

MS-7JH8H-GFW



Key Features

- Support 8 channels IPC + 4 channels 1080P AHD
- Expandable 12-CH IPC (Need switch)
- Support 2K/4K IPC
- Support H.265/264
- Support 2.5" HDD (up to 2TB) or SSD (up to 8TB), additional SD card (up to 1TB)
- Support AI function ADAS / DSM / BSD / 360-view optional
- Sleep mode: Detects vibration, intrusion, or towing after ignition off and wakes instantly to record & sends alerts to APP/IVMS.
- Remote wakeup: Manually activate recording anytime via APP/IVMS even after ignition off.
- Multi-Stream Storage: Simultaneous recording of main & sub streams
- Support AES-256 Encryption for video/audio data protection, TLS1.3 protocol for secure transmission
- Operating temperature -40°C ~ +80°C
- Anti-vibration protection

AI function

- ADAS (Advanced Driver Assistance Systems)
 - Safe Distance Warning
 - Forward Collision Warning
 - Lane Departure Warning
 - Pedestrian Collision Warning
- DSM (Driver Status Monitoring)
 - Eyes Closing Warning
 - Fatigue Driving Warning
 - Smoking Warning
 - Phone Call Warning
 - Camera Block Warning
 - Distraction Warning
 - Yawning Warning
 - Face Recognition
 - Seat-belt Warning
- BSD (Blind Spot Detection)
- HOD(Hand-off Detection)
 - Phone Use Warning
 - Hands-off Wheel Warning
 - Seat-belt Warning
- AVM(Around View Monitoring) 360-view

Note: AI camera calibration is not supported on non-Wi-Fi models.
To enable the calibration, a separate USB adapter can be purchased.

Applications

- City Buses & Coaches
- Double-Decker Buses
- Long-Haul Trucks
- Tanker Trucks
- Refrigerated Trucks
- Armored Police Vehicles
- Ambulances & Fire Trucks
- School Buses
- Airport Shuttles & Hotel Buses
- Heavy Dump Trucks
- Excavators & Loaders
- Cranes & Forklifts
- Garbage & Recycling Trucks

MoviSight®

System	
Language	English, and other languages supported
Operation Interface	Graphical User Interface(OSD menu)
Password Security	2 Levels: Administrator & User
Built-in Modules (Optional)	
GNSS	GPS, and other positioning modules supported
4G/5G	Optional
WiFi (2.4Ghz+5.8Ghz)	802.11 b/g/n/ac
G-Sensor (total 6 axes)	Integrated 3-axis G-SENSOR + 3-axis gyroscope

Video	
Video Input	Supports 4×30fps 1080P AHD + 8×30fps 4K IPC simultaneous input Option1 : · 2 channels 1080P AHD (DSM & ADAS) , and · 2 channels 1080P/960P/720P AHD/960H/D1/CIF , and · 8 channel IPC (4K/2K/1080P/720P) Option2 : · 4 channels 1080P/960P/720P AHD/960H/D1/CIF, and · 8 channels IPC (4K/2K/1080P/720P)
Video Output	3 Output Channels : · CVBS via Front Panel 3.5mm Jack · CVBS via 4PIN from the I/O cable · VGA(1280*1024)
Video Display	Supported split-screen layouts : 1/2/3/4/6/9/12 channels
Signal System	PAL / NTSC
Image Compression	H.265 /H.264 Main profile

Audio	
Audio Input	4 Channels
Audio Output	2 Channels (via Front Panel 3.5mm Jack & the 24pin Connector)
Record Format	Synchronized audio-video recording

Recording & Storage	
Image Resolution	CIF / HD1 / D1 / 960H / 720P /1080P optional
Video Bit Rate	CIF : 128Kbps ~ 1536Kbps
	HD1/D1 : 400Kbps ~ 2048Kbps
	960H : 400Kbps ~ 2048Kbps
	720P : 400Kbps ~ 4096Kbps
Picture Quality	1080P : 400Kbps ~ 4096Kbps
Picture Quality	8-level selectable (Level 1=Highest ~ Level 8=Lowest)
Audio Bit Rate	40Kbps
Storage	· Primary Storage : · 2.5" HDD (7mm~9mm, up to 2TB) · or 2.5" SSD (up to 8TB) · Backup Storage : · SD card slot (available on 4G/5G/WiFi models)

Alarm	
Alarm Input	8 Channels, voltage triggering options : Low-level trigger : <1 VDC High-level trigger : >5 VDC
Alarm Output	1 Channel, 12V

Communication Interfaces	
RS485	1× port(for PTZ control / data device)
RS232	2× ports(for data communication)
RJ45 Network	8+1, 100M Ethernet, supports up to 4K IP cameras
Speed	1 Channel(Optional, shared with the port IO /IN 8)
CAN Bus	1 Channel(Optional, shared with the port IO /IN 6-7)
USB Ports	Front Panel : USB 2.0(Type-A,firmware upgrade / data download / USB mouse) Rear Panel : USB 2.0(Type-C)

Basic Information		
Firmware Upgrade		Local : via Front-panel USB 2.0 port Remote : via IVMS platform
Voltage	Input	+9~+36V
	Output	12V(±0.2V) @ 3A max
Operational Temperature		-40°C ~ -80°C
Dimensions		192 x 184 x 61mm (L × W × H)
I / O Port		Low voltage trigger <1V High voltage trigger >5V

ADAS(Advanced Driver Assistance Systems)



Safe Distance Warning



Forward Collision Warning



Lane Departure Warning



Pedestrian Collision Warning

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



Seat-belt Warning (Only supported in JA-MC938)

BSD(Blind Spot Detection)



Blind Spot Detection

HOD (Hands Off Detection)



Phone Use Warning



Hands-off Wheel Warning



Seat-belt Warning

AVM (Around View Monitoring) 360-view



Panoramic 360



-GFW
GPS
4G/5G
WiFi

Standard Accessories (Included in the box)



Power Cable



Remote control



24PIN IO Cable
For CAN/IO/RS232/RS485/AV-out



Rear Cover



6PIN to 4PIN Converter Cable
For connecting a 4PIN AHD cam when a 6PIN DSM cam is not used.



Key & Screw



GPS Antenna
For GPS models



4G Antenna
For 4G models



WiFi Antenna x 2
For WiFi models

Recommended Accessories (Optional)



SD card
64G | 128G | 256G
Max. 1TB



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



5G Antenna
For 5G models



SSD 2.5"
1TB | 2TB | 4TB
Max. 8TB



HDD 2.5" 7mm-9mm
1TB | 2TB
Max. 2TB

External Devices (For extended functionality)



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



LED Control Panel
LED indicators for MDVR operation,
and onvenient wireless control



Intercom
Press-to-talk, two-way communication



RFID
Non-contact IC Card Reader



Audible Flashing Alert
Buzzer to remind pedestrians,
works with BSD



Panic Button
To trigger the alarm in emergency



OBD Data Box
To collect direct datas
from the vehicle



Card Writer
Writes driver/student info to IC cards



Plain IC Card
Input Driver / Student ID info.