

DS-M7508HNI Series Mobile NVR



Introduction:

Adopting embedded Linux operating system, Hikvision DS-M7508HNI series dedicated Mobile NVR (Network Video Recorder) provides powerful monitoring functionalities, including audio and video encoding & decoding, 3G & Wi-Fi wireless network transmission, satellite positioning service, secure data storage, hard disk vibration damping. It can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system.

Thanks to the features of high stability, easy-to-carry and low power consumption, the DS-M7508HNI series Mobile NVR is widely applied to the surveillance projects of public transportations, school buses, etc.

Available Models:

DS-M7508HNI, DS-M7508HNI/GW, DS-M7508HNI/GW/WI.



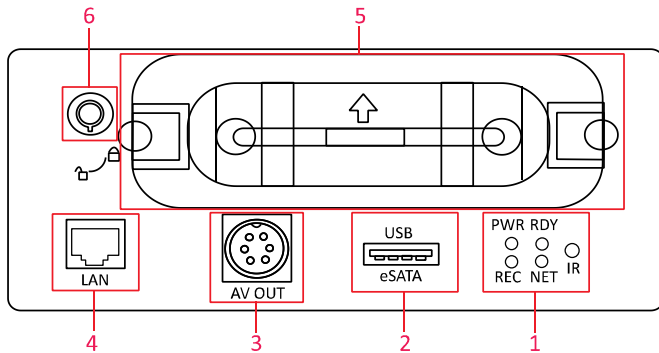
The 3G dialing function is only supported by the "/GW" devices.

Main Features:

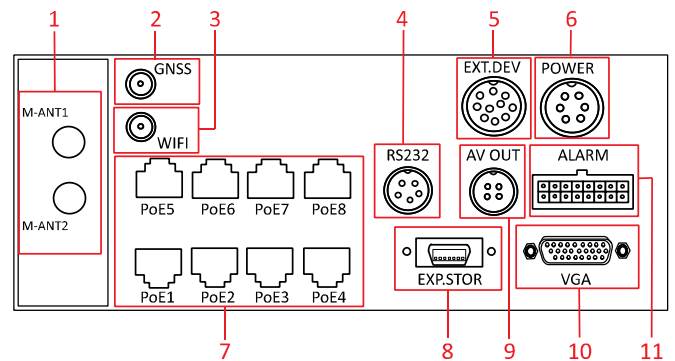
- User-friendly GUI providing easy and flexible operations
- Pluggable 3G (WCDMA) module providing flexible data transmission solutions
- Pluggable GPS (Global Positioning System) module precisely positioning the vehicle via the satellite and recording the location information in the video stream
- Hikvision private protocol (4000 protocol) and ONVIF supported
- 8 independent network interfaces connectable to 8 IP cameras; each channel supports up to 1080P resolution with H.264 encoding technology
- 3-ch CVBS video outputs and 3-ch audio outputs
- 1-ch VGA video output at up to 1920×1080 resolution
- Two pluggable 2.5-inch HDDs/SSDs, adopting hard disk vibration damping technology
- Information collection interfaces collect driving information such as left/right turn, braking, backing up, etc.
- Hard disk box with USB interface supports intelligent temperature control and data export
- Specialized aviation plugs ensure signal stability
- Built-in G-sensor detects and records acceleration speed information in 3-axial (X, Y, Z) directions
- Delay (0 h to 6 h) shutdown and 24-hour scheduled startup/shutdown
- Wide-range power input (+8VDC to +36 VDC)
- Power-off protection prevents key data from loss
- Aluminum die-cast chassis with no fan design well adaptable to working environment
- Software-based firewall supported
- Connectable to PTZ camera and PTZ control is supported
- Support accessing via WEB browser

Physical Interfaces:

Front Panel



Rear Panel



Index	Name	Description
1	Indicators	IR: IR Receiver Receive IR signal from remote control.
		PWR: Power indicator Light in green after device startup; light in red when device standby.
		RDY: Ready indicator Light in green after device starts up properly.
		REC: Record indicator Light in green in recording; light off when all recording channels are abnormal.
		NET: Network indicator Light in green when network connection is normal.
2	USB / eSATA	USB interface, eSATA interface
3	AV OUT	6-pin aviation plug for audio & video output; providing DC12V power supply.
4	LAN	10M/100M self-adaptive Ethernet interface
5	Hard disk lock	Lock/Unlock the hard disk box.
6	Hard disk box	Insert two 2.5-inch SATA HDDs/SSDs for data storage.

