



# JH4-HD

## 4 Channel Hard Disk Mobile DVR

- 4 x 1080P AHD + 1 x IPC ( 720P / 1080P ) with VGA Video Output
- 4 x 720P AHD / 960H / D1 / HD1 / CIF + 1 x IPC ( 720P / 1080P ), Support 960P AHD camera
- Accept HDD / SSD up to 2 TB Storage, and 1 SD card ( up to 128GB ) for backup ( at 3G / 4G / Wi-Fi model option )
- Internal G-Sensor, GPS, 3G/4G, Wi-Fi ( 5.8Ghz )
- Anti-Vibration and Anti-Shock ( MIL-STD-810G standard )
- Hard drive automatic heating startup in cold weather
- On board UPS 8 seconds delay power-off for data protection
- Operating temperature - 40℃ ~ + 80℃
- 8V~36V wide voltage power supply

# Specification

System	Language Operation Interface Password Security	English / Chinese Graphical User Interface (OSD menu) 2 Levels: Administrator or User
Video	Video Input	Supports 4 channels 1080P AHD camera Video input Supports 4 channels CIF/HD1/D1/960H/720P AHD camera Video input Supports 2-CH 1080P AHD + 2-CH 720P AHD mixing Video input Supports 2-CH 1080P AHD + 2-CH 960H analog mixing Video input Supports 2-CH 720P AHD + 2-CH 960H analog mixing Video input Supports 1-CH 720P/1080P IPC + 4-CH 720P AHD/960H/D1/CIF Video input Supports 1-CH 720P/1080P IPC + 4-CH 1080P AHD Video input 3 Channels (Front Panel 3.5mm Jack, Rear Panel on 24pin I/O Port & VGA 1080P) Single picture, 1~5 pictures PAL / NTSC ( PAL@100 frame 1080P/sec: NTSC@120 frame 1080P/sec ) H.264 Main profile
	Video Output Video Display Signal System Image Compression	
Audio	Audio Input Audio Output Record Format	4 Channels 2 Channels (Front Panel 3.5mm Jack, Rear Panel on 24pin I/O Port) Synchronized A/V recording
Recording & Storage	Image Resolution Video Coding Video Bit Rate	CIF / HD1 / D1 / 960H / 720P / 1080P Optional ISO14496-10 Industry Standard 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) 40Kbps Up to 2TB HDD/SSD and 1 SD card for backup (at 3G/4G/WiFi model option)
	Audio Bit Rate Storage	
Alarm	Alarm Input Alarm Output	8 Channels, Select Trigger for either less than 1VDC or greater than 5VDC 1 Channel, 12V output
Communication Ports	RS485 RS232 RJ45 Network USB	1 Port for PTZ control or Data Device usage 2 Port for communication or data usage 1 Port of RJ45, For connection to an IP camera with maximum of 1080P 2 Ports for USB 2.0, the front panel one to download video files & upgrade firmware: the rear panel one is optional.
Wireless Communication	3G 4G Wi-Fi	3G (HSPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module 4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier Internal Wi-Fi 802.11b/g/n ( 2.4 / 5.8 Ghz ) optional
GPS	Int'l Standard GPS	Internal GPS module, Real-time geographic coordinates, speed information
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates
Software	PC Playback IVMS	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MDVR 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 >6V	Power Off Power On
Video Input Resistance	75 Ω	75 Ω
Video Output Voltage	2Vp-p	2VP-P CVBS output analog signal, screen input requires 75 Ω resistance
I / O port	<1V >5V	Low voltage trigger High voltage trigger
Operation Temperature	-40℃ ~ 80℃	Install in well ventilated area, protected from moisture, heat, dust and vibration
Dimensions	192x184x61mm	Including Security Cover 248x184x61mm



Order Model	JH4-HD-NNN	JH4-HD-GNN	JH4-HD-GNW	JH4-HD-GWN	JH4-HD-GWW	JH4-HD-GFN	JH4-HD-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G

\*Images and specs may vary from products, please contact our sales for updated information.



# JH8-HD

## 8 Channel Hard Disk Mobile DVR

- 8 x 720P AHD / 960H / D1 / HD1 / CIF + 1 x IPC ( 720P / 1080P ), Support 960P AHD camera
- Accept HDD / SSD up to 2 TB Storage, and 1 SD card ( up to 128GB ) for backup ( at 3G / 4G / Wi-Fi model option )
- Internal G-Sensor, GPS, 3G/4G, Wi-Fi ( 5.8Ghz )
- Anti-Vibration and Anti-Shock ( MIL-STD-810G standard )
- Hard drive automatic heating startup in cold weather
- On board UPS 8 seconds delay power-off for data protection
- Operating temperature - 40℃ ~ + 80℃
- 8V~36V wide voltage power supply



