

MoviSight



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, Remote wakeup.
- Multi-Stream Storage: Simultaneous recording of main & sub streams
- Support AES-256 Encryption for video/audio data protection, TLS 1.3 protocol for secure transmission
- Operating temperature -40°C ~ +80°C
- Anti-vibration protection



AI function

ADAS: Advanced Driver-Assistance Systems)

DSM: Driver Status Monitoring

FR: Face Recognition

BSD: Blind Spot Detection

HOD: Hand-off Detection

AVM: Around View System(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

Specification MS-7JH8-HYBRID(V3) 12CH HDD MNVR

System	
Language	English Russian Korean Portuguese Turkish Hebrew, 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 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	

MoviSight

ADAS(Advanced Driver-Assistance Systems)



Safe Distance Warning



Forward Collision Warning



Lane Departure Warning



Pedestrian Collision Warning

ADAS camera



Model: MS-7MC920

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 MS-7MC938)

DSM camera



Model: MS-7MC921



Model: MS-7MC938

BSD(Blind Spot Detection)



Blind Spot Detection

BSD camera



Model: MS-7C804



Model: MS-7MC313-H

HOD (Hands Off Detection)



Phone Use Warning



Hands-Off Wheel warning



Seatbelt Warning

HOD camera



Model: MS-7MC510

AVM (Around View System) 360 View



Panoramic 360

Panoramic 360 camera



Model: MS-7MC313

Order Model: MS-7JH8-HYBRID (V3)



Order Model	Config.	-GNN	-GNW	-GFN	-GFW
MS-7JH8-HYBRID	CVBS output		GPS	GPS	GPS
MS-7JH8-HYBRID-5G	CVBS output, 5G	GPS	WiFi	4G/5G	4G/5G
				G	G
					WiFi

Standard Accessories (Included in the box)



Power Cable



Remote control



24PIN IO Cable
For CAN/O/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



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



Audible Flashing Alert
Buzzer to remind pedestrians,
works with BSD



Panic Button
To trigger the alarm in
emergency



RFID
Non-contact IC Card
Reader



Card Writer
Writes driver/student info
to IC cards



Plain IC Card
Input Driver / Student ID
info.



OBD Data Box
To collect direct datas
from the vehicle