

MEITRACK® MD600 User Guide





Documentation

File Name	MEITRACK MD600 User Guide		
Project	MD600 Creation Date 2023-09-15		2023-09-15
Subproject	User Guide	Total Pages	20
Version	V1.5	Confidential	External Documentation

Copyright and Disclaimer

Copyright © Meitrack Group 2024. All rights reserved.

MEITRACK and **O** are trademarks that belong to Meitrack Group and its subsidiary.

The user manual may be changed without notice.

Without prior written consent of Meitrack Group, this user manual, or any part thereof, may not be reproduced for any purpose whatsoever, or transmitted in any form, either electronically or mechanically, including photocopying and recording.

Meitrack Group shall not be liable for direct, indirect, special, incidental, or consequential damages (including but not limited to economic losses, personal injuries, and loss of assets and property) caused by the use, inability, or illegality to use the product or documentation.

Documentation Update Records

Version	Date	Modified	
1.0	2023-09-15	Initial draft.	
1.1	2023-10-31	Modify the optional model.	
1.2	2023-11-24	Modified I/O port sequence.	
1.3	2024-08-08	Modified usage precautions.	
		Change the color of the I/O line.	
1.4	2024-11-20	Added AI camera and UPS accessories.	
		Modify the ACC color line.	
1.5	2025-05-06	Add the number of cache storage.	
		A 10-inch VGA display screen has been added.	
		New AI alarm function has been added.	
		Add the server configuration steps.	
		Installation guidance for new equipment.	
		New Settings for the MD600 function have been added.	
		New upgrade steps added.	
		New video-related setting methods have been added.	
		Add the MS06 platform.	



Cautions

Installation Environment

1. To extend equipment life, please install the equipment in locations with little vibration.

2. To ensure normal heat dissipation, do not install the device in a poorly-ventilated area (such as a trunk), and also keep it about 15 cm away from other objects on the same level.

3. The device shall be horizontally installed and protected against water, humidity and lightning; in addition, keep the vehicle still during installation to prevent damage to the device due to falling off.

4. To ensure safe operation, keep the device, camera, cables and other accessories out of reach of passengers and driver.

Avoid electric shock and fire

- 1. The machine uses 11.4V-36V DC power supply, notice the polarity when wiring to avoid short circuits.
- 2. Before installation, disconnect the power supply of the device and wrap each unused I/O cable with adhesive tape to prevent other cables from touching the output power cable, which may cause the device to burn.
- 3. Please power off the device when connecting accessories with device.
- 4. Do not touch the power and the device with wet hands.
- 5. Do not spray liquid on the device to prevent internal short circuit or fire.
- 6. Do not put any other equipment on top of camera.
- 7. Do not disassemble the housing without authorization to avoid damage or electric shock.

Transport and handling

- 1. Please use the original package in transport to avoid damage in transport.
- 2. Please keep power off in moving the device or replacing components.



Contents

1 Product Introduction	6 -
2 Specifications	6 -
3 Main Device and Accessories	8 -
3.1 Main Device	8 -
3.2 Optional Accessories	9 -
3.2.1 MDVR Camera options	9 -
3.2.2 Additional options	11 -
4 Host interface	12 -
4.1 Appearance and interface	12 -
4.2 I/O Interface Definitions	14 -
4.3 Power interface Definition	15 -
4.4 RS232 interface definition	16 -
4.5 AV-OUT Definition	16 -
4.6 VGA interface definition	17 -
4.7 AV-IN1 to 6 Interface Definition	17 -
4.8 Backup interface Definition	18 -
4.9 MIC&SPEAKER interface definition	18 -
5 LED indicator	19 -
6 AI alarm function	20 -
6.1 ADAS Function	21 -
6.1.1 Lane Left Deviation Alarm	21 -
6.1.2 Lane Right Deviation Alarm	22 -
6.1.3 Front impact warning	22 -
6.1.4 Pedestrian Impact Warning	22 -
6.1.5 Distance Detection	23 -
6.2 DMS Function	23 -
6.2.1 Smoking	23 -
6.2.2 Calling	23 -
6.2.3 Distraction Warning	24 -
6.2.4 Fatigue Driving Alarm (Eyes Closed)	24 -
6.2.5 Yawning	24 -
6.2.6 Driver Absence Detected	25 -
6.2.7 Seat Belt Detection	25 -
6.2.8 IR block	25 -
6.2.9 Covered	26 -
7 AI Server Configuration Steps	26 -
7.1 Single Server	26 -
7.2 Dual Server	27 -
7.3 JTT 808\JTT 1708 Server	27 -
8 APP (MT Manager+)	27 -

G meitrack

	8.1 APP connection to MD600	- 28 -
	8.2 Configure parameters using the MT Manager + APP	- 29 -
9 AI a	alarm settings	- 30 -
	9.1 Indoor testing: enable simulated speed	- 30 -
	9.2 Calibration of ADAS, DMS, BSD, and facial recognition via the APP.	- 30 -
	9.2.1 Installation and calibration of the DMS camera	- 30 -
	9.2.2 Installation and Calibration of the ADAS Camera	- 31 -
	9.2.3 BSD Camera Installation and Calibration	- 32 -
	9.2.4 AI Function Video Channel Configuration	- 33 -
10 In	stallation Guide	- 33 -
	10.1 Installation of SD Card and SIM Card	- 33 -
	10.2 Hard Drive Installation	- 34 -
	10.3 Install External Devices	- 34 -
	10.4 Powering the device	- 35 -
11 N	ID600 Function Settings,	- 37 -
	11.1 Set Overspeed, Harsh acceleration\Harsh Braking, and Impact Alarm	- 37 -
	11.2 Upload Alarm Images and Videos	- 39 -
	11.2.1 Configure to trigger alarm photo capture and snapshots;	- 39 -
	11.2.2 Configure FTP Server	- 40 -
	11.3 Set the resolution for stored stream video and real-time stream video	- 40 -
	11.3.1 Set the resolution for stored stream video.	- 40 -
	11.3.2 Set the resolution for real-time stream video	- 41 -
	11.4 MD600 Upgrade	- 42 -
12 N	ISO6 Platform	- 44 -
	12.1 Bind Device	- 44 -
	12.2 How to view live video	- 45 -
	12.3 How to view playback video	- 46 -



1 Product Introduction

MD600 is the second generation of a new solution AI MDVR with high-performance AI processing chips, with a dual-system (dual communication channel), highly stable 6-channel AHD, and 1080P high-definition vehicle-mounted hard disk video recorder. It possesses high computing power and can support AI applications such as ADAS and DMS. The product is based on a dual system of Linux operating system and MCU OS, incorporating advanced technologies including high-performance H.264/H.265 video compression/decompression, 4G, GPS, WiFi, Bluetooth, power-off data protection, wide voltage, high voltage protection, and other technologies. It serves as the core product of the next-generation wireless vehicle-mounted video surveillance solution.

It is widely used in buses, long-distance coaches, taxis, logistics vehicles, special-purpose vehicles (e.g., armored cash transport vehicles), private cars, and forklifts, and other mobile video surveillance fields.

Product features:

Support 6-channel AHD720P/1080P cameras.

Embedded high-performance AI video processing chip (optional AI video algorithm: ADAS, DMS).

M.2 SSD, which is more suitable for low-temperature environments than conventional hard disks, supports up to 2TB hard disk, and comes with an SD card slot (up to 512G).

Adopt industrial grade power supply chip, support 11.4~36V wide range power input, adapt to the harsh environment. It supports dual working modes of local recording and network transmission.

The built-in 6-axis sensor can be used for sharp turning, rapid acceleration, rapid deceleration, and other alarms.

The self-developed data writing mechanism is adopted to effectively protect the video data and prevent data loss caused by abnormal power failure of the system.

