G5M 4CH Smart Mobile DVR

Aidriving G5M is a 4G GPS 4CH mobile DVR. It supports an ADAS camera, a DSM camera and another 2 DVR cameras. G5M also supports two-way audio talk, live streaming, history video playback, event video storage and warning, SOS button, etc.

☒ Parameters

Brand	AIDriving
Manufacturer	Shenzhen AIDriving Co., Ltd
Launching year	2019
System	Linux
Chipset	Hisilicon Hi3520DV400
Function	ADAS, DSM, 4CH video recording, GPS tracking, TTS warning, Two-way audio, 4G connective, SOS button
Usage field	Commercial vehicle fleet surveillance, management and safety
ADAS accuracy	>99%
DSM accuracy	>95%
FOTA	Yes
GPS	External high accuracy GPS, accuracy < 5m @ open sky area
TTS	Yes
Remote device manage	Yes
System Language	English
System UI	GUI on external screen over CVBS
AV compress	H.264
Storage	1x SD card, max to 256GB
Resolution	1080P/720P/D1/HD1/CIF
Audio compress	G711A, G726-32K, G726-40K
Audio record	Sync with video
AV input	1CH ADAS camera + 1CH DSM camera + 2CH DVR camera
Video output	1CH CVBS
Alarm input	4 x alarm input
Communicate port	1xRS485, 1xRS232, 1xCAN, 1xethernet
Antenna	1xGPS antenna / 1x4G antenna
USB port	1xUSB 2.0
SPK port	1xSPK

MIC port	1x audio talk MIC port
Indicator	POWER, 4G, SD, ADAS/DSM
SD Card slot	1
SIM Card slot	1
Power intput	DC：9V~36V
Power output	12V/1A, 5V/1A
Power consumption	15W, 12V/1.25A, 24V/0.6A
Work Temperature	-20 ~ 70℃
Storage Cap.	D1: 500M/hour/ch, 720P: 1GB/hour/ch, 1080P:2GB/hour/ch
Firmware upgrade method	FOTA, USB, SD Card,

- **G5M host Photos:**

Metal shell, with lock to seal SD card, sim card.

Indicator shows DSM/ ADAS, power, 4G SD card working status. Supports max to 256GB SD card.

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It has ports to connect with speaker and microphone, SOS button, fuel sensor, temperature sensor, etc.

- **ADAS & DSM Camera:**

ADAS camera

Aidriving ADAS camera is designed to help drive safer, it supports functions: FWC (forward collision warning), LDW (Lane departure warning), FPW (Forward proximity warning). It has built-in microphone to pick up sounds. There is chipset and firmware running inside ADAS camera to analyze and generate ADAS warnings. ADAS camera is wired with MDVR host to transfer warning and footage to MDVR. To configure it, we use platform though network.

DSM camera

Aidriving DSM camera is designed to help drive safer, it supports functions: detect and warning of yawn, distraction, smoking, sleeping, calling, driver absent. DSM camera is wired with MDVR host to transfer warning and footage to MDVR.

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