## Specification

System	Language Operation Interface Password Security	English / Chinese Graphical User Interface ( OSD menu) 2 Levels: Administrator & User					
Video	Video Input	Supports 8 channels CIF/HD1/D1/960H camera Video input Supports 8 channels 720P AHD Video input Supports 4 channels 720P AHD + 4 channels CIF/HD1/D1/960H Video input Supports 1-CH 720P/1080P IPC + 8-CH 960H/D1/CIF Video input Supports 1-CH 720P/1080P IPC +8-CH 720P AHD Video input					
	Video Output Video Display Signal System Image Compression	3 Channels (Front Panel 3,5mm Jack, Rear Panel on 24pin I/O Port & VGA 1080P) Single picture, 1~9pictures PAL / NTSC ( PAL@200 frame 720P/sec: NTSC@240 frame 720P/sec ) H.264 Main profile					
Audio	Audio Input Audio Output Record Format	8 Channels 2 Channels (Front Panel 3,5mm Jack, Rear Panel on 24pin I/O Port) Synchronized A/V recording					
Recording & Storage	Image Resolution Video Coding Video Bit Rate	CIF / HD1 / D1 / 960H / 720P / 1080P optional ISO14496-10 Industry Standard CIF: 1536Kbps ~ 128Kbps, HD1/D1: 2048Kbps ~ 400Kbps, 960H: 2048Kbps ~ 400Kbps, 720P:4096Kbps ~ 400Kbps 1080P:4096Kbps ~ 400Kbps					
	Audio Bit Rate Storage	Select from 8 Levels of Video Image Quality ranging from 1(Highest) to 8(Lowest) 40Kbps Up to 2TB HDD/SSD and 1 SD card for backup ( at 3G/4G/WIFI model option)					
Alarm	Alarm Input Alarm Output	8 Channels, Select Trigger for either less than 1VDC or greater than 5VDC 1 Channel, 12V output					
Communication Ports	RS485 RS232 RJ45 Network USB	1 Port for PTZ control or Data Device usage 2 Port for communication or data usage 1 Port of RJ45, For connection to an IP camera with maximum of 1080P 2 Ports for USB 2.0, the front panel one to download video files & upgrade firmware: the rear panel one is optional.					
Wireless Communication	3G 4G Wi-Fi	3G (HSDPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module 4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier Internal Wi-Fi 802.11b/g/n ( 2.4 / 5.8 Ghz) optional					
GPS	Int'l Standard GPS	Internal GPS module, Real-time geographic coordinates, speed information					
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates					
Software	PC Playback IVMS	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MDVR 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 ≥6V	Power Off Power On					
Video Input Resistance	75 Ω	75 Ω					
Video Output Voltage	2Vp-p	2VP-P CVBS output analog signal, screen input requires 75 Ω resistance					
I / O port	<1V >5V	Low voltage trigger High voltage trigger					
Operation Temperature	-40℃~80℃	Install in well ventilated area, protected from moisture, heat, dust and vibration					
Dimensions	192x184x61mm	Including Security Cover 248x184x61mm					
Order Model	JH8-HD-NNN	JH8-HD-GNN	JH8-HD-GNW	JH8-HD-GWN	JH8-HD-GWW	JH8-HD-GFN	JH8-HD-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G

\*Images and specs may vary from products, please contact our sales for updated information.



# JH4-HYBRID

## 4 Channel Hard Disk Mobile NVR

- 4 x IPC ( 1080P / 720P ) + 4 x 720P AHD / 960H / D1 / HD1 / CIF
- Built-in Switch 4 x POE (12V) Ethernet Ports
- HDMI Video Output Port
- Accept HDD / SSD up to 2 TB Storage, and 1 SD card ( up to 128GB ) for backup ( at 3G / 4G / Wi-Fi model option )
- Internal G-Sensor, GPS, 3G / 4G, Wi-Fi ( 5.8Ghz )
- Anti-Vibration and Anti-Shock ( MIL-STD-810G Standard )
- On board UPS 8 seconds delay power-off for data protection
- Operating temperature - 40°C ~ + 80°C
- 8V~36V wide voltage power supply