Power supply		
Rated voltage	DC: 11.4-36V. Rated at 12V/3A	
	The audio and video on the host is about 6W connected to 6 cameras, about	
Dowor consumption	24W in the day (29W connected to the display), about 32W in the night	
Power consumption	(37W connected to the display), Connect to a single camera (normal range is	
	50mA~100mA during the day, 200mA~250mA at night)	
AI		
Al video	ADAS、DMS、BSD、 face recognition	
Storage media		
SD card &SSD bard drive	1*M2 SSD and 2*SD, Capacity: 2 TB + 2* 512 GB, supports PCIe x2 and PCIe	
SD Card &SSD hard drive	x4 NVME protocol M.2 NGFF SSD (2280 specifications)	
System structure		
System exerction	Dual system operation, dual communication channels (to prevent	
System operation	data loss)	
Audio and video		

2 Specifications

MEITRACK_MD600_ User_Guide



	6-channels AHD camera, can support D1/720P/1080P arbitrary mixing		
Video input	Adaptive camera resolution and format (PAL and NTSC) Maximum support		
	6x1080P@15fps real-time video recording		
	1 channel VGA video output (8Pin aviation head interface),		
Video output	default resolution 1024*7681		
νιαέο ομεραί	1 CVBS aviation plug (level: 1.0Vp-p, impedance: 75Ω)		
	Resolution: PAL 704*576, NTSC 704*480		
Compression standard	H.264/H.265 configurable		
Image display	Support 1, 6 screen display		
	6 channels for the camera Mic input, the camera should support audio 1		
Audio input	way of intercom handle input 1 channel 3.5MM headphone interface input		
	(GSM call interface)		
	1 independent audio isolation output (and connected to AV-OUT interface,		
Audio output	VGA aviation head interface and intercom handle interface)1 channel		
	3.5MM headphone interface output (GSM call interface)		
Audio compression	G.726/G.711a/AAC		
Video Request and Playback	It can retrieve and playback by channel, video type, bitstream type and time		
Video Recording method	Ordinary video and alarm video, sound and video recording synchronization		

Frequency band	
	GSM: B2/B3/B5/B8
	WCDMA: B1/B2/B4/B5/B8
WID600-AU	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66
	LTE-TDD: B40
	WCDMA: B2/B4/B5
WID600-A	LTE-FDD: B2/4/5/12/13/14/66/71
	WCDMA: B1/B6/B8/B19
MD600-J	LTE-FDD: B1/B3/B8/B18/B19/B26
	LTE-TDD: B41
	GSM: B2/B3/B5/B8
	WCDMA: B1/B2/B4/B5/B8/B6/B19
MD600-G	LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
	LTE-TDD:B38/B39/B40/B41
	GSM: B3/B8
	WCDMA: B1/B5/B8
WID600-E	LTE-FDD: B1/B3/B5/B7/B8/B20/B28
	LTE-TDD: B38/B40/B41
WiFi\BLE\GNSS	
WiFi	IEEE 802.11b /g/n, frequency 2.4G&5.8G, supports STA and AP dual mode
Pluotooth	It supports master-slave dual mode, can read Bluetooth accessories, and
	can configure parameters through APP
Positioning mode GPS/GPS_BEIDOU/GPS_GLONASS	

MEITRACK_MD600_ User_Guide



Positioning accuracy	2.5m	
Tracking sensitivity	-162dBm	
GNSS antenna	Support antenna insert/pull out/short circuit detection	
Others		
SPI memory	Built-in 64Mbit;	
GPRS Cache	Store 100W pieces of GPRS data.	
Operating temperature	Without battery: -20 to 70 degrees	
Sensor	6-axis acceleration sensor	
	Main cable port: 8*Din(Max 8*Din) + 2*Dout(Max 8*Dout) + 2*AD(Max	
I/O port	6*AD) + 1*Speed_IN + 1*1-wire + 2*RS485 + 1*CAN + 1*DC_5V + 1*DC_12V	
	Other interfaces: 2-way RS232, 1-way ACC	
Dimensions	Dimensions: 120*154*43mm	
Weight	740g (excluding accessories)	
Certification		
CE certification		

Protocol

Meitrack Protocol (CCE) RTMP (Audio Video Transport Protocol, also compatible with Meitrack's Audio Video Private Transport Protocol)

3 Main Device and Accessories

3.1 Main Device



MD600



IO cables



Power cord/ACC cord



Lock key



CD download card



USB configuration cable





WIFI antenna

4G antenna



GPS antenna



Bluetooth antenna



M.2 Screw

Standard	Quantity	Remarks
Host	1	MD600
Power cord/ACC cord	1	3PIN with 20cm of wire
IO cables	1	24PIN with 20cm thread length
CD download card	1	Neutral packaging does not come standard
		Standard Type C connector cable
USB configuration cable	1	For connecting PC configuration with
		upgrades
Key lock	2	For locking SD and SIM cards
4G antenna	1	4G signal gain
GPS antenna	1	GPS signal gain
WIFI antenna	1	WiFi signal gain
Bluetooth antenna	1	Bluetooth signal gain
M.2 Screw	1	Used to fix the M.2 SSD hard disk
Total	12	

3.2 Optional Accessories

3.2.1 MDVR Camera options





ADAS Camera(ACP603)

ADAS Wide Dynamic Range Camera (ACP604)



BSD Side-mounted Camera (ACP301)





BSD Overhead Camera (ACP504)



Install the left and right blind areas of the vehicle.

Install blind spots in front and rear of the vehicle

Waterproof Standard Camera (Outdoor)

Side-mounted Waterproof Camera 720/1080P (ACA301)

Waterproof Mini Camera 1080P (ACA105)





Waterproof Square Camera 720/1080P (ACA501)



Waterproof Square Camera 1080P (ACA503)



Non-waterproof Standard Camera (Indoor)

Metal Shell Miniature Snail Camera 720/1080P (ACA303)





Camera extension cable (default: 3M or 5M)



Note: Standard camera cable length is generally 50cm, please adapt the corresponding camera extension cable.

3.2.2 Additional options

Optional Bluetooth external accessory				
Bluetooth temperature and hu	midity sensor	Bluetooth beaco	Bluetooth beaco	
(AST101)		(AB401)	(AB402)	
		ACTIVICION		
Other optional external access	sories			
A53 Fuel sensor (voltage AD)	A52 digital temperature se	nsor Relay	iButton	
Ultrasonic Fuel Sensor	Ultrasonic Fuel Sensor	Ultrasonic Fuel Sensor	Ultrasonic Fuel Sensor	
ASUF103 (range 100cm)	ASUF104 (range 250cm)	ASUF105(range 400cm;	A76 (range 100cm,	
		AD analog)	Without AD analogue)	
Microphone (A58) + speaker	RFID reader	High temperature	Sound and Light Alarm	
(A57) + connector cable		batteries(400mA)	(AAL101)	
		(*11000*1804) (* 1500*1404		





4 Host interface

4.1 Appearance and interface



No.	Interface	Signage	Description	
	1.4G indicator light	4G	Green, network status indicator	
	2.REC indicator	REC	Green, video status indicator	
	3.PWR indicator	PWR	Red, power supply status indication	
1	4.GPS indicator	GPS	Blue, GPS status indicator	
	5.ALM indicator	ALM	Orange, video loss status indication	
	6.WIFI/ Bluetooth		Green, WIFI& Bluetooth status indicator	
	indicator	VVIFI		
Micropho	Microphone/speaker	Audio	For external microphone \ speaker +GSM two-way	
2	port	Audio	calls	
3	Infrared interface	IR	Infrared receiver (reserved function)	
1	Debug interface	debug	Connect the PC side for parameter	
4			configuration	
5	SIM card	SIM	SIM card port	
6	Lid detection	NA	Start work only when the lid is detected to have	



	switch		been installed
7	SD slot	SD	2*SD card loading port
0	Flasterialaska	Diel: /leal: the size	Lock the SD\SIM card, which is also the on/off
8	Electronic locks	Pick/lock the sign	machine for the device
	Ethernet with USB		Used to connect Ethernet for data transfer or
9	interface	ETH&USB	parameter configuration. USB is used to upgrade
			the device and supports USB3.0



