DS-MP7608HN(B) Intelligent Mobile Video Recorder

Introduction

Hikvision DS-MP7608HN(B) Intelligent MVR is based on deep-learning algorithm, it is mainly designed for driver behavior supervision and traffic safety protection. The product can detect multiple event types such as using mobile phone, smoking, fatigue driving, and not looking straight ahead. When abnormal behavior events occur, the early warning alert function is able to overlay the warning information on preview, and search the corresponding record file.

Key Feature

● Connects 8-ch IP cameras via PoE interfaces. Connects 8 more IP cameras via PoE switch.

● Up to 1080p resolution of H.264/H.265 compression for each IP camera.

● One CVBS video output interface. One VGA video output interface with up to 1080p resolution.

● 1-ch driver behavior analysis: using mobile phone, smoking, fatigue driving, and not looking straight ahead.

● 2-ch LPR or 1-ch face recognition (work separately).

● Two pluggable 2.5-inch HDDs/SSDs, adopting hard disk vibration damping technology.

● Pluggable 3G/4G module and Wi-Fi module providing flexible data transmission solutions.

● Built-in GPS (Global Positioning System) module precisely positioning the vehicle via the satellite and recording the location information in the video stream.

● Information collection interfaces collecting driving information such as left/right turning, braking, reversing, etc.

● Shutdown delay (0 h to 6 h) and 24-hour scheduled startup/shutdown.

● Wide-range power input (+9 VDC to +32 VDC).

● Power-off protection prevents key data from loss.

● Supports accessing via WEB browser.

● Aluminum die-cast chassis.

Available Model

DS-MP7608HN(B), supporting M12
DS-MP7608HN(B)/GW/WI58, supporting M12, 3G dialing, and 5.8G Wi-Fi
DS-MP7608HN(B)/GLF/WI58, supporting M12, 4G dialing, and 5.8G Wi-Fi

Specifications

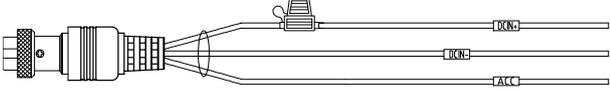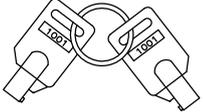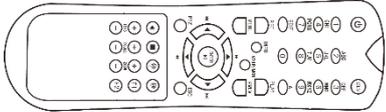| Model		DS-MP7608HN(B)/M12(/GW)(/WI)(/WI58)
Video/Audio Input	IP Camera	16 in total: 8 IP cameras connected via PoE interfaces, 8 IP cameras extendable via PoE interfaces
	Two-way Audio	1, integrated in EXT.DEV interface
Video/Audio Output	Video Output	CVBS: 1, PAL: 704 × 576, NTSC: 704 × 480
		VGA: 1, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768
	Audio Output	1
Encoding/Decoding parameters	Video Compression	H.264, H.265
	Encoding Resolution	Main stream: 1080p/720p/WD1/4CIF, sub-stream: 4CIF/2CIF/CIF
	Frame Rate	PAL: 1 to 25fps; NTSC: 1 to 30fps
	Audio Compression	G.722
	Stream Type	Video, video & audio
	Audio Bitrate	16 Kbps
	Dual Stream	Support
Storage	HDD/SSD	2 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD
		Dummy HDD with USB 3.0 interface
	SD card	1 × SD card, up to 256 GB
Wireless network	3G/4G dialing	1 × 3G/4G card slot, 1 × Rosenberger antenna
	Wi-Fi	● WI58 model: 2 × 5.8 G Wi-Fi SMA antenna ● WI model: 1 × 2.4 G Wi-Fi SMA antenna
Positioning	GNSS (Global Navigation Satellite System)	GPS (Global Positioning System), 1 × Rosenberger antenna
PoE	PoE Interface	8 × M12 PoE interface
	Max. Consumption	51 W
External interface	Network Interface	● Front panel: 1 × 10M/100M/1000M RJ45 Ethernet interface ● Rear panel: 1 × 10M/100M/1000M M12 Ethernet interface
	Serial Port	2 × RS-232, 1 × RS-485, 1 × RS-422 (integrated in EXT.DEV interface)
	CAN interface	2
	USB Interface	Front panel: 1 × USB 3.0, Rear panel: 1 × USB 2.0 of 5-pin aviation plug
	Sensor-in	4 high/low level signal inputs
	Alarm Input	4 high/low level signal inputs, 1 pulse signal input, 1 BUTTON input (reserved)
	Alarm Output	2 relay signal outputs
Smart Function	Driver Behavior Analysis	Using mobile phone, smoking, fatigue driving, and not looking straight ahead
	LPR	Support
	Face Recognition	Support
General	Operating Method	Mouse, IR remote control, Web control, and touchscreen
	Power Supply	9 to 32 VDC
	Consumption	Standby: ≤ 0.5 W Full load: ≤ 99 W Note: Without peripheral and storage media ≤ 20 W
	Working Temperature	● Device that provides dummy HDD with heating function: -30 °C to +60 °C (-22 °F to +140°F) ● Other devices: -10 °C to +60 °C (14 °F to 140°F)
	Working Humidity	10% to 95%
	Dimensions (W × D × H)	202 × 267.6 × 93.9 mm (8.0 × 14.5 × 3.7 inch)
	Weight (Without Storage Media)	3.66 kg (8.07 lb)