# Specification

System	Language Operation Interface Password Security	English / Chinese Graphical User Interface (OSD menu) 2 Levels: Administrator & User					
Video	Video Input	Supports 4 channels 1080P AHD camera Video input Supports 4 channels CIF/HD1/D1/960H/720P AHD camera Video input Supports 4 channels 1080P/720P IP camera Video input Supports 4-CH 1080P/720P IPC + 4-CH 720P AHD/960H/D1/CIF Video input					
	Video Output Video Display Signal System Image Compression	1 each HDMI (max, 1080P), 2 CVBS (Analog); 1 each 3.5mm Jack on Front Panel and one connection on the 24 pin I/O port Single picture, 1~8 pictures PAL / NTSC ( PAL@200 frame 1080P/sec; NTSC@240 frame 1080P/sec ) H.264 Main profile					
Audio	Audio Input Audio Output Record Format	4 Channels 2 Channels (Front Panel 3.5mm Jack, 1 in the 24pin connector) Synchronized A/V recording					
Recording & Storage	Image Resolution Video Coding Video Bit Rate	CIF / HD1 / D1 / 960H / 720P /1080P options ISO14496-10 Industry Standard CIF: 1536Kbps ~ 128Kbps, HD1/D1: 2048Kbps ~ 400Kbps, 960H: 2048Kbps ~ 400Kbps, 720P/1080P:4096Kbps ~ 400Kbps Select from 8 Levels of Video Image Quality ranging from 1(Highest) to 8(Lowest)					
	Audio Bit Rate Storage	40Kbps Up to 2TB HDD/SSD and 1 SD card for backup (at 3G/4G/WIFI model option)					
Alarm	Alarm Input Alarm Output	8 Channels, Select Trigger for either less than 1VDC or greater than 5VDC 1 Channel, 12V output					
Communication Ports	RS485 RS232 RJ45 Network USB	1 Port for PTZ control or Data Device usage 2 Port for communication or data usage 4 Ports of RJ45, For connection to an IP camera with maximum of 1080P 2 Ports of USB 2.0, the front is used to export record file. The rear panel is used to mirror					
Wireless Communication	3G 4G Wi-Fi	3G (HSPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module 4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier Internal Wi-Fi 802.11b/g/n ( 2.4 / 5.8 Ghz) optional					
GPS	Int'l Standard GPS	Internal GPS module, Real-time geographic coordinates, speed information					
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates					
Software	PC Playback IVMS	A/V, GPS, Mapview, Speed, G-Sensor, etc, files available for playback on PC. Limited playback is also available on MDVR 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 ≥6V	Power Off Power On					
Video Input Resistance	75 Ω	75 Ω					
Video Output Voltage	2Vp-p	2VP-P CVBS output analog signal, screen input requires 75 Ω resistance					
I / O port	<1V >5V	Low voltage trigger High voltage trigger					
Operation Temperature	-40℃ ~80℃	Install in well ventilated area, protected from moisture, heat, dust and vibration					
Dimensions	192x184x61mm	Including Security Cover 248x184x61mm					
Order Model	JH4-Hybrid-NNN	JH4-Hybrid-GNN	JH4-Hybrid-GNW	JH4-Hybrid-GWN	JH4-Hybrid-GWW	JH4-Hybrid-GFN	JH4-Hybrid-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G

\*Images and specs may vary from products, please contact our sales for updated information.



# JH8-HYBRID / JH8-NVR

## 8 Channel Hard Disk Mobile NVR

- 8 x 1080P IP camera Video input
- VGA Video Output ( JH8 - NVR )
- HDMI Video Output ( JH8 - HYBRID )
- accept HDD / SDD up to 2 TB Storage, and 1 SD card ( up to 128GB ) for backup ( at 3G / 4G / Wi-Fi model option )
- Internal G-Sebsor, with GPS, 4G FDD and Wi-Fi ( 5.8 Ghz )
- Anti-Vibration and Anti-Shock under acceleration of 40G ( MIL-STD-810G standard )
- Hard drive automatic heating startup in cold weather
- On board UPS 8 seconds delay power-off for data protection
- Operating temperature - 40℃ ~ + 80℃
- 8V~36V wide voltage power supply



## Specification

System	Language	English / Chinese
	Operation Interface	Graphical User Interface (OSD menu)
	Password Security	2 Levels: Administrator or User
	Video Input	Supports 8 channels 1080P IP camera Video input
Video	Video Output	3 Channels (Front Panel 3.5mm Jack, Rear Panel on 24pin I/O Port & VGA 1080P or HDMI 1080P)
	Video Display Signal System Image Compression	Single picture, 8 pictures PAL / NTSC ( PAL@200 frame 1080P/sec; NTSC@240 frame 1080P/sec ) H.264 Main profile
Audio	Audio Input	8 Channels
	Audio Output Record Format	2 Channels (Front Panel 3.5mm Jack, 1 in the 24pin connector) Synchronized A/V recording
	Image Resolution	CiF / HD1 / D1 / 960H / 720P / 1080P optional
	Video Coding Video Bit Rate	ISO14496-10 Industry Standard 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)
Recording & Storage		40Kbps
	Audio Bit Rate Storage	Up to 2TB 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 Port for communication or data usage
	RJ45 Network	4 Ports of RJ45, For connection to an IP camera with maximum of 1080P(JH8-BYBRID)
	USB	1 Ports of USB 2.0, is used to export record file.(2 Ports of USB 2.0, the front is used to export record file,The rear panel is used to mirror--JH8-HYBRID)
Wireless Communication	3G	3G (HSUPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module
	4G	4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier
	Wi-Fi	Internal Wi-Fi 802.11b/g/n ( 2.4 / 5.8 Ghz) optional
GPS	Int'l Standard GPS	Internal GPS module, Real-time geographic coordinates, speed information
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates
Software	PC Playback	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MNVR
	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 MNVR 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	75 Ω	75 Ω
Video Output Voltage	2Vp-p	2VP-P CVBS output analog signal, screen input requires 75 Ω resistance
I / O port	<1V	Low voltage trigger
	>5V	High voltage trigger
Operation Temperature	-40℃ ~80℃	Install in well ventilated area, protected from moisture, heat, dust and vibration
Dimensions	192x184x61mm	Including Security Cover 248x184x61mm

