

# 8 Channel AI MDVR JH8AN-HD

Great for real-time monitoring  
anywhere in cellular 4G or Wi-Fi coverage areas



The **JH8AN-HD** is a **8 Channel AI MDVR** designed for on-board vehicle recording, the supports AI (ADAS & DSM & BSD). It has eight ports to record up to eight cameras simultaneously and an ethernet port to connect a forward-facing IP camera. The system comes with GPS to record the vehicle location and driving route as well.

## ADAS (Advanced Driver Assistance System)

Monitor and record the front road safety: lane departure, collision warning, pedestrian warning, etc.

## DSM (Driver Status Monitor)

Supervising and recording driver's behaviour: smoking, sleepy, phone call, etc.

## BSD (Blind Spot Detection)

Detects objects in the vehicle's blind spot and trigger the audible warning to both driver and outside.

The JH8AN-HD auto detecting and matching for all analog cameras. This Mobile DVR to set up 8 channels of cameras It will go Plug and Play. Footage records onto an included 4TB hard disk with backup recording (256GB) onto 1 SD card.

This Mobile DVR is ideal for large-scale fleet applications such as monitoring buses, coaches, car, taxis, lorries, fire trucks, ambulances, passenger vehicles, patrol cars, prison transportation vehicles and emergency response vehicles, etc. The DVR is equipped with an anti-shock vibration resistant chassis that is built to endure the rigorous bumps and turns of mobile surveillance applications, to ensure high quality video on-the-go.

## KEY FEATURES

- » Auto detecting & matching for all analog cameras
- » Option1: Support 2 channels 1080P AHD (DSM & ADAS) + 6 channels 1080P AHD / 960P AHD / 720P AHD / 960H / D1 / CIF + 1 channel IPC (720P / 1080P) Video input  
Option2: 8 channels 1080P AHD / 960P AHD / 720P AHD / 960H / D1 / CIF + 1 channel IPC (720P / 1080P) Video input
- » Support ADAS+DSM (optional)  
Support Blind Spot Detection cameras (optional)
- » accept HDD/SSD up to 4 TB Storage, and 1 SD card (up to 256GB) for backup (at 3G/4G/Wi-Fi model option)
- » Internal G-Sensor, with GPS, 4G and Wi-Fi (5.8 Ghz)
- » 1 WIFI Antenna (download speed up to 5~10Mb/s)
- » Anti-Vibration and Anti-Shock under acceleration of 40G ( MIL-STD-810G standard)
- » Hard drive automatic heating startup in -40°C weather
- » On board UPS 8 seconds delay power-off for data protection
- » Operating temperature -40°C ~ +80°C
- » 8V-36V wide voltage power supply

For more information, call **+86-755-86019299** or visit **www.icarvisions.com**

E-mail: **sale@icarvisions.com**

## Product Specifications

Function		JH8AN-HD
System	Language	English / Chinese
	Operation Interface	Graphical User Interface (OSD menu)
	Password Security	2 Levels: Administrator & User
AI	DSM (JA-MC921)	Yawning Detection
		Eyes Closing Detection
		Smoking Detection
		Making Phone Calls Detection
		Distraction Detection
		Driver Absence Detection
	ADAS (JA-MC920)	Camera Covered Detection
		Wearing Glasses Detection
		Lane Departure Warning
Video	Video Input	Safe Distance Warning
		Froward Collision Warning
		Pedestrian Collision Warning
		Support Blind Spot Detection cameras (2 channels)
		Option1: Support 2 channels 1080P AHD (DSM & ADAS) + 6 channels 1080P AHD / 960P AHD / 720P AHD / 960H /D1 /CIF + 1 channel IPC (720P /1080P) Video input
		Option2: 8 channels 1080P AHD / 960P AHD / 720P AHD / 960H /D1 /CIF + 1 channel IPC (720P /1080P) Video input
	Video Output	Note: (8x15 fps) 8-CH 1080P AHD + 1-CH 720P/1080P IPC Video input (8x15 fps) 8-CH 1080P AHD camera Video input
		3 Channels (Front Panel 3.5mm Jack, Rear Panel on 24pin I/O Port & VGA 1080P)
	Video Display	Single picture, 1~9 pictures
	Signal System	PAL / NTSC ( PAL@120 frame 1080P/sec; NTSC@120 frame 1080P/sec )
	Image Compression	

