

User Manual

Product Name: 4G AI Dashcam

Product Model: T98 2+4

Version number: V1.0



1. Product Overview

This product is an in-vehicle intelligent device that integrates positioning, 4G communication and video processing technologies. It supports six-channel high-definition video recording (including two channels of 1080P and four channels of 720P), and is equipped with active safety algorithms to warn of risks and improve driving safety. The built-in 4G module enables remote video monitoring, is highly scalable, and can be connected to a variety of peripherals to optimize the riding experience. Combined with precise GPS positioning, it provides efficient vehicle dispatch and emergency assistance services. With its excellent performance and versatility, this device has become an ideal choice for improving services, strengthening management, and ensuring safety.

Product Features

- ◆ 2-channel 1080P and 2-channel / 4-channel 720P HD video
- ◆ Loop recording
- ◆ Voice intercom/monitoring
- ◆ Collision lock
- ◆ Collision wake-up
- ◆ Emergency alarm
- ◆ Real-time positioning and trajectory query
- ◆ Remote real-time video and playback
- ◆ Automatic upload of emergency video to FTP serves
- ◆ Intelligent sleep
- ◆ Advanced driver assistance function (ADAS)
- ◆ Driving behavior monitoring function (DMS)
- ◆ Optional 232 serial port function
- ◆ Optional I/O detection function

2. Product specifications

Product size: L 113 mm*W 79 mm*H 59 mm

2.1 Parameters

Features		Specifications
operating system	Operating system	Linux
	Control Mode	Network, mobile app
video	Frame rate	15 fps
	AHD720P	4-channel 720P
	MIPI 1080P	2- channel 1080P
Audio	Input	Maximum 5-channel audio
	Output	1 channel audio
Record	Video /Audio encode	Video H.264/Audio ADPCM, G726, G711A (default G711A)
	Image resolution	720P,1080P
	Video recording mode	Power on/ manual/alarm recording events
	Real-time video recording	support
	ACC off time-lapse video	Delay parameter range: 10-65535s , default 300s
	Alarm video	support
	Backup video	support
Playback	Playback Channel	Supports local multi-channel synchronous playback
	Browse Mode	Time, Channel
Network	4G	LTE FDD: B1/3/5/7/8/20/28 LTE TDD: B38/40/41 WCDMA: B1/5/8 GSM/EDGE: B3/8
Storage	TF card	Support up to 2pcs 512GB high-speed TF cards

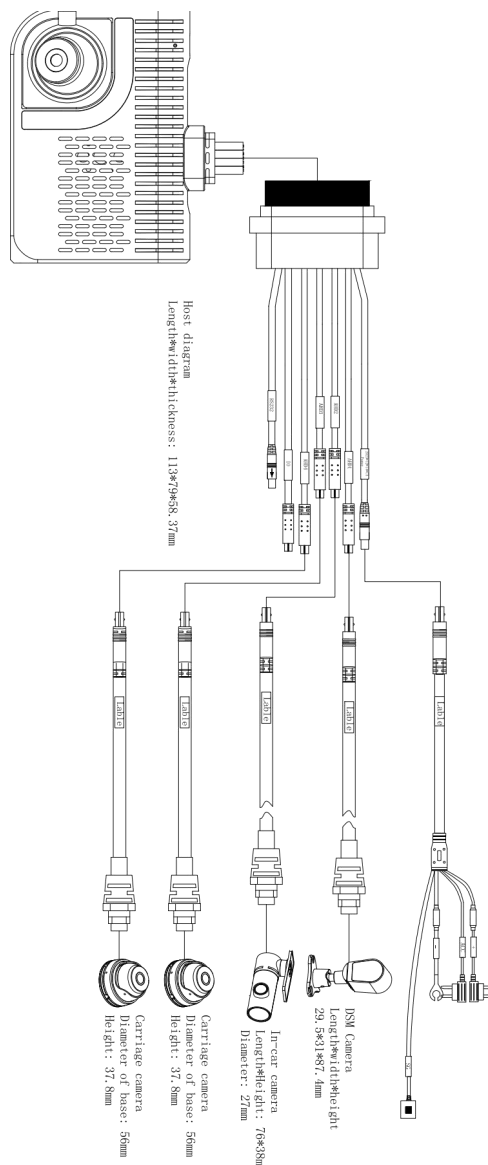
Interface Characteristics

Interface Characteristics		Interface Description
interface	Front USB port	Debugging the APP interface
	SIM card	Single card (for GPS data upload and video data transmission)
	TF card	Support up to 2pcs 512GB high-speed TF cards
	POWER/IO	Power cord
	RS232	Oil receiving rod, advertising screen, meter, evaluator, roof light, safety module and other peripherals
	AV1-AV4	Connect 1 to 4 cameras
Other	Operating	DC 9-36V

Features	voltage	
	Working current	1A@12V(max)
	Standby power consumption	87mA@12V
	Backup power	5S after power failure
	Operating temperature	-25°C — + 60 °C
	Storage temperature	-40°C — +85°C

2.2 Product Wiring Diagram

Device connection diagram



2.3 Basic functions of the product

project	Function	illustrate
Multimedia functions	Video mode	Loop video
	Storage	Support up to 2pcs 512GB high-speed Micro SD cards
	Capture	Remotely send command to capture
	Video lock	Lock video for important events
	Urgent video upload	Emergency videos are automatically uploaded to the FTP server
	Time-lapse video save	ACC off time-lapse video 5S
	Remote monitoring	Support monitor vehicles remotely by the platform
	Remote intercom	Support intercom with the vehicle by the platform
Data upload	Scheduled tracking	The latitude and longitude and other positioning information are sent back at the set interval.
	ACC on/off status	Location data packet contains the ACC status each time
	Vehicle power off alarm	Turn on the backup battery, when the device cannot detect the vehicle voltage, it will report a power off alarm to server
	Low voltage alarm	When the host detects that the vehicle voltage is lower than 10V, it will report a low voltage alarm to server
	Overspeed alarm	Sets a maximum speed limit by the platform. When the speed exceeds the set value, an overspeed alarm will be reported.
	Blind area data upload	When the terminal is located and not online, the location data will be stored in the device, up to 10,000 pieces. When the signal is normal and the device goes online normally, the stored location data will be automatically uploaded to server.
	Inflection data upload	When the direction angle of the device changes more than a certain angle, the device will immediately upload a position data to optimize the trajectory.
	Remote upgrade	Support OTA remote upgrade