

# M8

AI MDVR 4G 8Ch with Full Featured Telematics



LTE network



2T SSD



DMS



Loop Recording



GNSS



ADAS



Driver ID



HEVC



FOTA

The M8 is an advanced intelligent vehicle terminal with an 8-channel camera and 1.5T NPU computing power, supporting ADAS, DMS, BSD, and more. Its disaster recovery design ensures data protection from external damage, while its versatile design adapts to various vehicles like tankers, buses, and engineering vehicles.

## Application



Public Transport



Logistics



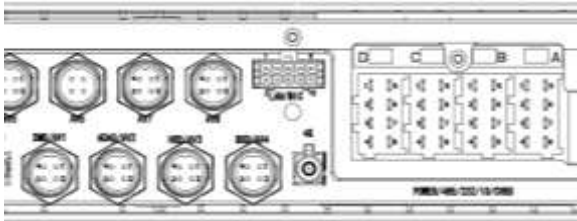
School Buses



Oil & Gas Transport



## Appearance



category	Logo	Description
instruct	IR	Remote control IR infrared receiver
	LCD screen	Display device system information
Card slot	SIM	SIM card slot ( medium card )
	SD	SD card slot
	harddisk	Mechanical hard disk/solid state drive installation slot
	IC Card	Driver IC card installation slot
button	menu	Button Menu Options
	Up key	Button scroll up options
	Down key	Press button to scroll down options
	USB	Press key to confirm option
interface	Confirm	Export/Import Device Data Interface
Device Lock	Lock	Storage media cover lock

## Video/Audio

Video format	PAL/NTSC
Compression Standard	H.264 /H.265
Image Resolution	1080P/ 720P/D1/ HD1 /CIF
Video quality	1 to 8 levels are available , 1 is the highest quality, 8 is the lowest
Screen Display	Support 1, 4 , 8 screen display
Audio Compression	G711A , G726-32K , G726-40K
Recording method	Synchronous recording of audio and video
Video bitrate	Full frame rate 8Mbps , 8 levels of image quality optional
Audio Bitrate	8KB/s
Storage Media	SD card /mechanical hard disk/solid state drive storage
Video Query	Can search by channel and video type
Local playback	Playback by file

## Network

Model	Region	Operating Band	GNSS Type	Accuracy(CPE)
M8-EU	EMEA	B1/3/5/7/8/20; LTE-TDD: B38/40/41; WCDMA: B1/5/8; GSM: B3/8	GPS+BD	<5m
M8-AU	Latin America	LTE-FDD: B1/2 /3/4/5/7/8/28; LTE-TDD: B40; WCDMA: B1/2/5/8; GSM: B2/3/5/8	GPS+BD	<5m

## Interface

Audio and video input	8-channel 1080P/720P aviation head AHD audio and video camera
Video Output	2-channel 720P aviation head IPC audio and video camera
Alarm input /output	8 input signals/2 output signals
Communication Interface	1 RS485 , 1 RS232 , 2 CAN buses , 1 USB 2.0
Antenna interface	1 GNSS positioning antenna 1 4G full network communication antenna
Intercom interface	1 external speaker/ 1 intercom MIC interface
Bluetooth	support
WiFi	support 802.11b/g/n/ac
SIM card	1 large card
Harddisk	1 mechanical/SSD, up to 2T storage, 7mm/9mm optional
SD Card	1 SD card , single card up to 256G
Device Lock	Device power on/storage media baffle lock 1

## Additional Camera Accessories

The M8 supports up to 8 cameras in total, allowing for versatile applications like cargo and cabin monitoring, as well as driver behavior tracking.

### ADAS Camera

Monitors the surroundings to detect road hazards and prevent collisions.

#### M8 ADAS camera specifications

size	100 X 71 X 40 MM	
Pixel	1920H X 1080V	
Output Format	AHD	
Mirror function	Pre-image	
Maximum frame rate	25 fps	
Audio output	Doesn't support	
Operating Voltage	DC 12V	
Operating temperature	-20°C ~ 70°C	

### DMS Camera

Monitors driver behavior to detect distraction and drowsiness.

#### M8 DMS camera specifications

size	114 * 65 * 28 MM	
Pixel	1280H X 720V	
Output Format	AHD PAL	
Mirror function	Pre-image	
Maximum frame rate	25 fps	
Audio output	support	
Minimum illumination	940 infrared fill light	
Operating Voltage	DC 12V	
Operating temperature	-20°C ~ 70°C	