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Audio	Audio Input	8 Channels
	Audio Output	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 24pin I/O Port)
	Record Format	Synchronized A/V recording
Recording & Storage	Image Resolution	CIF / HD1 / D1 / 960H / 720P /1080P optional
	Video Coding	ISO14496-10 Industry Standard
	Video Bit Rate	CIF: 1536Kbps ~ 128Kbps,
		HD1/D1: 2048Kbps ~ 400Kbps,
		960H: 2048Kbps ~ 400Kbps,
		720P:4096Kbps ~ 400Kbps
		1080P:4096Kbps ~ 400Kbps
		Select from 8 Levels of Video Image Quality ranging from 1(Highest) to 8(Lowest)
	Audio Bit Rate	40Kbps
	Storage	Up to 4TB HDD/SSD and 1 SD card for backup (at 3G/4G/WIFI model option)
Alarm	Alarm Input	8 Channels, Select Trigger for either less than 1VDC or greater than 5VDC
	Alarm Output	1 Channel, 12V output
Communication Ports	RS485	1 Port for PTZ control or Data Device usage
	RS232	2 Ports for communication or data usage
	RJ45 Network	1 Port of RJ45(100M Ethernet port), For connection to an IP camera with maximum of 1080P
	Speed	1 Channel (Optional, shared with the port IO /IN 8)
	CAN	1 Channel (Optional, shared with the port IO /IN 6/7)
	USB	2 ports. The front one is USB 3.0 to download video files & upgrade firmware; The rear panel one is USB 2.0 for optional.
Wireless Communication*	3G/4G*	Supported
	Wi-Fi*	Internal Wi-Fi 802.11b/g/n/ac optional

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GPS*	Int'l Standard GPS	Internal GPS module. Real-time geographic coordinates, speed information
G-Sensor + Gyroscope	Internal G-Sensor + Gyroscope	Support an integrated 3 axis accelerometer (G-Sensor) and 3 axis gyroscope, to detect crash, harsh breaking, acceleration and cornering.
Software	PC Playback	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MDVR
	IVMS	Wireless (require Wi-Fi or cellular Option) real-time A/V monitoring, GPS, alarms, etc.
Software Upgrade	Local or Remotely	Upgrade through the front USB2.0 or remotely via IVMS platform
Voltage Input	+8 ~ +36V	8 ~ 36VDC Please check operational voltage of vehicle prior to the installation of the MDVR and its accessories to prevent possible damage
Voltage Output	12V	12V (+/-0.2V) , Max 3A
	ACC Detection	
	≤4V	Power-off
	≥6V	Power-on
Video Input Resistance	75Ω	75Ω
Video Output Voltage	2Vp-p	2VP-P CVBS output analog signal, screen input requires 75Ω resistance
I / O Port	<1V	Low voltage trigger
	>5V	High voltage trigger
Operational Temperature	-40℃ ~ 80℃	Install in well ventilated area, protected from moisture, heat, dust and vibration
Dimensions	192x184x61mm	Including Security Cover 248x184x61mm

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## Product Specifications



### » ADAS Camera

Model (ADAS Camera)	JA-MC920
Image Sensor	1/2.9" CMOS
TV System	PAL/NTSC
Horizontal Resolution	1080P
Lens optional	6mm
Effective Pixel Arrey	1920H x 1080 V
Min illumination	0.001 Lux
Audio function	N/A
S/N Ratio	>80dB
WDR	D-WDR
IR &Infrared LED Range	N/A
Horizontal angle of view	60°
Tilt Adjusting	Support
Power Supply	DC 12V±5%,65mA±5mA
Dimensions	105*68*43mm
Net Weight	100g
Weatherproof/Water Proof	N/A
Operational Temperature	-25℃ ~ 75℃
Operational humidity	< 90%
Video port	4PIN Aircraft Round Connector Plug

