4G AI Dash cam specification sheet

1. Appearance

2. Product features

- Using H.264 or H.265 encoding and decoding;
- N9 supports 4x1080P video input;
- Supports 2 TF cards for storage, with a maximum capacity of 1TB per card;
- Support 1 SOS emergency alarm button;
- Support 1 channel of I/O alarm output;
- Support 4 I/O alarm inputs;
- Built in functions such as 4G, WiFi, and GPS;
- Built in 3W speaker and microphone, supporting bidirectional voice intercom between devices and platforms;
- Support mobile apps and platform software to preview videos and configure parameters;
- 1.5T computing power, optional AI intelligent algorithms: ADAS, DMS, driver facial recognition;
- Supports 2 RS232 channels, 1x5V and 1x12V output;

- Optional configuration with 1 channel AV output;
- Optional configuration with 1 channel CAN;
- Optional 1-channel speed sensor.

3. Product specifications

ITEM		Parameters
System	Language	Chinese/English/Portuguese/Spanish/Russian/Vietnamese/Mongolian/Thai/Pakistani/French/Korean/Hindi
	Operating system	Linux
	Menu	Mobile app: CMSV7, UVIEW
Processor	CPU	NOVATEK NT98528 chip,Dual Core ARM® CortexTM A9，1.5 TOPS computing power
	Memory	DDR 8Gb
	Flash	2Gb
Video	Video Input	Front (built-in) 1080p, sensor IMX307, supports WDR, D:139° H:117° V:62°
		Rear (built-in) 1080p, sensor GC2053, supports WDR, D:176° H:151° V:91°
		Can pull out 2 channels of 1080P AHD camera
	Video output	Optional configuration with 1 channel AV output
	Format	H.264/H.265
	Resolution	1080P, 720P, D1 optional
	Quality	Levels 1 to 4
	Record Mode	Default boot recording, supporting ignition recording, alarm recording, etc
Audio	Audio Input	1 channel audio with built-in digital MIC
	Audio output	1 channel, built-in power amplifier, built-in 3W speaker with sound chamber
	Format	G. 711A
4G		Built in 4G, TDD-LTE, FDD-LTE
WiFi		Built in WiFi
GPS		Built in BD/GPS/GLONASS module
G-Sensor		Built in accelerometer
SOS alarm button		Support
Alarm In		Supports 4 alarm inputs
Alarm output		Supports 1 channel of alarm output
Power output		Supports 1 channel of 5V output and 1 channel of 12V output
Serial port		Supports 2-channel RS232. Can be connected to oil level sensors, RFID card readers, alcohol sensors, etc
CAN port		Optional configuration with 1 channel CAN
Speed sensor		Optional 1-channel speed sensor
Port	TF Card	Supports 2 TF cards, with a maximum support of 1TB per card
	Upgrade	Support TF card upgrade and FTP remote automatic upgrade

	USB Port	Type-c
	SIM Card	Supports 1 Nano SIM card
AI algorithm	ADAS	FCW, LDW, HMW, PCW
	DSM	Smoking, making phone calls, yawning, dozing, distracted, driver not detected, blocking cameras, sunglasses identification, seat belts
	FR	Driver facial recognition
Power	Power management	Adaptive broadband power input with protection functions such as overload, undervoltage, short circuit, and reverse connection; Supports timed on/off and delayed shutdown functions.
	Input voltage	DC:+9V ~ +36V
	Consumption	Normal working state ＜ 8W (without peripherals)
Environment	Temperature	-20℃ to +70℃
	Humidity	20% to 80%
Management	Password access	Two level management of user passwords and administrator passwords
Platform access		JT/T808-2013, JT/T808-2019, JT/T1076-2016, JT/T1078-2016
		CMSV6、Wialon、Uffizio
Dimension		114mm*65mm*69mm