No.	Interface	Signage	Description
			Red wire power 11.4~40V, rated 12V/3A; The black wire is
1	Power port	PWR&ACC	GND.Yellow wire is connected to ACC high level detection, 3V
			effective, up to 40V
2	Carriel Dant 4	DC222 4	RS232_1: Used for external RFID, ultrasonic oil sensor and other
2	Serial Port 1	K5232_1	peripherals
3	Serial port 2	RS232_2	RS232_2: For extended connection peripherals such as G_MOSE
	24PIN main		8*Din(Max8*Din)+2*Dout(Max8*Dout)+2*AD(Max6*AD)+1*Speed
4	cable	IU&AD&KS485&CAN	_IN+1*1-wire +2*RS232+2*RS485+1*CAN+1*DC_5V+1*DC_12V
	4G antenna	10	40
5	port	46	Description Red wire power 11.4~40V, rated 12V/3A; The black wire is C GND.Yellow wire is connected to ACC high level detection, 3V effective, up to 40V RS232_1: Used for external RFID, ultrasonic oil sensor and other peripherals RS232_2: For extended connection peripherals such as G_MOSI &CAN 8*Din(Max8*Din)+2*Dout(Max8*Dout)+2*AD(Max6*AD)+1*Sp
	Bluetooth		
6	antenna	BLE	Bluetooth antenna port
	interface		
	WIFI antenna	14/15/	
/	interface	VVIFI	wifi antenna access point
0	GPS antenna	CNCC	
8	interface	GNSS	GPS antenna access point
9	Video output	AV-OUT	Vehicle video CVBS output: Resolution -PAL 704*576,NTSC 704*480
10	Video output	VGA	Vehicle video VGA output: Default output resolution 1280*720.
		AV- IN1~6&USB	Label DMS AV-IN1 on the DMS 4-core aviation head
11	1.AV-IN1	Backup	wire
	2.AV-IN2	&SPK&MIC	Identify ADAS AV-IN2 on ADAS 4-core aviation head
Copyright ©	2024 Meitrack Grou	up All rights reserved.	



	the wire	
3.AV-IN3	Label AV-IN3 on the wire	4 core aviation head
4.AV-IN4	Label AV-IN4 on the wire	4 core aviation head
5.AV-IN5	Label AV-IN5 on the wire	4 core aviation head
6.AV-IN6	Label AV-IN6 on the wire	4 core aviation head
		Intercom handle for external and
7 М/С 8		monitoring platform voice intercom
	MIC & SPEAKER	input/output device (A95 intercom
SPEAKER		handle) Default: 4-core aviation
		head
		Disaster recovery interface or USB
8. Backup	Backup	interface default: 5 core aviation
		head

4.2 I/O Interface Definitions

No	Label	Color	Pin color	Function Description
1	RS485_1A+	Purple/White		485+ signal (MCU)
2	RS485_1B-	Purple		485-Signal (MCU)
3	AD1	Blue		12-bit analogue input 1 with valid input voltage values of 0-30V For connection of external sensors, e.g. fuel sensor
4	SPEED_IN	White/Black		Connect speed signal wire
5	IN8/OUT8	White/Purple		Digital input 8, default positive trigger, can be configured to negative trigger, or OUTPUT8
6	IN7/OUT7	White/Blue		Digital input 7, default positive trigger, can be configured to negative trigger, or OUTPUT7
7	IN6/OUT6/A D6	White/Green		Digital input 6, default positive trigger(Connect the right turn signals), configurable as negative trigger, or AD5 (0 to 30V) analogue input or OUTPUT6; Connect vehicle right turn signal
8	IN5/OUT5/A D5	White/yellow		Digital input 5, default positive trigger (Connect the left turn signals), configurable as negative trigger, or AD5 (0 to 30V) analogue input or OUTPUT5
9	IN4/OUT4/A D4	White/Orange		Digital input 4, default positive trigger, configurable as negative trigger, or AD4 (0 to 30V) analogue input or OUTPUT4
10	IN3/OUT3/A D3	White/Red		Digital input 3, default positive trigger, configurable as negative trigger, or AD3 (0 to 30V) analogue input or OUTPUT3
11	OUT2	Yellow/Brown		Output control 2. default low level trigger (0V), open drain output (OC) when invalidOutput open-drain (invalid) voltage tolerance: 40 volts maximum, 400 mA maximum current,can be set to high level trigger and PWM trigger mode,can be connected to an external relay for remote disconnection of vehicle fuel/engine power etc.

Output control 1. default low level trigger (0V), open drain output

12 OUT1		Yellow/brown		(OC) when invalid Output open-drain (invalid) voltage tolerance: 40 volts maximum, 400mA maximum current, can be set to high level trigger and PWM trigger mode, can be connected to an external relay for
				remote disconnection of vehicle fuel/engine power etc.
13	DC_5V	Pink/yellow		5V DC output; MAX current 750MA, software controllable shutdown
14	GND	Black		Ground line
15	15 606/014	Grey	_	Emergency alarm input line Digital input 1, configurable for positive
15	303/111			and negative triggering (default is SOS button, negative trigger)
16	RS485_2B-	Purple/Green		485-signal (RS485 interface)
17	RS485_2A+	Purple/Yellow		485+signal (RS485 interface)
18	GND	Black		Ground line
19	CAN_L	Orange		For connection of CANBUS peripherals
20	CAN_H	Orange/White		For connection of CANBUS peripherals
21	GND	Black		Ground line
22	452	Blue/Brown		12 bit analog input 1, effective input voltage value 0-30V for
ZZ	ADZ			connecting external sensors, such as oil level sensors, etc
22		3 5000		For connecting temperature sensors, iButtons and other 1-Wire
23	T-MAIKE	green		accessories
24	DC_12V	Pink/orange		MAX current @1.35A, software controlled off

4.3 Power interface Definition

1	2	
Power (+)	GND(-)	
3		
ACC		

No.	Color	Function Description
1	Red	Power supply positive input
2	black	GND
3	White	ACC signal input

4.4 RS232 interface definition



Note: RS232 is used to connect ultrasonic oil sensors, RFID and other peripherals.

4.5 AV-OUT Definition





4.6 VGA interface definition



4.7 AV-IN1 to 6 Interface Definition



Note: The interface between ADAS and DMS can be set through the MM.



4.8 Backup interface Definition





No.	Description
1	INT
2	GND
3	USB DP
4	USB DM
5	VCC +5V

4.9 MIC&SPEAKER interface definition





5 LED indicator



Identifier	Meaning	Color	Status	Description
	Power LED indicator	Red	Steady on	The ACC is on and the device is locked.
PWR			Steady off	The ACC is off and the device is
			Steady off	unlocked.
			Flash (frequency of	The storage disk is detected and there is
			writing data)	written audio and video data
REC	SD card / WI.2 Video	green	anco ovoru E cocondo	The storage disk has been detected, but
	Instructions		once every 5 seconds	no data has been written
		ctions once every 5 seconds r Steady off r Once every 5 Seconds Blink fast Steady off r Steady off r Steady off r Once every 5 seconds r	No SD card is detected.	
			anao ayony E Cacanda	There is a 4G module, but no data is
46		Green	once every 5 Seconds	sent.
46	4G LED Indicator		Blink fast	4G data is sent and received normally.
			Steady off	There is no 4G module.
		orange	Steady on	All AV inputs are not connected to
				cameras.
			once every 5 seconds	One AV input is not connected to a
				camera.
			twice every 5 seconds	Two AV inputs are not connected to
				cameras.
			2 times avery 5 Seconds	Three AV inputs are not connected to
ALM	Video loss status		3 times every 5 seconds	cameras.
			1 times every 5 Seconds	Four AV inputs are not connected to
			4 umes every 5 seconds	cameras.
			5 times every 5 seconds	Five AV inputs are not connected to
			5 times every 5 seconds	cameras.
			6 times every 5 seconds	Six AV inputs are not connected to
				cameras.
			7 times every 5 seconds	Seven AV inputs are not connected to



				cameras.
			Steady off	All AV inputs are connected to cameras.
				There is a WiFi module, but no data is
	WIFI/BT LED	Crear	once every 5 seconds	sent.
WIFI/BI	indicator	Green	Blink fast (once every 0.1 seconds)	WiFi data is sent and received normally.
			Steady off	There is no WiFi module.
	GPS LED indicator	Blue	Steady on	A button or an input is triggered.
			Blink fast (once every 0.1 seconds)	The MDVR is being initialized, or the
				battery power is low.
GPS			Blink fast (0.1 seconds on and 2.9	A GPS signal is received.
			seconds off)	
			Blink slowly (1 second on and 2	No GPS signal is received.
			seconds off)	