Index	Name	Description
1	M-ANT1;	3G antenna interfaces (M-ANT2, reserved)
	M-ANT2	
2	GNSS	GNSS antenna interface
3	Wi-Fi (optional)	Wi-Fi antenna interface
4	RS232	RS-232 interface, 5-pin aviation plug
5	EXT.DEV	10-pin aviation plug for RS-422 interface, two-way audio interface, and video output
6	POWER	6-pin aviation plug for power supply and start control
7	PoE1~POE8	PoE interfaces connectable to IP cameras, providing the power supply
8	EXP.STOR (reserved)	Connectable to external storage device
9	AV OUT	4-pin aviation plug for audio & video output; providing DC12V power supply.
10	VGA	VGA interface
11	ALARM	Alarm input / output interfaces



● Part function is optional. For details, see the actual device model.
Pin definition of aviation plugs is for reference only. For details, see the tag on the corresponding component.

Specifications:

Model		DS-M7508HNI	DS-M7508HNI/GW	DS-M7508HNI/GW/WI
	IP video input	8-ch, PoE supported		
	Two-way audio	1-ch, G.722		
	Incoming bandwidth	160 Mbps		
Video/Audio output	Recording resolution	1080p/720p		
	VGA output	1-ch Resolution: 1920×1080/60Hz, 1280×1024/60Hz, 1280×720/60Hz, 1024×768/60Hz		
	CVBS output	3-ch		
		Aviation plug (1.0 Vp-p, 75 Ω); resolution: PAL: 704×576, NTSC: 704×480		
	Audio output	3-ch		
Aviation plug (linear level, 600 Ω)				
Decoding	Live view	8-ch		
	Synchronous playback	1-ch		
Hard disk	Type	Two 2.5-inch SATA HDDs/SSDs, external storage expansion supported (reserved) Note: If two HDDs/SSDs are installed, the disk size should be of 7mm.		
	Capacity	Two 1 TB capacity supported		
	Installation	Pluggable		
	Protection	3-generation hard disk box		
	Backup	Hard disk box, USB interface, and eSATA interface supporting data backup		
Wireless	Dialing	Not supported	3G (WCDMA), dual SIM card mode reserved	
Network	Wi-Fi	Not supported		802.11 b/g/n supported, 2.4GHz
Positioning	GNSS	GPS		
External interface	Alarm input	7-ch high/low level signal input; 1-ch pulse signal input; 3mm connector		
	Alarm output	2-ch; 3mm connector		
	Network interface	One RJ45 10M/100M self-adaptive Ethernet interface		
	PoE	Eight RJ45 10M/100M self-adaptive PoE interfaces		
	Antenna interface	No support	SMA interface for GPS	One for Wi-Fi and one for GPS
	Serial interface	RS-232, RS-422, aviation plug		
	eSATA interface	1		
	USB interface	One USB 2.0		
	EXP.STOR	Connectable to external HDD for storage expansion (reserved)		
	SIM card	2, standard SIM card slots (one for reserved)		
General	Operating system	Linux		
	Operating method	IR remote control		
	Power supply	Input: +8 to +36VDC; Output: 12 VDC/2 A, 5 VDC/1 A		
	Consumption	Standby: Max. 0.5W; Full load: Max.20W (without IP camera or hard disk)		
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F) with enterprise-class HDD; -20 °C to +60 °C (-4 °F to 140 °F) with industrial-class HDD. Note: for enterprise-class HDD, when the temperature < 0 °C, the heater for hard disk is needed.		
	Working humidity	10% to 90%		
	Dimensions (W×D×H)	245.8mm×202mm×86.87mm		
	Weight	≤ 3.3kg (without hard disk)		
	Certification	CE,FCC,EMARK,EN50155,EN45545,Vibration Test(ILAC-MAR,CNAS)		