Order Model	JH8-NVR-NNN	JH8-NVR-GNN	JH8-NVR-GNW	JH8-NVR-GWN	JH8-NVR-GWW	JH8-NVR-GFN	JH8-NVR-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G



Order Model	JH8-Hybrid-NNN	JH8-Hybrid-GNN	JH8-Hybrid-GNW	JH8-Hybrid-GWN	JH8-Hybrid-GWW	JH8-Hybrid-GFN	JH8-Hybrid-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G

\*Images and specs may vary from products, please contact our sales for updated information.

# JH16

MOBILE DVR 16 x 720P AHD  
2 HDD SLOTS WATERPROOF IP67

- 16 x 720P AHD Video input, support 960P AHD camera
- Waterproof & Dustproof IP67
- 2 HDD / SSD slots and 1 SD card ( up to 128GB) for backup ( at 3G / 4G / Wi-Fi model option )
- Internal G-Sensor, with GPS, 4G and Wi-Fi ( 5.8 Ghz )
- 2 WIFI Antennas
- Anti-Vibration and Anti-Shock under acceleration of 40G ( MIL-STD-810G standard )
- Hard drive automatic heating startup in cold weather
- Operating temperature - 40°C ~ + 80°C
- 24V-36V wide voltage power supply



## Specification

System	Language Operation Interface Password Security	English / Chinese Graphical User Interface ( OSD menu ) 2 Levels: Administrator & User
Video	Video Input	Supports 16 channels 720P AHD camera Video input Supports 16 channels CIF/HD1/D1/960H camera Video input Supports 8-CH 720P AHD + 8-CH CIF/HD1/D1/960H analog mixing Video input
	Video Output Video Display Signal System Image Compression	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 9pin AV-OUT Port) Single picture, 1~16 pictures PAL / NTSC ( PAL@400 frame 720P/sec; NTSC@480 frame 720P/sec ) H.264 Main profile
	Audio Input Audio Output Record Format	16 Channels 2 Channels (Front Panel 3.5mm Jack, Rear Panel on 9pin AV-OUT Port) Synchronized A/V recording
Recording & Storage	Image Resolution Video Coding	CIF / HD1 / D1 / 960H / 720P optional ISO14496-10 Industry Standard
	Video Bit Rate	CIF: 1536Kbps ~ 128Kbps, HD1/D1: 2048Kbps ~ 400Kbps, 960H: 2048Kbps ~ 400Kbps 720P:4096Kbps ~ 400Kbps Select from 8 Levels of Video Image Quality ranging from 1(Highest) to 8(Lowest)
	Audio Bit Rate Storage	40Kbps Up to 2*2TB HDD/SSD and 1 SD card for backup ( at 3G/4G/WIFI model option )
Alarm	Alarm Input Alarm Output	8 Channels, Select Trigger for either less than 1VDC or greater than 5VDC 2 Channel, 12V output
Communication Ports	RS485 RS232 CAN RJ45 Network USB	1 Port for PTZ control or Data Device usage 2 Port for communication or data usage 1 Port,CAN-H and CAN-L 1 Port of RJ45, For connection to LAN or testing etc 2 ports. The front one is USB 3.0 to download video files & upgrade firmware; the rear panel one is USB 2.0 to connect with external device.
Wireless Communication	3G 4G Wi-Fi	3G (HSUPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module 4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier Internal Wi-Fi 802.11b/g/n ( 2.4 / 5.8 Ghz) optional
GPS	Int'l Standard GPS	Internal GPS module. Real-time geographic coordinates, speed information
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates
Software	PC Playback IVMS	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MDVR Wireless (require Wi-Fi or cellular Option) real-time A/V monitoring, GPS, alarms, etc.
Software Upgrade	Local or Remotely	Upgrade through the front USB3.0 or remotely via IVMS platform
Voltage Input	+24V~+36V	24 ~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 ≥6V	Power-off 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 >5V	Low voltage trigger High voltage trigger
Operational Temperature	-40 C ~ 80 C	Install in well ventilated area, protected from moisture, heat, dust and vibration
Dimensions	203x208x93.5mm	



Order Model	JH16-NNN	JH16-GNN	JH16-GNW	JH16-GWN	JH16-GWW	JH16-GFN	JH16-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G

\*Images and specs may vary from products, please contact our sales for updated information.

