORING

AI

GPS TRACKING

REPORTS

SPECIFICATIONS

ITEM	PARAMETER	SPECIFICATIONS
Power supply	Rated voltage	DC: 11–36 V. Rated input: 12 V/2 A
Storage medium	Micro SD card	Up to 256 GB (a class 10 or above micro SD card)
System structure	Operating system	Android
Audio and video	Video input	Support 1-channel DMS, 1-channel ADAS, and 2-channel 720p cameras Voltage output: 5 V/0.5 A
	Resolution	Storage stream: D1 (704*576), WD1 (960*576), and 720p (1280*720) Live stream: CIF (352*288) and D1 (704*576)
	Video compression	H.264 (Support RTMP and AVMSG video streams)
	Audio input	4-channel camera Mic input 1-channel 3.5 mm headphone jack input
	Audio output	1-channel 3.5 mm headphone jack output
	Audio compression	ACC
	Video search and playback	Based on the channel, recording type, bit rate type, or time
	Recording method	General recording/alert video
Power consumption	Static working	65 mA
	Normal working	600 mA (Maximum: 1100 mA)
	Sleep mode	15 mA
Others	Operating temperature	-20°C to 70°C (without battery)
	Sensor	Built-in 3-axis accelerometer
	Audio interface	3.5 mm audio interface, connected to the speaker or microphone.
	Outer case	Dimension: 120 mm x 70 mm x 25 mm
	Weight	300g
	I/O port	4 x AV-IN, 4 x Din, 2 x Dout, 2 x AD, 1 x 1-wire, 1 x RS232, 1 x CAN, 1 x AUDIO
Communication and positioning	Bluetooth	Internal Bluetooth module. Support BT2.1 + EDR/3.0/4.1 LE/4.2BLE
	WiFi	Internal WiFi module. Support WiFi 802.11a/802.11b/802.11g/802.11n/802.11ac. Frequency: 2.4 GHz or 5 GHz. Support AP/STA mode.
	GNSS	GPS/BeiDou/GLONASS
	2G/3G/4G	MD500S LTE FDD: B1/B3/B7/B8/B20/B28 LTE TDD: B38/B40 WCDMA: B1/B8 GSM: 900/1800MHz MD500S-E LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM: 850/900/1800/1900MHz MD500S-A LTE FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B66/B71 LTE TDD: B41 , WCDMA: B2/B4/B5 MD500S-J LTE FDD: B1/B3/B5/B8/B11/B18/B19/B21/B26/B28 LTE TDD: B41 WCDMA: B1/B6/B8/B19 MD500S-W Only the GNSS, WiFi and Bluetooth functions are supported, and LTE is not supported.

ACCESSORIES

MD500S MDVR
I/O cable
A57 speaker
A58 microphone
Audio cable
GPS antenna

4G antenna
WiFi antenna
CD download card

OPTIONAL ACCESSORIES

Camera of the ADAS
Camera of the DMS
A53 fuel level sensor
A61 temperature sensor box
A52 digital temperature sensor
Bluetooth ultrasonic fuel level sensor

AHD 720P camera
USB cable
Relay
iButton reader

CE