6 AI alarm function

The specific list of violation operations and the description of the corresponding Chinese and English

voice alerts a	re as follows:	
Camera	Alarm type	Prompt voice in English
	Phone calls	No phone call
	Smoking	No smoking
	fatigue	Attention, drowsiness detected
	Yawning	Please stay awake
DMS	Turn your head left and right, up and down	Please face forward
	Face lost	Please return to the seat
	Block the lens	Do not block the DMS lens
	Wear sunglasses	Do not block the DMS IR
	Please wear your seat belt	Please fasten your seat belt
	left Lane departure	Watch out lane departure
	Right lane departure	Watch out lane departure
ADAS	Watch out for cars ahead	Watch out for the front vehicle
	keep a safe distance	Keep a safe distance
	Watch out for pedestrians	Watch out for pedestrians

Note: If you need to use the AI camera to detect the alarm voice function, you must have the interphone

handle or display screen as the AI alarm voice output.

Alarm Tuna	Trigger speed	Sensitivity		
Аалл туре	(Default)	High	Medium	Low
Left lane departure	> 50	Sensitivity: 0.3	Sensitivity: -0.3	Sensitivity: -0.7
Right lane departure	> 50	Sensitivity: 0.3	Sensitivity: -0.3	Sensitivity: -0.7

Trigger conditions and sensitivity



Forward Impact			T TO 0.0	TTC 07	
Warning	> 30	110 = 4.05	11C = 3.6S	110 = 2.75	
Pedestrian impact	× 20	TTD 2.0	TTD = 2.54	TTD 2.0	
warning	> 30	110 = 3.05	110 = 2.55	110 = 2.05	
Distance Detection	> 30	TTD = 2.0s	TTD = 1.6s	TTD = 1.2s	
Smoking	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
SITIOKITIg	> 10	2s	3s	4s	
Calling	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
Caning	> 10	2s	3s	4s	
Distraction Warning	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
Distraction warning	> 10	2s	3s	4s	
Droweinose	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
Drowsmess		2s	3s	4s	
Vowning	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
Tawining		1.5s	2s	3s	
Driver Absence	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
Detected	> 10	2s	5s	8s	
Cost bolt not fastand	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
Seat beit not lastened	> 10	2s	5s	8s	
IP block	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
IN DIOCK	> 10	2s	4s	6s	
DMS comora covered	> 10	Alarm Trigger Duration:	Alarm Trigger Duration:	Alarm Trigger Duration:	
	> 10	5s	10s	15s	

6.1 ADAS Function

6.1.1 Lane Left Deviation Alarm

Real-time identification of lane deviation behavior during driving. If there is unintentional lane deviation behavior, the driver will be reminded to ensure driving safety.

Note: The left and right turn signal wires must be connected in the vehicle, and the turn signal must be activated before turning; otherwise, turning may trigger a false lane deviation alarm.





6.1.2 Lane Right Deviation Alarm

Real-time identification of lane deviation behavior during driving. If there is unintentional lane deviation behavior, the driver will be reminded to ensure driving safety.

Note: The left and right turn signal wires must be connected in the vehicle, and the turn signal must be activated before turning; otherwise, turning may trigger a false lane deviation alarm.



6.1.3 Front impact warning

Real-time identification of the relative speed between the vehicle and the vehicle in front during driving. The driver will be reminded when a impact is likely to occur, ensuring sufficient emergency braking time.



6.1.4 Pedestrian Impact Warning

During driving, real-time identification of pedestrians, bicycles, and motorcycles in front of the vehicle. If there is a potential impact risk, the driver will be reminded to ensure sufficient emergency braking time.



Copyright © 2024 Meitrack Group All rights reserved.

6.1.5 Distance Detection

When the vehicle is moving at low speed, it identifies the relative speed between this vehicle and the vehicle in front. When there is a potential impact risk, it alerts the driver to maintain a safe distance.



6.2 DMS Function

6.2.1 Smoking

Identifies the driver's smoking behavior during driving and issues a warning to ensure driving safety.

Note: Smoking alarms may produce false positives easily. When the driver makes movements similar to smoking, such as resting their chin on their hand or eating and drinking, false alarms may occur. You can collect false alarm videos and provide them to us to optimize the AI algorithm.



6.2.2 Calling

Identifies the driver's mobile phone call behavior while driving and issues a warning to ensure driving safety.





6.2.3 Distraction Warning

Identifies the behavior of the driver not looking at the road ahead (looking around, looking down for something, etc.) and triggers an alarm to ensure driving safety.



6.2.4 Fatigue Driving Alarm (Eyes Closed)

Identifies the driver's fatigue state (eyes closed) and issues a warning to ensure driving safety.



6.2.5 Yawning

Identifies the driver's fatigue state (yawning) and issues a warning to ensure driving safety.





6.2.6 Driver Absence Detected

Detects that the driver may be leaving and issues a voice reminder.



6.2.7 Seat Belt Detection

The device identifies the seatbelt status and issues a warning to the driver when the seatbelt is not fastened while driving to ensure driving safety.



6.2.8 IR block

The device has detected that the driver is wearing sunglasses, which prevents it from detecting whether the driver's eyes are closed.





6.2.9 Covered

The device has detected that the DMS camera is covered and will issue a voice warning to the driver.



7 Server Configuration Steps

Single Server, Dual Server, JTT 808\JTT 1708 Server MS06: IP: MS06.trackingmate.com Port: 6006 JTT 808\JTT 1708 MS06: IP: MS06.trackingmate.com Port: 8506

7.1 Single Server

First, click Tracking Settings (1), then enter the MDVR platform IP (2) and port (3), confirm the selection of TCP Connection (4), then click Set (5).

Meitrack Manager 6.0.6.8								_	
Basic Basic Tracking (1)	GPRS Tracking Para Setting GPRS IP/Domain Backup IP/Domain GPRS Timezone(mins)	Close T 67.203.15.7] 0	CP UDP 2 ~ 5	Port 50005 (3) Port		Server 2 GPRS 2 IP/Domain 2 Port 2	Close O TCP	O UDP	
Event	PPPoE Settings APN User Name Password						Check Netv	vork Information	
Maintain «	Tracking Setting						(5) Set	
Network	Common protocol setti	ng							_
-	Server setting		Registration inform	nation					
Tire press	IP/Domain name		Province ID	0	City/County ID	0			
	Port		Manufacturer ID		Device model				
Video		•							
	GPRS	Close ~	Device ID	861940076401434	License plate color	~			
Other	SMS Tracking		License plate					Set	
	SMS Password	0000	Auto	Report Times 0					
			-		•				
	Option COM	Tool Upgrade	e	Synch	ronize Parameters	Factory	Load Settings From File	Save Settin	igs To File
[Authorize]Set device setting	s succeed!						ID Li	orary Version:202	25.04.25.02

7.2 Dual Server

First, click Tracking Settings (1), then enter the MDVR platform IP (2) and port (3), confirm the selection of TCP Connection (4), then enter the MS06 platform IP (5) and port (6), confirm the selection of TCP Connection (7), and finally click Set (8).

