

SMD4221 Dual Camera DVR



Feature:

- Easy to install, 3M glue directly sticks this device to the windshield.
- With high-reliability heat dissipation design, it can work continuously in an 85° environment.
- Reliable electromagnetic compatibility design ensures the stable operation of electronic equipment in the car.
- The structure has anti-disassembly and dust-proof design to ensure that the TF card, SIM card, antenna and connection interface are not damaged.

- Support Web preview, mobile phone, PAD real-time preview function, support computer client real-time preview function.
- Built-in 2CH AHD 1080P 2 million pixels. In addition, 2CH of AHD 1080P lens input can be expanded.
- The interior lens of the car is equipped with 940 infrared light, which can be used for high-definition surveillance shooting in the absence of light.
- The built-in 2 cameras can realize flexible adjustment of the monitoring angle. Among them, the front bracket camera is adjustable in the vertical direction, and the in-vehicle camera can realize all-round monitoring angle adjustment in the vertical horizontal direction. The camera outside the vehicle can meet the flexible replacement and installation of different lenses, and can be used for monitoring requirements of different models and different angles, which is convenient for flexible adjustment of the monitoring scene. (And the camera adjustment can be completely locked through the structure, do not worry about other people changing the angle of the monitoring field of view.)
- The main unit integrates a high-sensitivity MIC, which can record in-car audio, and the main unit integrates a speaker, which can carry out audio broadcast and warning prompts.
- Support an alarm button, 2 alarm inputs, 1 alarm output, anti-disassembly alarm switch.
- Built-in bluetooth module, support bluetooth button wireless alarm and capture, can realize bluetooth headset intercom and phone function.
- Built-in WIFI module, which can realize automatic download and mobile phone connection function. And with AP hotspots can be set, can share the Internet for 5 peripherals.
- Built-in GPS/BD module and antenna to realize speed, location, time and route management. Supports driving line departure and zone entry and exit alarms. The device can store up to 16 lines and zones.
- Integrated 3/4G communication module can realize remote monitoring and management.
- Built-in G-SENSOR module, which can realize automatic alarm upload of abnormal vibration, rollover, impact, and sudden brake.
- 1CH video output, which can be connected to the car monitor to realize the video preview and visual reversing function.

- Support 6V-36V self-adjusting wide voltage input, support reverse connection protection, overvoltage and overcurrent overload protection, can output a maximum of 4A current, support 12V output. Ultra-low power design.
- Built-in super capacitor, the machine itself can work for 6-8 seconds in the case of abnormal power failure, the key data after abnormal power failure, to ensure that the data is not lost, the disk is not damaged, and the integrity of the event program.
- Reliable file system guarantees the accuracy and stability of recording data and storage media, supports TF card recording, up to 256GB, and supports hot swapping.
- 1 Mini USB interface (transferable to the network port), backup data and equipment upgrades, 1 alarm input, 1 RS232 and 1 RS485.
- Support TTS voice function, can realize Chinese and English TTS scheduling broadcast. Support alarm button to manually capture pictures, delayed shutdown function, delay time can be set.
- Ultra-low power consumption sleep can be realized. In the sleep state, GPS position can continue to be reported; keep the position updated.
- All interfaces and brackets are protected by special protective covers. After installation and debugging, make sure that the wiring and antenna will not be damaged by pulling out.
- Optional dedicated external UPS power supply to realize all-weather monitoring and management and information upload in sleep state.
- The vehicle-mounted professional CMS software can realize the remote monitoring and management functions of computers and mobile phones.
- Support low temperature start and work, working temperature can reach: -40°C ~100°C.

Specification:

Item	Parameters
Operating System	Linux
Operating Language	Traditional Chinese, English, other (customizable)
Image Compression	H.264 compression format
Operation Interface	Graphical function table operation interface (OSD function table)

		Support external screen, can be set with remote control
Image processing	Video Input	Built-in 2 cameras, 1080P/720P HD/AHD/composite input
	Video Output	1CH CVBS output
	Resolution	Support 1080P, 720P, D1
	Video Quality	0-7 level image quality optional
	Video Mode	The default is automatic recording, support ACC start recording, time recording and alarm recording
Sound processing	Audio Input	4 audio input, 2 built-in, 2 expansion
	Audio Output	Single audio output
Alarm Input		2 alarm inputs
Alarm Output		1 alarm output
Communication Interface		1CH RS232 or 1CH RS485
Wireless Transmission		Support built-in 3G/4G wireless transmission WCDMA, CDMA2000, FDD-LTE... Support extended internal/external WiFi connection, compatible with GPRS, EDGE
GPS/Gsensor		Support built-in GPS/BD module, G-sensor Support remote vehicle management system for playback and analysis
Video Storage	Data Storage	Maximum support 256G TF card
	Upgrade	Support memory card local upgrade and OTA remote automatic upgrade
	File Mode	H.264
	Format	exFAT file system
Replay	Image Retrieval	Time or type of image retrieval possible
	Video Playback	Support up to 4 simultaneous playback/stop/fast forward/rewind
		Support 2x 4x 8x 16x fast forward or reverse playback
Password Security		User password and administrator password two-level management, support lock screen

TTS Voice Broadcast		Support remote TTS voice broadcast
Power Input	Power Management	Automatic adjustment of wide power input, with protection functions such as overload, low voltage, short circuit, reverse connection, etc., support timing switch machine, delayed shutdown function
	Input Voltage	DC:+8V - +36V
	Power Output	12V @1.2A 4CH, with IR 12V @0.9A 2CH, with IR
	Power Failure Protection	Built-in super capacitor to avoid data loss and memory card file damage due to abnormal power failure.
	Energy Consumption	Normal work <14W, standby mode <0.5W
Working Environment	Temperature	-20°C - +70°C
	Humidity	20% - 80%
Exterior	Dimension	110 x 74 x 40mm
	Weight	0.4KG

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