# JH16-8HD

MOBILE DVR 8 x 1080P AHD  
2 HDD SLOTS WATERPROOF IP67

- 8 x 1080P AHD Video input
- Waterproof & Dustproof IP67
- 2 HDD / SSD slots and 1 SD card ( up to 128GB ) for backup ( at 3G / 4G / Wi-Fi model option )
- Internal G-Sensor, with GPS, 4G and Wi-Fi ( 5.8 Ghz )
- 2 WIFI Antennas
- Anti-Vibration and Anti-Shock under acceleration of 40G ( MIL-STD-810G standard )
- Hard drive automatic heating startup in cold weather
- Operating temperature - 40°C ~ + 80°C
- 24V~36V wide voltage power supply



## Specification

System	Language Operation Interface Password Security	English / Chinese Graphical User Interface ( OSD menu ) 2 Levels: Administrator & User
Video	Video Input	Supports 8 channels 1080P AHD camera Video input Supports 8 channels 720P AHD camera Video input Supports 8 channels CIF/HD1/D1/960H camera Video input Supports 4-CH 1080P AHD + 4-CH 720P AHD analog mixing Video input Supports 4-CH 1080P AHD + 4-CH CIF/HD1/D1/960H analog mixing Video input Supports 4-CH 720P AHD + 4-CH CIF/HD1/D1/960H analog mixing Video input
	Video Output Video Display Signal System Image Compression	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 9pin AV-OUT Port) Single picture, 1~8 pictures PAL / NTSC ( PAL@200 frame 1080P/sec; NTSC@240 frame 1080P/sec ) H.264 Main profile
Audio	Audio Input	8 Channels
	Audio Output Record Format	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 9pin AV-OUT Port) Synchronized A/V recording
Recording & Storage	Image Resolution Video Coding	CIF / HD1 / D1 / 960H / 720P/1080P optional 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 Storage	40Kbps Up to 2*2TB 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	2 Channel, 12V output
Communication Ports	RS485 RS232 CAN RJ45 Network	1 Port for PTZ control or Data Device usage 2 Port for communication or data usage 1 Port,CAN-H and CAN-L 1 Port of RJ45, For connection to LAN or testing etc
	USB	2 ports. The front one is USB 3.0 to download video files & upgrade firmware; the rear panel one is USB 2.0 to connect with external device.
Wireless Communication	3G 4G Wi-Fi	3G (HSUPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module 4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier Internal Wi-Fi 802.11b/g/n ( 2.4 / 5.8 Ghz) optional
GPS	Int'l Standard GPS	Internal GPS module. Real-time geographic coordinates, speed information
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates
Software	PC Playback IVMS	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MDVR Wireless (require Wi-Fi or cellular Option) real-time A/V monitoring, GPS, alarms, etc.
Software Upgrade	Local or Remotely	Upgrade through the front USB3.0 or remotely via IVMS platform
Voltage Input	+24V~+36V	24~36VDC 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 ≥6V	Power-off 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 >5V	Low voltage trigger High voltage trigger
Operational Temperature	-40 C ~ 80 C	Install in well ventilated area, protected from moisture, heat, dust and vibration
Dimensions	203x208x93.5mm	



Order Model	JH16-8HD-NNN	JH16-8HD-GNN	JH16-8HD-GNW	JH16-8HD-GWN	JH16-8HD-GWW	JH16-8HD-GFN	JH16-8HD-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G

\*Images and specs may vary from products, please contact our sales for updated information.