Basic	GPRS Tracking Para Setting		•			Server 2		
Tracking	GPRS	Close OT	CP UDP	50005		GPRS 2	Close TCP UDP	
	Backup IP/Domain	67.203.15.7) ~	Port SUUS (3)		Port 2	6006 6	
GeoFence	GPRS Timezone(m	ins) 0	4 					
嫴 Event	PPPoE Settings						Check Network Information	
	User Name							
Peripheral	Password							
Maintain «								
-1	Tracking Setting						(B) Set	
Network	Common protocol se	etting						
Tire press	IP/Domain name		Province ID	0	City/County ID	0	1	
	Port	÷	Manufacturer ID		Device model			
Video	GPRS	Close ~	Device ID	861940076401434	License plate color			
Other			License plate					
~							Set	
IA	SMS Tracking							
	SMS Password	0000	Auto	Report Times 0	÷			
	Option C	OM Tool Upgrad	Ð	Synch	onize Parameters	Factory	Load Settings From File Save Settin	ngs To
having 10 at daylog antitin	as succeed!						ID Library Version:202	25.04.2

7.3 JTT 808\JTT 1708 Server

First, click Tracking Settings (1), then enter the MDVR platform IP (2) and port (3), confirm the selection of TCP Connection (4), then click Set (5).

Meitrack Manager 6.0.6.9		- 🗆
Basic	Password	
	Tracking Setting	
	Protocol Auto Event Report ~	
GeoFence	GPRS Mode 0 V Number of GPRS tracking reports 0 GPS Log Interval(secs) 0	
Event	GPRS Interval 30 🔹 X 1 🔹 secs GPRS Interval(ACC Off) 60 🔅 X1 secs	v
Peripheral	Common protocol setting Secure setting Registration information	Set
_	TP/Domain nam 2 MS06 trackingmate c	
Maintain "	Port	
Network	GPRS 4 TCP V Device ID 861940076401434 License plate color V	
Tire press		Set

8 APP (MT Manager+)

Search for the "MT Manager +" app in the Google Play Store or App Store on your mobile device, then download and install it.



MT Manager+





https://apps.apple.com/cn/app/mt-ma nager/id1640858688



https://play.google.com/store/apps/details?id= com.meitrack.mm.all

8.1 APP connection to MD600

Open MT Manager+, tap the Bluetooth icon, select the connect button corresponding to the device IMEI number, then tap the ON button to activate the device WiFi hotspot.

1:56 #	送'레'배 � @ +	1:59 #	194 °al °al 📚 😰 +	2:08 🔹 …	識 🖉 Tai Tai 🙊 😰 f	2:00 😑 …	an su su su	D.\$
Meitrack		÷		÷		÷	My task	
				<u> </u>		Device status	Paramete debugging	r on
Connection Installation	Product	Q Please enter IMEI/MAC	etooth connection		WIFI connection		duct model:MD600 l:861940076401434	
instructions instructions Meitrack Manager APP acc Selecting the connection method	introduction essory binding :	Connecting Co the host Co	onnecting the			 2025/05/12 Upload frequ Sleep mode: 	14:00:39 Jency:5Second Disable sleep mode Obtain bound accessory in	fo
		2025/04/14 11:10:54 300 861940076401434 2025/05/12 13:56:30	i connect	Please confirm whether	the Wi-Fi signal	Hotspot Name : Enable :OFF	mdvr_861940076401434	
BT Bluetooth connection cor	WIFI WIFI	869223044841904	4 i connect	to which the mobile pho is the hotspot of the dev	rice			
Home	Me					-		

Tap Confirm, connect the mobile device to the MD600 WiFi hotspot, tap connect, then tap Parameter to enter the settings interface.



MEITRACK_MD600_User_Guide

2:01 🔹 …	118 °ai °ai 📚 😰 4	2:39 🖕 …	読み"』『11 n n n n n n n n n n n n n n n n n n	2:43 😐 …	₩. Ç "al "al % @) +	2:44 😐 …	雄, 名 73	al "al 🙊 💽 f
÷	My task	\leftarrow	8	÷		← ◇	Preview mode	=
=	9 💠	WLAN				ां॥ 🎗 🖳 📚 :	8	24.1v/0%
Device sta		WLAN						
	Product model:MD600	网络加速	>		WIFI connection			
	0008		434 📧 🖬 💽					
 2025. Dploa 	d frequency:5Second	已保存的WLAN						
° Sle	Tip		56 🔒 >				_	
Hoter	Do you want to connect to WIFI now?	选取附近的WLAN	O				(\mathbf{b})	
Enabl	Cancel Confirm	🛜 Meitrack-FAE	≙ >					
	OFF		124245 🗎 🕥	Current SSID: "n	ndvr_861940076401434"			
		meitrack_check	>	Setting WIFI	connect			
		र qrw2025 246/56						
		ন্থ Meitrack-IT						
		wifi-test_5G 📧						
		🗟 ChinaNet-GrpF						(i) Parameter
		© V7DVI				Rect	Turny Al	roiometer

Note:

1. ACC must be activated when the APP connects to the MD600.

2. When the device WiFi hotspot is enabled, the device cannot upload data via WiFi.

8.2 Configure parameters using the MT Manager + APP

Tap the gear icon to switch to the parameter settings interface; Enter 'admin' in the account field, use the default password '0000', then tap Confirm:





9 AI alarm settings

9.1 Indoor testing: enable simulated speed

Usage: Indoor testing of ADAS and DMS with simulated speed; set the simulated speed as shown in the figure below:

2:47 😑 …	887 & "all "all 📚 😰 🗲		
÷	◇My settings		
or the second se	ogSetup		
Simulated ve	Enable 🥑 Turn on 🗌 Turn Off		
	speed(km/h) 50	Parameter	Description
	Time limitation(min)	Enable	Toggle option for simulated speed
		Speed	The device automatically simulates the current driving speed to
		(Km/h)	trigger specific conditional event feedback.
		Duration	Duration for which the simulated speed remains active to prevent
		(min)	forgetting to disable it, thereby avoiding false alerts during use.
	Setting		
Preview	Recording Ai Parameter		

Note: The simulated speed will be disabled after the device restarts.

9.2 Calibration of ADAS, DMS, BSD, and facial recognition via the APP.

9.2.1 Installation and calibration of the DMS camera.

The DMS should preferably be installed directly in front of the driver at a relatively high position, with an angle not exceeding 30 degrees. The main unit should not be higher than eye level, nor lower than 30 degrees below the eye. The lens distance from the eyes should be between 60 cm and 90 cm. Additionally, the maximum horizontal angle must not exceed 30° to the left or right of the driver. An example image is shown below:



Calibration adjustments can be performed via MT Manager +, as shown in the following image: Copyright © 2024 Meitrack Group All rights reserved.

G meitrack

The blue box represents the fixed DMS detection area; the red box indicates a detected face outside the range; the green box indicates a detected face within the range and functioning properly. When the primary facial features are fully enclosed within the blue box and the face frame turns green, calibration is successful.



9.2.2 Installation and Calibration of the ADAS Camera

Install as close to the center of the windshield as possible without obstructing the driver's field of view. An example image is shown below:



Note: After installation, adjustment and calibration must be performed using MT Manager+ to enhance ADAS accuracy. There are three methods to calibrate ADAS. Once the ADAS position is confirmed, you may proceed with calibration: Method One: On the touchscreen, drag the red horizontal line to the position where the horizon disappears (the green lines Copyright © 2024 Meitrack Group All rights reserved. indicate the range). The yellow vertical line represents the road's center line.

Second method: Click the button and drag the red horizontal line to the position where the sky and ground disappear (the green line indicates the range). The yellow vertical line represents the road centerline.

