

Xignal M605 AI SD Card Mobile DVR

The AI recorder, and the only one in the range that writes to SD cards instead of a hard disk. Four channels of 1080p in H.265, which halves the storage for the same picture, on a chassis a quarter the weight of the others. Driver monitoring, lane warnings and blind spot detection are what it is built around.



4 CH

VIDEO CHANNELS

AHD, at 1080p

H.265

COMPRESSION

Half the storage, same picture

256 GB

CARD STORAGE

Two SD cards, no hard disk

0.55 kg

WEIGHT

154 × 42 × 138 mm

<5 W

POWER DRAW

Wide voltage, 10 to 36 V DC

3

DRIVER AI SYSTEMS

DSM, ADAS and blind spot

MAIN FEATURES

- Four channels of 1080p AHD, recorded in H.265 or H.264
- H.265 stores the same video quality in about half the space
- Dual SD cards, each up to 128 GB, with loop recording and no hard disk
- DSM detects fatigue, distraction, phone use and smoking
- ADAS gives forward driver assistance warnings
- BSD covers the blind spot the driver cannot see
- 8 to 10 second delay recording, so the file closes if the battery is cut
- Built-in GPS and BeiDou, with G-sensor support
- Runs with the central monitoring software for live video, audio and GPS tracking
- Voice intercom and group talking, with alarms shown in the client software

Figures published by the manufacturer. Two things worth reading closely. This model records to SD cards only, so there is no hard disk figure to compare against the other recorders in the range, and retention on the vehicle is set by two cards rather than by a drive. And 4G and Wi-Fi appear in the manufacturer's feature summary but have no rows in its specification table, so they are quoted here as it states them. Where a figure reads Not published, the manufacturer does not state it, which is not the same as the feature being absent.

Specify it against your fleet

Tell us the vehicle type, how many cameras each vehicle needs, whether live 4G view is required, and how long footage has to be retained. We quote the recorder, the cameras, the installation and the server behind it as one system.

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FULL SPECIFICATIONS

CHANNELS AND RECORDING	
Video channels	4 channels, AHD
Video resolution	Up to 4 channels of 1080P
Also records	720P, D1, HD1, CIF
Video compression	H.265 or H.264
Video quality	0 to 7 levels, 0 is the highest
Video standard	PAL 100 f/s, CCIR625, 50 field · NTSC 120 f/s, CCIR525, 60 field
Bit rates	1080P 4 to 8 Mbps · 720P 4 to 6 Mbps · D1 800 Kbps to 3 Mbps · HD1 600 Kbps to 2.5 Mbps · CIF 256 Kbps to 1.5 Mbps
Recording modes	Automatic on power up by default, plus timed, alarm triggered and manual
Video input	Aviation connector, 1.0Vp-p, 75Ω
Video output	1 CVBS aviation, 1.0Vp-p, 75Ω. One channel full screen or a four channel view
Preview	1 and 4 channel preview, with manual or alarm triggered full screen
On-screen overlay	Date, time and vehicle ID
Interface	Graphical interface, set up with the remote control

DRIVER AI

DSM	Detects fatigue, distraction, phone use and smoking
ADAS	Advanced driver assistance, for forward warnings
BSD	Blind spot monitoring

AUDIO

Audio input	4 channels, aviation plug
Audio output	1 channel, aviation plug
Audio compression	G.726 at 8 KB/s
Voice	Voice intercom and group talking, with alarms shown in the client software

STORAGE AND DATA INTEGRITY

Storage	Dual SD cards, each up to 128 GB, with loop recording
Hard disk	None. This model records to SD cards only
Data protection	8 to 10 second delay recording, so the file closes if the vehicle battery is cut
File format	H.265 or H.264
File system	Special FAT32
Firmware update	By SD card

NETWORK AND POSITIONING

Positioning	Built-in GPS and BeiDou module
G-sensor	Supported
Fleet software	Runs with the central monitoring software for live video, audio and GPS tracking
4G and Wi-Fi	Named in the manufacturer's feature summary but not itemised in its specification table

ALARMS AND INTERFACES

Alarm input	4 channels, with alarm linkage
Alarm output	2 channels
Serial	1 × RS232 for OBD, a POS or fuel sensor, or an LED panel. 1 × RS485 for a PTZ camera

PLAYBACK AND SECURITY

Playback	Up to 4 channels at once, with stop, fast and slow
Playback speeds	2x, 4x, 8x and 16x, forwards and backwards
Search	By recording time or recording type
User accounts	Two levels, user and administrator, with separate passwords

POWER AND PHYSICAL

Power input	Wide voltage, DC +10 V to +36 V
Power output	+12 V at 2.5 A, +5 V at 2.5 A
Power consumption	Under 5 W in normal operation
Power management	Timed and delayed shutdown
Operating temperature	-20 °C to +70 °C
Humidity	20% to 80%
Dimensions (W × H × D)	154 × 42 × 138 mm
Net weight	0.55 kg
Operating system	Linux
Menu languages	Chinese, English, or customised
IP rating	Not published
Certifications	Not published