# JH16-8NVR

MOBILE NVR 8 x 1080P IPC  
2 HDD SLOTS WATERPROOF IP67

- 8 x 1080P IP Camera Video input
- Waterproof & Dustproof IP67
- 2 HDD / SSD slots and 1 SD card ( up to 128GB ) for backup ( at 3G / 4G / Wi-Fi model option )
- Internal G-Sensor, with GPS, 4G and Wi-Fi ( 5.8 Ghz )
- 2 WIFI Antennas
- Anti-Vibration and Anti-Shock under acceleration of 40G ( MIL-STD-810G standard )
- Hard drive automatic heating startup in cold weather
- Operating temperature - 40°C ~ + 80°C
- 8V~36V wide voltage power supply



## Specification

System	Language Operation Interface Password Security	English / Chinese Graphical User Interface (OSD menu) 2 Levels: Administrator & User
Video	Video Input	Supports 8 channels 1080P IP camera Video input
	Video Output Video Display Signal System Image Compression	2 Channels (Front Panel 3.5mm Jack, Rear Panel on 6 pin AV-OUT Port) Single picture, 1~8 pictures PAL / NTSC ( PAL@200 frame 1080P/sec; NTSC@240 frame 1080P/sec ) H.264 Main profile
Audio	Audio Input Audio Output Record Format	8 Channels 2 Channels (Front Panel 3.5mm Jack, Rear Panel on 9pin AV-OUT Port) Synchronized A/V recording
Recording & Storage	Image Resolution Video Coding	CIF / HD1 / D1 / 960H / 720P/1080P optional 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) 40Kbps
	Audio Bit Rate Storage	Up to 2*2TB HDD/SSD and 1 SD card for backup ( at 3G/4G/WIFI model option )
Alarm	Alarm Input Alarm Output Speed	7 Channels, Select Trigger for either less than 1VDC or greater than 5VDC 2 Channel, 12V output 1 Channel,
Communication Ports	RS485 RS232 USB	1 Port for PTZ control or Data Device usage 2 Port for communication or data usage 2 ports. The front one is USB 3.0 to download video files & upgrade firmware; the rear panel one is USB 2.0 to connect with external device.
Wireless Communication	3G 4G Wi-Fi	3G (HSUPA / HSDPA / WCDMA / EVDO / TD-SCDMA) optional Internal module 4G (TDD-LTE / FDD-LTE) optional module to match local cellular carrier Internal Wi-Fi 802.11b/g/n ( 2.4 / 5.8 Ghz ) optional
GPS	Int'l Standard GPS	Internal GPS module. Real-time geographic coordinates, speed information
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y and Z coordinates
Software	PC Playback IVMS	A/V, GPS, Mapview, Speed, G-Sensor, etc. files available for playback on PC. Limited playback is also available on MDVR Wireless (require Wi-Fi or cellular Option) real-time A/V monitoring, GPS, alarms, etc.
Software Upgrade	Local or Remotely	Upgrade through the front USB3.0 or remotely via IVMS platform
Voltage Input	+8V~+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 ≥6V	Power-off 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 >5V	Low voltage trigger High voltage trigger
Operational Temperature	-40 C ~ 80 C	Install in well ventilated area, protected from moisture, heat, dust and vibration
Dimensions	203x208x93.5mm	



Order Model	JH16-8NVR-NNN	JH16-8NVR-GNN	JH16-8NVR-GNW	JH16-8NVR-GWN	JH16-8NVR-GWW	JH16-8NVR-GFN	JH16-8NVR-GFW
Description	N/A	GPS	GPS WIFI5.8G	GPS 3G(WCDMA)	GPS 3G(WCDMA) WIFI5.8G	GPS 4G FDD	GPS 4G FDD WIFI5.8G

\*Images and specs may vary from products, please contact our sales for updated information.



## JA-MC818

- ★ 960P/1080P AHD
- ★ Wide angle 130°view (2.1mm lens)
- ★ IR LED  $\phi 8 \times 10$  pcs, infrared range up to 5 meters
- ★ With Audio



Camera



Camera



## JA-MC910

- ★ 2.8/3.6mm lens optional
- ★ Support D-WDR
- ★ It fits any angle of windshield for any type of vehicle
- ★ Anti-glare

JA-MC910



★ ANTI-GLARE ★

Other Camera



VS

# JA-MC912



- ★ 960P / 1080P AHD
- ★ Support D-WDR
- ★ Laser lights with IR range up to 20 meters
- ★ Side camera with 2.8 mm lens for angle 92°
- ★ Rearview back-up camera with 2.1 mm lens for angle 120°
- ★ Waterproof IP67, double-layer of aluminum alloy designed for double insulation



(120°)



★ WIDE ANGEL 120° ★

# JA-MC913

- ★ 960P/1080P AHD
- ★ Support D-WDR
- ★ Laser lights with IR range up to 20 meters
- ★ With 2.1 mm lens for angle 120°



# IP Vehicle Camera



JI-MC019

- ★ 1920\*1080 25 / 30FPS
- ★ 3.6mm lens optional with IR
- ★ High-resolution(2.0 Mega pixel)
- ★ Waterproof IP67
- ★ Support 12V POE power supply (802.3af)



JI-SP225

- ★ 1920\*1080, 25 / 30FPS
- ★ 2.8mm lens optional
- ★ Mini Camera
- ★ High-resolution(2.0 Mega pixel)
- ★ Support 12V POE power supply (802.3af)