Third method: Configure the ADAS calibration parameters and click Save to apply.



9.2.3 BSD Camera Installation and Calibration

(1) The screen will automatically switch to the BSD camera. Use your finger to adjust the four lines on the screen to define three

- zones. By default, red represents a high-risk area, yellow represents a medium-risk area, and green represents a low-risk area.
- (2) Only one save is required; click Save to apply the settings.
- (3) Then click the upper right corner to switch to the other BSD camera and repeat the procedure.
- (4) Once all BSD calibrations are completed, testing may commence.





9.2.4 AI Function Video Channel Configuration

In MM, click AI Settings (1), select the desired AI function channel number (2), then click Set to apply the configuration (3).

Meitrack Manager 6.0.6.8		- 0	×
Basic	Baselne x2 120 ···· y2 200 ···· Baselne x2 600 ···· y2 660 ···· Baselne x2 1160 ···· y2 610 ···· x3 200 ···· y3 400 ···· Medium-risk Level X1 800 ···· y1 60 ···· Installation Method Head Up: Left Front ·····		
Tracking	x4 100 🔹 y4 600 🔹 Baseline x2 860 🔹 y2 660 🔹 Warn: The device needs to be rebooted to take effect after changing the installation method.		
GeoFence	AI general configuration	Set	
Event	V DMS Function V DMS Warning Thumbnal V ADAS Function ADAS Warning Thumbnal V Front BSD Function V Front BSD Warning Thumbnal V Rear BSD Function V		
Peripheral	Image: Left BSD Function Image: Left BSD Warning Thumbnal Image: Right BSD Function Image: Right BSD Warning Thumbnal Image: Left BSD Warning Thumbnal Image: Right BSD Warning Thumbnal Image: Right BSD Warning Thumbnal		
Maintain «	DMS Channel 2 V Front BSD Channel 3 V Redet to be rede		L
Network	Rear BSD Channel 4 v Left BSD Channel 5 v Right BSD Channel 6 v		
Tire press	Face Information		ı.
Video	Driver ID Driver Dicense		
Other			
â AI			
	Option COM Tool Upgrade Synchronize Parameters Factory Load Settings From File Sav	e Settings To	File
[Authorize]Set device settings	ID Library Vers	cion:2025.05 (17 01

10 Installation Guide

10.1 Installation of SD Card and SIM Card

(1) Insert the SD Card and unlock the SD Card lock using the key.



(2) Install the SIM Card and SD Card, then lock the SD Card lock (Note: After closing the card cover, use the key to lock it to ensure proper startup of the video function).





10.2 Hard Drive Installation

(1) Unscrew the four screws on the top of the enclosure and open the cover.



(2) Firmly insert the hard drive into the slot, secure it with screws, and then reassemble the enclosure.



10.3 Install External Devices

- (1) Connect six cameras, the display screen, GPS antenna, GSM antenna, WIFI antenna, and power cable.
- (2) Connect the power cable to PWR.
- (3) Connect cameras 1 through 6 to AV IN1 through IN6; connect the display screen to AV-OUT/VGA.
- (4) Connect the intercom handset to MIC & SPK.
- (5) Connect the WIFI antenna (otherwise WIFI will not function properly), GPS antenna, and 3G/4G antenna.





10.4 Powering the device

(Note: During testing, the recording function will only be activated when the ACC is connected to the positive power supply and the SD card cover is closed.)

Typically, the device should be connected to the vehicle's constant power line or engine line. Prior to installation, it is necessary to use a multimeter to identify the locations of these two wires within the vehicle. First, locate the constant power line and engine signal line in the vehicle's fuse box, then verify these wires using a multimeter according to their characteristics.

Connect the multimeter's black probe to ground and the red probe to the vehicle battery line. Measure the voltage with the engine off and ignition on to confirm it is approximately 12V (or around 24V for heavy vehicles). If the voltage remains stable, this can be considered the battery line.

Connect the black probe of the multimeter to ground and the red probe to the vehicle's engine signal line. Measure the voltage during vehicle ignition to verify whether it is approximately 12V (for larger vehicles, around 24V). Observe if the voltage drops to 0 when the vehicle is turned off.



After confirming the constant power and engine signal lines, you may select the appropriate wiring method for installation. Copyright © 2024 Meitrack Group All rights reserved.



Different wiring methods:

Method One:

(If recording is required only during ignition and should stop after shutdown, while the device's MCU remains operational for positioning, this method can be used.)

Connect the MDVR's ACC detection line to the vehicle's engine line, and connect the MDVR's power line to the vehicle's constant power. In this configuration, the MDVR's video module will only power on and begin recording when the engine is running.



By setting the power-off delay time, the video module is allowed to continue operating for a period after the vehicle is turned off, recording video data for a short duration post shutdown.

System Power Settings		
Power off Deby(secs)	10	
Power on Delay(secs)	10	-

Furthermore, if special circumstances require remotely activating the device's video module while the vehicle is off, the BCA command can be used to forcibly power on the video module for a limited time.

Method Two:

(This method can be used if the device only needs to power on after the engine starts and fully shut down after the engine is turned off.)

Connect both the MDVR's power line and ACC line to the vehicle's engine line. This ensures the device fully powers down when the engine is off, and both the MCU and video module start simultaneously when the engine is running.



This method does not consume the vehicle battery's power; however, when the vehicle is turned off, the device will completely shut down, and the video module can only record footage prior to engine shutdown.

Method Three:

(If continuous recording is required regardless of engine status, and video recording must be uninterrupted, this method can be used.)

Connect both the MDVR's power line and ACC line to the vehicle's constant power (battery line). In this way, even when the engine is off, the device will continue to consume battery power, which carries a risk of depleting the battery. Therefore, this method is generally not recommended for customers. If the user is only conducting indoor testing, this wiring method can be used to keep the device's video module continuously operational.



11 MD600 Function Settings,

11.1 Set Overspeed, Harsh acceleration\Harsh Braking, and Impact Alarm

(1) Overspeed: In the MM overspeed event settings, the alarm method can be configured as SMS, telephone, or GPRS. Set the overspeed threshold and alarm detection time: When the device detects that the speed exceeds the threshold and remains above it for the specified detection time, an overspeed alarm will be triggered.

Aut	lonze									COPC	CTD.	100	Tio	Puttor
	Event	Alarm Header	Setting	SMS	Call	SMS	Call	SMS	Call			LUG		buzzei
	Input 7 Active	In7 Active								~	~			
	Input 8 Active	In8 Active								\checkmark	~			
	Input 1 Inactive	In1 Inactive								\checkmark	~			
	Input 2 Inactive	In2 Inactive								\sim				
	Input 3 Inactive	In3 Inactive								~	~			
	Input 4 Inactive	In4 Inactive								~	~			
	Input 5 Inactive	In5 Inactive								~	~			
	Input 6 Inactive	In6 Inactive								~	~			
«	Input 7 Inactive	In7 Inactive								~	~			
	Input 8 Inactive	In8 Inactive								~	~			
	Low External Battery	Low Ext-Battery	\$							~	~			
	Speeding	Speeding		-		-	-			~	~			
	Enter Geo-fence	Enter Fence	Alarm	Speed(km	/h)	(1)	50	÷)		\checkmark	\sim			
	Exit Geo-fence	Exit Fence	Detect	ion Time(secs)	2	3	•		\sim	~			
	External Battery On	Ext-Battery On]		\checkmark				
	External Battery Cut	Ext-Battery Cut]		\checkmark				
	GPS Signal Lost	GPS Signal Lost]		\sim	\sim			
	GPS Signal Recovery	GPS Recovery]		~	\sim			
														Set

(2) Harsh acceleration\Harsh Braking: In the MM Harsh acceleration and Harsh Braking event settings, the alarm method can be configured as SMS, telephone, or GPRS.