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## Product Specifications



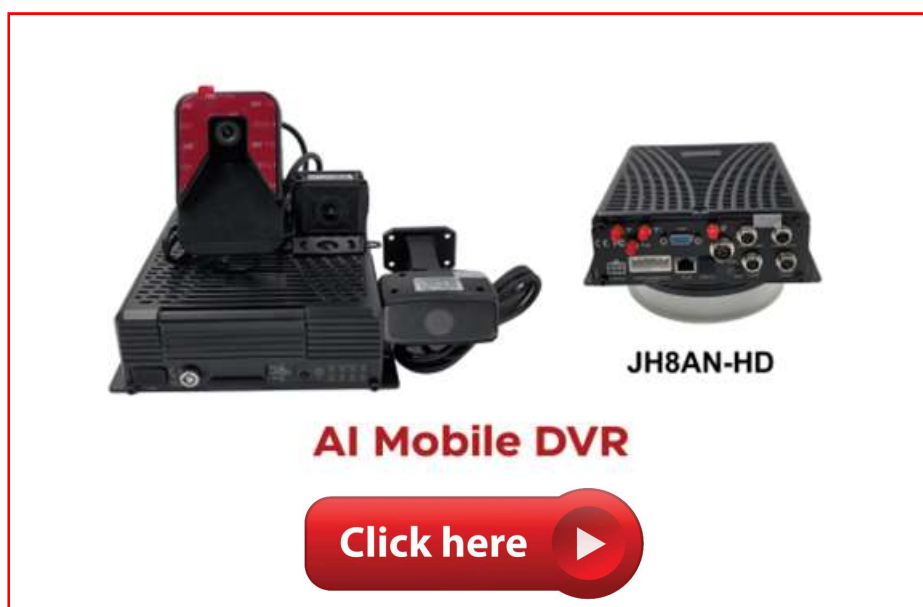
### » DSM Camera

Model (DSM Camera)	JA-MC921
Image Sensor	1/3" CMOS
TV System	PAL/NTSC
Horizontal Resolution	1080P
Lens optional	6mm
Effective Pixel Arrey	1920H x 1080 V
Min illumination	0.001 Lux
Audio function	Support
Speaker	Support
S/N Ratio	>80dB
WDR	D-WDR
IR &Infrared LED Range	IR LED 3535*2 pcs
Horizontal angle of view	90°
Tilt Adjusting	Support
Power Supply	DC 12V±5%,65mA±5mA
Dimensions	80*86.5*37.5mm
Net Weight	150g
Weatherproof/Water Proof	N/A
Operational Temperature	-25℃ ~ 75℃
Operational humidity	< 90%
Video port	10PIN Aircraft Round Connector Plug

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## Youtube Video



Link: <https://www.youtube.com/watch?v=WCa14x3Usy0>

## Product link



Link: <https://bit.ly/3fx6N0K>

## DEPLOY VIRTUALLY ANYWHERE

Leverage 4G infrastructure to transmit video evidence practically anywhere you have cell phone reception.

### iCarView

<https://apps.apple.com/cn/app/icarview/id1064405427>

<https://www.icarvisions.com/dd/iCarView.apk>

## EVIDENCE SECURITY

The built-in high capacity security-grade hard drive means you never have to worry about losing important video evidence from a lost connection. Dual-streaming provides high-resolution local recording and adjustable resolution to manage file sizes and bandwidth for viewing video over 4G networks.

## REMOTE OBSERVATION

Monitor and manage multiple video streams in real time for incredible flexibility and remote capability. Conveniently access your mobile DVR from laptops and smartphones.

## OPTIONS AND CUSTOMIZATION

A wide variety of concealments are available. Turn-key packages can be built to match your agency's specific need.

## EXPERT ADVICE

To learn more and get expert advice on how to use the MDVR JH8AN-HD for your remote surveillance application, call our expert LE division sales team. The team is comprised of veteran law enforcement officers who have the technical know-how to develop the perfect solution for your agency's needs.