



Key Features

- Up to 5 channels A/V recording, 4 x 1080P AHD + 1 x 1080P IPC
- Accept Max. 4TB HDD / SSD storage, and 1 SD card (up to 512GB) for backup (at 4G / Wi-Fi model option)
- Support AI function ADAS / DSM / BSD optional
- Anti-Shock and Anti-Vibration MIL-STD-810G certified
- Hard drive auto-heating startup in freezing weather
- Built-in an integrated 3-axis G-SENSOR + 3-axis gyroscope (a total of 6 axes), to detect and trigger the alarm of rapid acceleration, harsh braking, crash and sharp cornering.
- Operating temperature -40°C ~ +80°C
- On board UPS 8 seconds delay power-off for data protection
- 8V~36V wide voltage power supply

AI function

ADAS: Advanced Driver-Assistance Systems)
DSM: Driver Status Monitoring
FR: Face Recognition
BSD: Blind Spot Detection
HOD: Hand-off Detection

Applications

- City Buses & Shuttle Buses
- Delivery Vans
- Long-Haul Trucks
- Law Enforcement Vehicles
- Ambulances
- School Buses
- Taxis & Ride-Hailing Cars
- Hazardous Goods Vehicles
- Construction & Mining Trucks
- Utility & Maintenance Vehicles

System	
Language	English / Chinese
Operation Interface	Graphical User Interface (OSD menu)
Password Security	2 Levels: Administrator & User

Built-in modules	
GNSS	GPS Glonass BeiDou for optional
3G/4G/5G	WCDMA/EVDO/TD -SCDMA FDD-LTE/TDD-LTE 5G NR
WIFI(2.4Ghz+5.8Ghz)	Internal Wi-Fi 802.11 b/g/n/ac optional
G-Sensor	Integrated 3 axis accelerometer (G-Sensor) and 3 axis gyroscope

Video	
Video Input	Support 4 channels 1080P AHD / 960P AHD / 720P AHD / 960H /D1 /CIF + 1 channel IPC (720P /1080P) Video input Expandable 4-CH 1080 IPC (Need switch): Option1: Support 4 channels 1080P AHD / 960P AHD / 720P AHD / 960H /D1 /CIF + 4 channels IPC (720P /1080P) Video input
Video Output	3 Channels (Front Panel 3.5mm Jack, CVBS (D1) on 24pin I/O Port & VGA 1080P)
Video Display	Single picture, 1~5 pictures
Signal System	PAL / NTSC (PAL@100 frame 1080P/sec; NTSC@120 frame 1080P/sec)
Image Compression	H.265 /H.264 Main profile

Audio	
Audio Input	4 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 Bit Rate	CIF: 1536Kbps ~ 128Kbps, HD1/D1: 2048Kbps ~ 400Kbps, 960H: 2048Kbps ~ 400Kbps, 720P:4096Kbps ~ 400Kbps 1080P:4096Kbps ~ 400Kbps
Audio Input	Select from 8 Levels of Video Image Quality ranging from 1 (Highest) to 8 (Lowest)
Audio Bit Rate	40Kbps
Storage	Support 2.5" 7mm-9mm HDD (up to 2TB) / support 2.5" SSD (up to 8TB) + 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 2.0 to download video files, upgrade firmware and plug in a mouse for setup; The rear panel one is USB 2.0 for optional.

Basic Information		
Firmware Upgrade	Upgrade through the front USB2.0 or remotely via IVMS platform	
Voltage	Input	+8~+36V
	Output	12V (+/-0.2V) , Max 3A
Operational Temperature	-40°C ~80°C	
Dimensions	192x184x61mm	
ACC Detection	≤4V Power-off ≥6V Power-on	
I / O Port	<1V Low voltage trigger >5V High voltage trigger	

ADAS (Advanced Driver-Assistance Systems)



Safe Distance Warning



Forward Collision



Lane Departure Warning



Pedestrian Collision

ADAS camera



Model: JA-MC920

DSM (Driver Status Monitoring) + FR (Face Recognition)



Eyes Closing Warning



Fatigue Driving Warning



Smoking Warning



Phone Call Warning



Camera Block Warning



Distraction Warning



Yawning Warning



Face Recognition

DSM camera

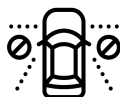


Model: JA-MC921



Model: JA-MC938

BSD (Blind Spot Detection)



Blind Spot Detection

BSD camera



Model: JA-MC804



Model: JA-MC923

HOD (Hands Off Detection)



Play Phone Warning



Hand-off Wheel warning



No Seatbelt Warning

HOD camera



Model: JA-MC510

Order Model: JH4AN-HD



Order Model	JH4AN-HD-GNN	JH4AN-HD-GNW	JH4AN-HD-GFN	JH4AN-HD-GFW
Config.	GPS	GPS WiFi	GPS 4G	GPS 4G WiFi

Accessories



SD card
64G | 128G | 256G |
Max. 512G



Hard Drive
1TB | 2TB |



SSD
1TB | 2TB | 4TB |
Max. 8TB



4PIN Extension Cable
For general 4PIN AHD Cam
3M | 5M | 10M | 15M



8PIN Extension Cable
For ICAR Android Touch
Screen Monitor(AHD)
2M



10PIN Extension Cable
For 10PIN DSM Cam
1.5M | 3M

External Sensors for JH4AN



Passenger Counter - IPC
Max. 3Channels
For passenger flow statistics



IPC Switch
1 to 3 IPC Switch
For expanding IPC



3 to 1 Antenna
Save time to install
GPS/4G/WiFi Antenna



Fireproof&Waterproof Data Box
Fireproof (1100°C-15min)
and Waterproof (100M)



Audible Flashing Alert
Buzzer to remind pedestrians,
works with BSD



UPS
Uninterrupted Power Supply
(8-36V DC)



RFID
Drive ID Card Reader



Card Writer
write the driver info. in
plain IC card



Plain IC Card
Save Driver ID info.



Temperature Sensor
Detect the temperature of
the car compartment or
cargo box



Ultrasonic Fuel Sensor
Detect the oil volume



Intercom
Press-to-talk, two-way
communication



Panic Button
To trigger the alarm in
emergency



OBD
To collect direct datas
from the vehicle