For Harsh acceleration\Harsh Braking events, you can set (1) initial speed, (2) acceleration\deceleration threshold, and (3) alarm duration;

(1) Initial speed: The initial speed value that triggers Harsh acceleration or Harsh Braking;

(2) Harsh acceleration/deceleration value: Sets the trigger threshold for acceleration or deceleration;

③ Detection time for triggering Harsh acceleration/deceleration: Within this time frame, the acceleration or deceleration value reaches the trigger threshold.

		Fuent	Ahrm Handar	Cotting	130369	97104					GPRS	FTP	Log	Tip	Buzzer	Spe
er. 5		Event	Aannineader	secong	SMS	Call	SMS	Cal	SMS	Call						
king		Output 5 Inactive	Out5 Inactive									~				1
		People Counter									\sim	\sim				
ence		Harsh Braking	Harsh Braking	\$	~						\sim	\sim				
		Harsh acceleration	Fast Accelerate	*								X				1
nt		Idle Overtime	Idle Overtime	Accelera	ate Initial V	/elocity(k	.m/h) (1 60	2		~	Z				
		Idle Recovery(Recovery from	Idle Recovery	Accelera	ate Alarm	Value(km	/h/sec) (2 10	\$		~	~				
ieral		Fatigue Driving	Fatigue Driving	Accelera	ate Alarm	Duration(secs)	3 5			~	~				1
		Enough Rest after Fatigue Dr	Enough Rest	*Modi	fving thes	e parame	ter might	cause fa	lse alarm		~	~				1
ain		Overspeed Recovery	Speed Recovery								~	~				1
		Maintenance Notice	Maintenance								\sim	~				
vork		Output 6 Active	Out6 Active									~				
		Output 7 Active	Out7 Active									~				1
ress		Output 8 Active	Out8 Active									2				1
		Output 6 Inactive	Out6 Inactive									~				1
20		Output 7 Inactive	Out7 Inactive									\sim				1
		Output 8 Inactive	Out8 Inactive									~				1
er		BLE Accs.									~	~				
		GPS Jammed									~	~				1
I	_	E	-												Set	



(3) Impact alarm: In the MDVR impact event settings, the alarm method can be configured as SMS, telephone, or GPRS;

(1) Alarm acceleration: Sets the acceleration threshold that triggers a impact event, unit mg, range 500–65535;

2 Alarm duration: Sets the duration of the impact event, unit 10 ms, range 0–255;

Note: For actual vehicle installation, the device must be firmly secured to the vehicle to ensure more accurate impact alarms. (The default values are identical for both small and large vehicles. If frequent false impact alarms occur during actual use, the impact acceleration threshold can be raised.)

		Event	Alarm Header	Setting	CHIC		CHC		CHC	- C-II	GPRS	FTP	Log	Tip	Buzzer
ing		Temperature Low	Temp Low												
		Full Fuel	Full Fuel												
nce		Low Fuel	Low Fuel												
		Fuel Theft	Fuel Theft									~			
ıt		Reject Incoming Call													
_		Get Location by Call													
eral		Auto Answer Incoming Call													
		Impact	Impact	0							~	×			
ntain		Fuel Filling	Fuel Filling		Accele	rate Alar	m Value(n	ng 1 10	000		2	~			
		Ult-Sensor Drop	Ult-Sensor Drop		Alarm I	Duration(10ms)	26	•		~	~			
ork		Tpms Alarm									~	~			
		Sharp Turn to Left	Harsh Cornering	\$							~				
ess		Sharp Turn to Right	Harsh Cornering	\$							$\mathbf{\mathbf{r}}$	~			
		Output 1 Active	Out1 Active									\sim			
D		Output 2 Active	Out2 Active									~			
		Output 3 Active	Out3 Active									\sim			
r		Output 4 Active	Out4 Active									\sim			
		Output 5 Active	Out5 Active									~			
	_														Set

11.2 Upload Alarm Images and Videos

11.2.1 Configure to trigger alarm photo capture and snapshots;

- (1) Set whether to upload to the FTP Server;
- 2) After triggering the alarm, select which CH to capture photos and record videos;
- (3) "Record" refers to video recording; video recording will start after triggering the overspeed alarm;
- (4) "Snap" refers to photo capture; a photo will be taken after triggering the overspeed alarm;

(5) "Record delay" specifies the duration of video recording after the alarm is triggered. For example, setting it to 10 seconds will record video data 5 seconds before and 5 seconds after the alarm.

E - Davis	Authorize					0														
B= Dasic					GPRS	FTP	Lo	5 Record I	Delay		CH1			CH2			CH3			CH4
		Event	SMS	🗌 Call				10 🗘	sec	Record	Snap	OSD	Record	Snap	OSD	Record	Snap	OSD	Record	Snap
Tracking		Input 8 Inactive						10												
		Low External Battery			\checkmark			10												
GeoFence		Speeding						10	•	3 🖂 🌔	9 🗹									
		Enter Geo-fence			\checkmark			10												
Event		Exit Geo-fence			\square			10												
		External Battery On			\square															
Peripheral		External Battery Cut			\square															
		GPS Signal Lost			\square			10												
🚎 Maintain 🛛		GPS Signal Recovery						10												
		Enter Sleep																		
Network		Exit Sleep																		
		GPS Antenna Cut						10												
Video		Device Reboot			\square															
		Heartbeat			\square															
Tire press		Cornering			\square			10												
<u> </u>		Track By Distance						10												
Other		Reply Current(Passive)																		
		Track By Time Interval						10												

11.2.2 Configure FTP Server

(1) In Network Settings, enable (2) FTP Enable;

Enter ③ Domain Name, ④ Port, ⑤ Username, ⑥ Password, then click Set

Default FTP Server IP: 67.203.15.7; Port: 9876;

The username and password are the same as the MS06 platform account.

Meitrack Manager 6.0.	16.9	
Basic	FTP Setting	
Tracking	IP/Domain 67.203.15.7 90rt 9876 4 User Name 9876 6 6	
GeoFence	Remote Directory 861940076401434 Maximum File Size(MB) 1024	Set
Event	FTP Download Setting	
Peripheral	IP/Domain Port 0 🔄 User Name Password	
Maintain «	Remote Directory	Set
Network 1	Ethernet Settings IP Address 192.168.5.24	
🛞 Tire press	Subnet Mask 255.255.255.0 Preferred DNS Server 222.5.5 Default Gateway 192.168.5.1 Alternate DNS Server 223.6.6.6	Set

Note: Incorrect FTP Server parameter settings will cause images and videos to fail to upload properly to the FTP Server.

11.3 Set the resolution for stored stream video and real-time stream video.

11.3.1 Set the resolution for stored stream video.

Click (1) Video Settings, select (2) Camera Channel and (3) Resolution, then (4) click Set.

MEITRACK_MD600_ User_Guide

¢	OSD Parameter Settings							
ng	OSD Settings 🗹 Lic	ense plate number	LatitudeLongitud	le 🗹 Satellite positioni	ng speed 🛛 🗹 Continuous d	riving time 🗹 Conti	nuous driving m	ileage 🗹 Alarm Info
nce								Set
	Video Encoding Settings	2						
t	Channel 1* Channel 2*	Channel 3 Chan	nel 4 Channel 5* C	hannel 6*				
	Current Camera	FHD(1920*1080)-PAL					
eral	Storage Stream				Live Stream			
	Compression Mode	H.264	\sim		Compression Mode	H.264	\sim	
in "	Resolution	FHD(1920*1080)	· ~		Resolution	CIF(352*288)	\checkmark	
	Bit Rate Type	D1(704*576) HD(1280*720)			Bit Rate Type	VBR(Variable Bit Rate	e) ~	
	Quality	FHD(1920*1080)	3		Quality	high	~	
DIK	Frame Rate(FPS)	25	~		Frame Rate(FPS)	10	~	
acc	Bit Rate(Kb/s)	3072	~		Bit Rate(Kb/s)	251		
	I Frame Interval(secs)	2	~		I Frame Interval(secs)	2	~	
• 1	The disk space require 1500.00 MB/H.	ed for video recordi	ng in channel 3 unit ti	me estimated to be:	The network speed re KB/secs.	quired for channel 3 p	preview video is	expected to be: 31.38
								(4)
er'							1	Refresh Set
	Video Record Cottings							
	Channel 1 Channel 2	Channel 2 Channe	4 Channel 5 Chan	nel 6				
	channel 2	channer 5 channe	re channel 5 chan					

Note: Stored stream video will not be actively uploaded to the FTP Server; it requires a command from the server to retrieve the stored stream video.