JI-MC609

- ★ 1920\*1080, 25 / 30FPS
- ★ 2.8/3.6mm lens optional
- ★ High-resolution(2.0 Mega pixel)
- ★ Support IR function, infrared rang up to 10m
- ★ Audio fuction optional
- ★ Support 12V POE power supply(802.3af)



JI-MC510

- ★ 1920\*1080, 25 / 30FPS
- ★ 2.8/3.6mm lens optional
- ★ High-resolution(2.0 Mega pixel)
- ★ Support IR function, infrared rang up to 10m
- ★ Audio fuction optional
- ★ Waterproof IP67 optional
- ★ Support 12V POE power supply(802.3af)

# AHD Vehicle Camera



JA-612B

- ★ 960P/1080P AHD
- ★ 2.8/3.6mm lens optional
- ★ Support IR function, LED range 10m
- ★ Size: ø 59 x 52 mm



JA-MC225

- ★ 960P/1080P AHD
- ★ 2.8 / 3.6 mm lens optional
- ★ Mini Camera
- ★ Size: 49.5 x 47.5mm



JA-MC018

- ★ 960P/1080P AHD
- ★ 2.8/3.6mm lens optional
- ★ Waterproof IP67
- ★ Support IR function, LED range 10m
- ★ Size: 79 x 65 x 38mm



JA-MC609

- ★ 960P/1080P AHD
- ★ 2.8/3.6mm lens
- ★ Support IR function, infrared range up to 10m
- ★ Audio optional
- ★ Size: ø94 x 76 mm



JA-MC019

- ★ 960P/1080P AHD
- ★ 2.8/3.6mm lens optional
- ★ Waterproof IP67
- ★ Support IR function, LED range 30m
- ★ Size: 75 x 95 x 56mm



JA-MC510

- ★ 960P/1080P AHD
- ★ 2.8/3.6mm lens optional
- ★ Audio optional
- ★ Support IR function, LED range 10-15m
- ★ Size: ø 68.8 x 59.2 mm



JA-MC900

- ★ 960P/1080P AHD
- ★ Dual lens, with panic button
- ★ 2.8mm & 2.1mm (wide angle 130°)
- ★ 4pcs Laser IR LED, infrared range 5M
- ★ Size: 96x75x48mm



## Temperature Sensor

Uses a remotely mounted temperature sensor to monitor the temperature levels in refrigerator trucks and other temperature sensitive areas within a vehicle.

## Accessory

## Ultrasonic sensor for fuel level

Uses a remotely ultrasonic fuel sensor to monitor the gas oil level in tank of truck



## Press to Talk

Allows spoken communication between the driver and the Control Center.Communication may be initiated from either Driver or the Comm Center.



## Uninterrupted Power Supply (UPS)

Supports MDVR to continue working about half an hour when the vehicle is power off.



## RFID Reader

Allows the non-contact reading of industry standard RFID Card such as those used in by passengers and drivers of busses,taxis,etc.



## Driver Panic Button

To trigger the alarm in emergency

## Passenger Counter

Automatically count passengers getting on and off a bus, train, or other public transit system. It helps operators plan their timetables and routes and justify any fare revenue they get for running a particular service.



