



**HST-M video version
Product manual**

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I.Product introduction

HST-M car driving recorder is a 3G/4G video car wireless terminal developed for passenger vehicles and cargo transportation vehicles.

The whole host includes the main board (including microprocessor, memory, clock, power supply and other components), embedded thermal printer, LCD display, GPS/Beidou positioning, 3G communication, boarding card socket, MPU processing board, GPS antenna, GPRS antenna, spare battery, infrared remote control, connecting cable, connector, chassis and other components.



II. Device function

1. Positioning function

Provide vehicle position, time, speed, direction, altitude and positioning status ect.

2. Communication function

- Support the connection between the primary and backup monitoring center
- Two-way voice call
- One-way receive chinese dispatch short message and send fixed short message
- One-way monitor the sound of the car
- Play the scheduled text into voice

3. Alarm function

- Emergency alarm
- Anti-theft alarm
- Speeding alarm
- Cross-border alarm
- Timeout alarm
- Power failure alarm
- Battery undervoltage alarm
- GPS/BD antenna abnormal alarm
- Fatigue driving, the cumulative driving time of the day expired, entry and exit routes, the driving time of the set route is insufficient\too long, deviation from route alarm, illegal ignition alarm

4. Information collection function

- Driver identification
- Audio information collection
- Image and video information collection
- Billing upload
- Oil consumption collection upload

5. Remote video control

- Video mode
- Video search
- Video channel control
- Remote video retrieval download

6. Human-computer interaction function

Display function

Operation button

7. Travel record function

- Driver information record
- Accident suspect information
- Driving status data
- Fatigue driving reminder and recording function
- Mileage statistics and record
- Installation parameter record
- log recording

8. Print function

9. Oil brake

10. Node, polygon area, rectangular area, route download

11. Software upgrade

12. Backup power supply

13. Blind area

14. CAN bus signal docking

III. Parameter form

Basic parameters	HST-MV-BT10
Processor speed	A7 800MHZ
Built-in FLASH capacity	32MB
RAM capacity	512MB
Post-test	stand by
Positioning function	GPS/BD (*)
Communication system	4G
Alarm function	Support
Drive recorder	Support
Embedded printer	Support
Video input	4ch AHD+1ch IPC
Picture collection	Support at least 2000 sheets
Video output	1ch CVBS
Audio input	4ch + 1ch
Handsfree speaker	support
Hands-free microphone	support
Disaster recovery memory	1 way USB2.0
Text broadcast	support
spare battery	8.4V/600mA
Embedded display	192*64
ACC ignition detection	support
Emergency alarm switch	support
RS-485	1 way (multiplexed with RS-232)

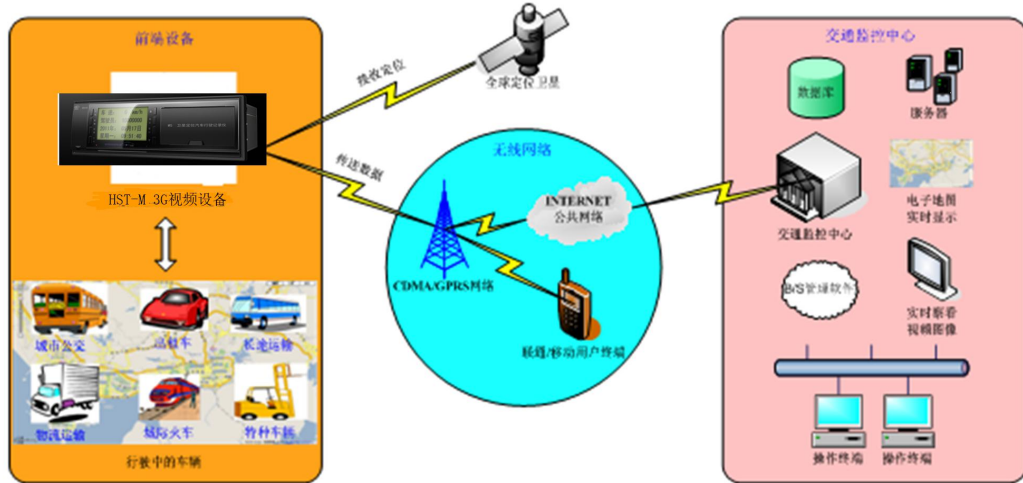
Drive recorder DB9 serial port	1 ch RS-232
USB data export	1 ch USB2.0
CAN interface	2
Driver's sign in /out	IC card
Speed sensor input	support
Locking oil circuit control	support
Switch input	11 ch
Switch output	3 ch
+12V power output	support
+5V power output	support
+VCC power output	support
Operating voltage range	9-32V
Operating temperature	-30°C~+70°C ^①
Storage temperature	-40°C~+85°C
Relative humidity	5%~95%
Atmospheric pressure	86 kPa~106kPa
Dimensions (width * height * depth)	180mm*53mm*103mm
weight	≤850g

IV.Application area

Remote mobile video surveillance relies on the public wireless communication network platform to realize remote video surveillance of vehicles. It can be applied in many fields such as the following:

1. Temporary command decision system
2. Traffic patrol car system, 110, 120, 119 and other in-vehicle systems
3. Bus / long-distance passenger / taxi / logistics vehicle system
4. Environmental inspection in-vehicle system
5. Road Administration Supervision Vehicle System
6. Weather monitoring vehicle system
7. Industrial and commercial inspection vehicle system

The specific application scope and occasions are as follows:



V Optional accessories

No.	Accessory name	Accessories specifications	Remark
1	SD memory card	4G or more, maximum 128G SDHC CLASS 10 or higher	It is recommended to use TOSHIBA 80M or higher write speed SD card
2	camera	4-channel AHD 720P analog camera + 1 channel IPC digital camera	user-selected
3	Camera extension cable	AV extension cable (5 meters) 4	Extension cord length can be customized
4	Disaster recovery memory interface	USB interface disaster recovery memory, up to 1TG	
5	Spare battery pack	7 Section 7 8.4V NiMH Battery Pack	
6	Switch interface line	20 core combination line, 3 meters long	Drive recorder function selection
7	Speed signal extension line	3 cores, 3 meters long	Drive recorder function selection
8	Hands-free microphone	-40db Clip on crystal microphone	
9	Hands-free speaker	8Ω 5W/4Ω 5W	Choose any one of them
10	Lock oil circuit relay	12V 60A/24V 60A Relay	Choose any one of them
11	Embedded mounting bracket	Mouth bracket	Embedded central console installation and use
12	Demolition key	One-line removal key	remove the device from the center console