C meitrack

11.3.2 Set the resolution for real-time stream video.

Click ① Video Settings, select ② Camera Channel and ③ Resolution, then ④ click Set.

Tracking						Set	
GeoFence	Video Sycoding Settings						
	Channel 1* Channel 2*	Channel 3 Channel 4	Channel 5* Channel 6*				
Event	Current Camera	Disconnected					
	Storage Stream			Live Stream			
Peripheral	Compression Mode	H.265	\checkmark	Compression Mode	H.264	\sim	
	Resolution	HD(1280*720)	\sim	Resolution	CIF(352*288)	*	
Maintain	Bit Rate Type	VBR(Variable Bit Rate)	~	Bit Rate Type	CIF(352*288) D1(704*576)		
	Quality	lowest	\sim	Quality	high	~	
Network	Frame Rate(FPS)	25	~	Frame Rate(FPS)	10	~	
	Bit Rate(Kb/s)	512	~	Bit Rate(Kb/s)	251	\sim	
Tire press	I Frame Interval(secs)	2	\sim	I Frame Interval(secs)	2	~	
Video ①	The disk space require 250.00 MB/H.	ed for video recording in o	channel 1 unit time estimated to be:	The network speed re KB/secs.	quired for channel 1 pre	view video is expected to be: 31.38	
Villeo 🕑						<u>a</u>	
Other						Refresh Set	
	Video Record Settings						
	Channel 1 Channel 2	Channel 3 Channel 4 C	hannel 5 Channel 6				
	Pre-recording Time(s	ecs) 5	(0~900)				

Note: Real-time video can be configured to actively upload video to the FTP Server. To enable this function, please follow the steps below:

(1) Configure the FTP Server first.

(2) Select ①Video Settings, then choose ②Camera Channel, ③Real-time Video Storage (if unchecked, real-time video will not be uploaded), and ④Upload Real-time Video to FTP Server;

MEITRACK_MD600_ User_Guide

롲 Event	Audio format AAC ~
Peripheral	Video Storage And Auto FTP Upload Policy
	Chamel 1 Channel 2 Channel 3 Channel 4 Channel 5 Channel 6
📑 Maintain	(3) Both Sub and sub stream videos will be saved into MDVR.
	④ ☑ Jpload Sub stream video to FTP server automatically.
Network	* Kind reminder: Chick FTP upload to ensure that FTP server information has been correctly configured and enabled.
A Tra arara	
The press	Play audio format
Nidao (1)	Audio format MP3 v Language th

G meitrack

11.4 MD600 Upgrade

Ensure the USB drive contains an img file, for example, MD600-V108.070.img Insert the USB drive into the USB port of the MD600 device





Open the MM software, then click (1), select the upgrade file (2), and click Upgrade (3)

Meitrack Manager 6.0.6.8		- 🗆 X
Basic	Device base info	
	Version Upgrade Firmware X Hw version Upgrade File List	Networks
CasEanca	Device stat UP560-V108:070.mg	
Georence	ACC stat	Flash Status: Normal
Event	GSM Vet by:	Dial status: Success IMSI: 460020286836578
Peripheral	GPSStat	Speed: 0km/h Satellite num: 0
Network	Latitur WIFI	
W Tire press	Stat Bluetoot Get File List Upgrade	G Sensor
Video	Scal "Please do not cut off the power or unplug the U disk or the USB cable during the upgrading,otherwise, the device may be unable to be used normally!	X: 3mg Y: 34mg Z: -1021mg Check
Other	Quick Setting Number of satellites when GPS invalid	
AI	Work Mode 💫 No Sleep 💫 Normal Sleep 오 Deep Sleep	
	Option COM Tool Upgrade Synchronize Parameters	Factory Load Settings From File Save Settings To File
Get the upgrade file list succ	essfully.	ID Library Version:2025.04.14.01

A progress bar will be displayed during the upgrade process

Version MD600	Y6H131V099.066	IMEI	861940076401434	SN	65643020040		Power		0%
Hw version H131		Model	MD600	Net type	WIFI				
Device status									
Status ACC status: ON	Upgrade Firmware Upgrade File List				>	< .	Normal		
GSM Net type: 4G Server 1: 67.2	MD600-V108.070.img UPGRADE.img 3.:					- 12	Success Connected	IMS	I: 46002028683
GPS « Status: Non Latitude: 22.	al 93						0km/h	Satellite nun	n: 0
WIFI Status: Non	al		Estimated exercise				Meitrack-FAE-5G	I	P: 192.168.9.33
Bluetooth Status: Nor	al		Estimated remaining	g time: 10 mini Total	time: 7 seconds	1	2mg Y:	33mg 2	Z: -1036mg
	MD600-V108.070.img U	Ipgrading		Get File List	Upgrade				Cł
Quick Setting	*Please do not cut of ale upgrading,otherwise,	f the power o the device ma	r unplug the U disk o y be unable to be us	or the USB cab ed normally!	le during the				

MEITRACK_MD600_ User_Guide

C Varian MD600 V61112	11/000.066	061040076401474	CN	65642020040	Dower		
Version MD600-Y6H13	ITA033'000 IW	8619400/6401434	SN	65643020040	Power		0%
ing Hw version H131	Mod	MD600	Net type	WIFI			
Device status	(
Status	Upgrade Firmware			×			
ACC status: ON	Upgrade File List				Normal		
	MD600-V108.070.img						
GSM	or drobe.ing						
Net type: 4G					Success	IMSI:	4600202868365
Server 1: 67.203.15.7	Tips		×		Connected		
					-		
GPS							
ain < Status: Normal		Upgraded firmware succes	isful.		Jkm/h S	itellite num:	0
Latitude: 22.50937							
ork							
Status: Normal		确	定 —		Meitrack-FAE-5G	IP:	192,168,9,33
1000			Total time: 8	minutes 2 seconds			
Bluetooth							
Status: Normal					2mg Y: 33m	g Z:	-1036mg
20	MD600-V108.070.img Upgraded	firmware successful.					
			Get File Li	st Upgrade			Chec
er Quick Setting	*Please do not cut off the po	wer or unplug the U dis	k or the USB	cable during the	_		
Enable Buzzer To Alert	upgrading, otherwise, the devi	ce may be unable to be	used normali	Y1			
Chable batter to Alere							
Work Mode O No Sk	eep 🔘 Normal Sleep 🔘 Deep	Sleep					

G meitrack

12 MS06 Platform

12.1 Bind Device

Enter https://ms06.trackingmate.com/loginPage to open the MS06 official platform website, then enter your account and password, and click Login





C meitrack 989999890 0 . **€** 94 α R a : 23 1 0 深圳市 - 0 A C × Ca O total O online 🗄 O online 0 o alarm

Click Device; select Add; fill in the required fields marked with *; then click save ;

Note: If unclear, please refer to the detailed MS06 user manual or contact Meitrack technical support for assistance;

12.2 How to view live video

Click the 1 icon, then double-click the desired 2 video channel to view the video.



12.3 How to view playback video

Then click the icon (1), select the device name (2), click Search (3), select the date (4), choose from the list (5), and click Play (6).



Playback video viewing diagram

Note: For additional features of the M S06 platform, please refer to the M S06 platform user manual.

If you have other questions, please email us at info@meitrack.com, and we will be happy to serve you.