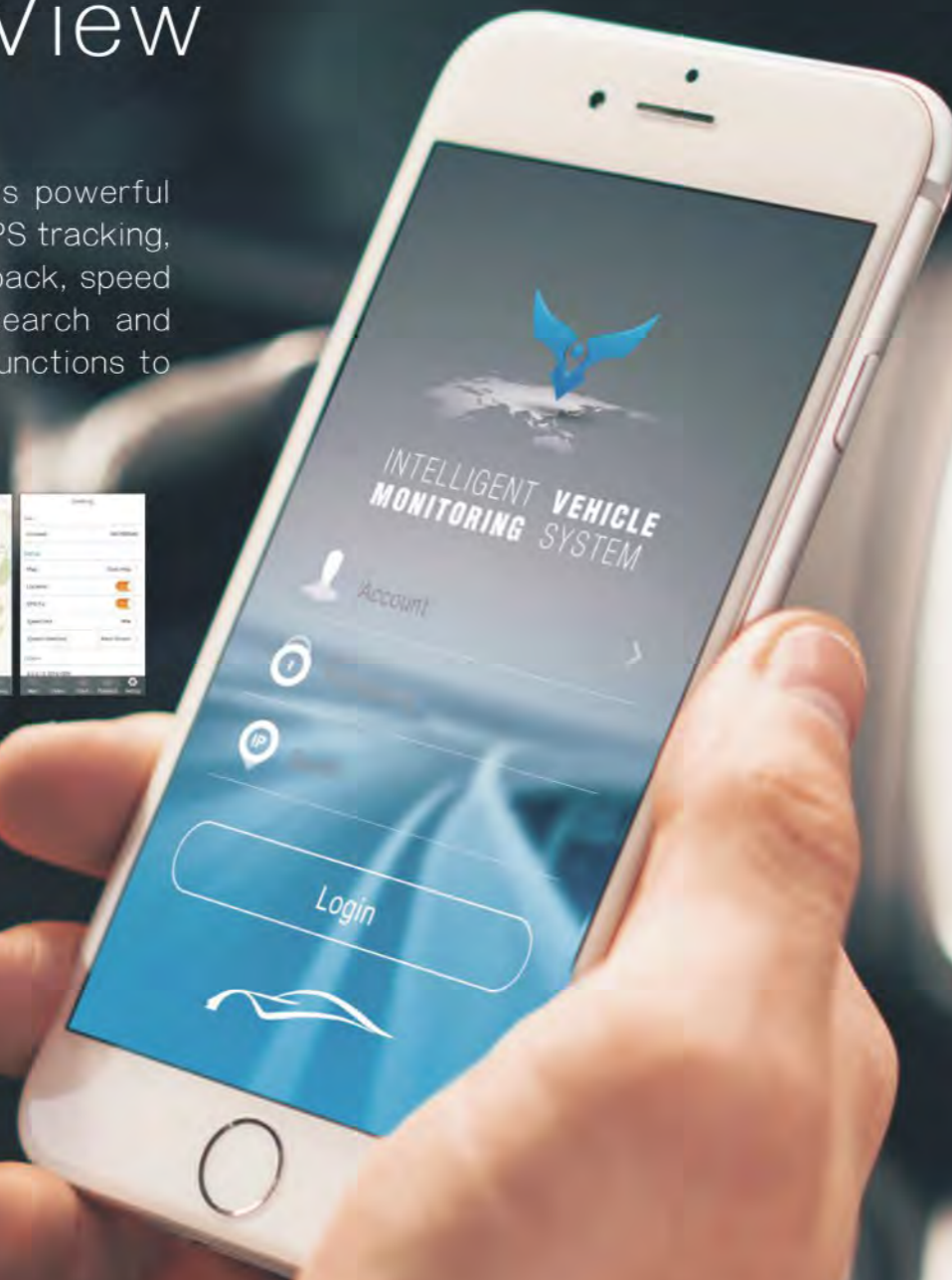
## Fireproof Black Box for Vehicle

Connects to MDVR, withstand a fire burning at 1100°C for 15 minutes and water under 100 meters. Data could be recorded safely in the fire or flood for vehicle crashes.



# iCarView

The mobile client iCarView, this powerful App includes real-time video, GPS tracking, vehicle movement history playback, speed information, specific video search and playback, snapshot and other functions to monitor your vehicles.



Real-time Video  
GPS Tracking  
Vehicle Movement History Playback  
Speed information  
Specific Video Search and Playback  
Snapshot  
PTZ Control

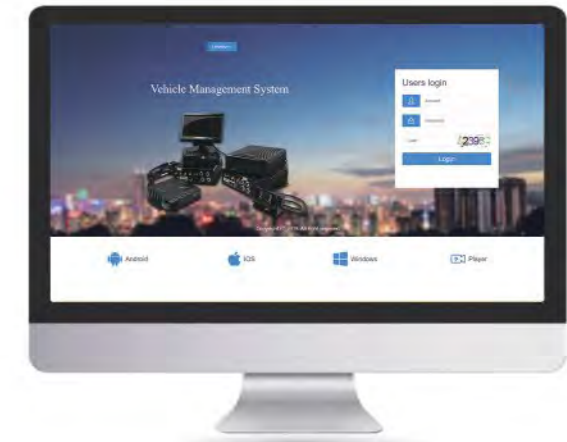


## IVMS

### Intelligent Vehicle Management Software



PC Client



Web Client

**IVMS Cluster Server System** is consist of login server, streaming server,user server, WiFi automatic download server, storage Server and data server, to provide a higher level of availability, reliability, and scalability, It is designed for vehicle surveillance application that has long-running in-memory state and frequently updated data. It ensures that users have constant access to important server-based resources.

### Features

Real-time Video and Audio  
Video Files Download & Playback  
GPS Tracking  
Vehicle Movement History  
GEO-Fence  
Snapshot  
PTZ Control  
Intercom  
Vehicle Status  
Alarms & Reports

### Alarms

- Driver Panic Button
- Video Lost / Signal Lost
- Recording Error
- Over Speed
- High / Low Temperature
- Motion Detection
- Parking Overtime
- Driver Fatigue
- Camera Blocked
- Door Opening
- Fuel Level
- ACC ON / OFF
- And more