Physical Interfaces

Front Panel
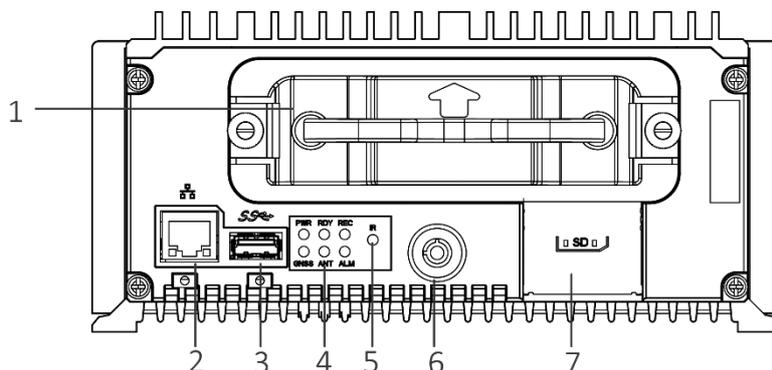
No.	Name	No.	Name
1	Dummy HDD/SSD	4	Power indicator
2	10M/100M/1000M RJ45 Ethernet interface		Ready indicator
3	USB 3.0 interface		Record indicator
5	IR receiver		GNSS indicator
6	Lock/Unlock the hard disk box		ANT indicator
7	SD card slot		Alarm indicator

Rear Panel
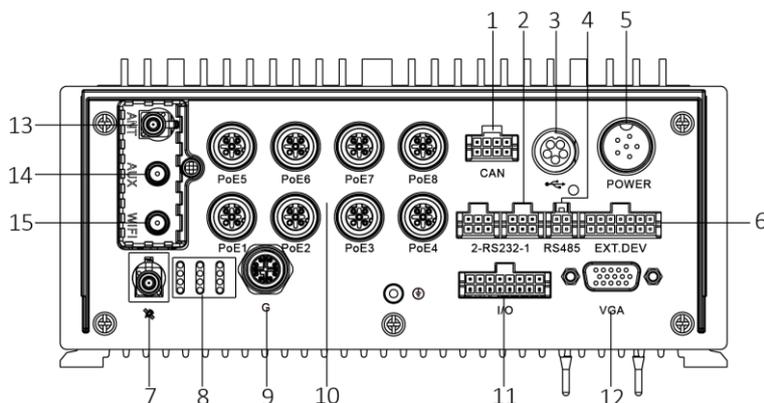
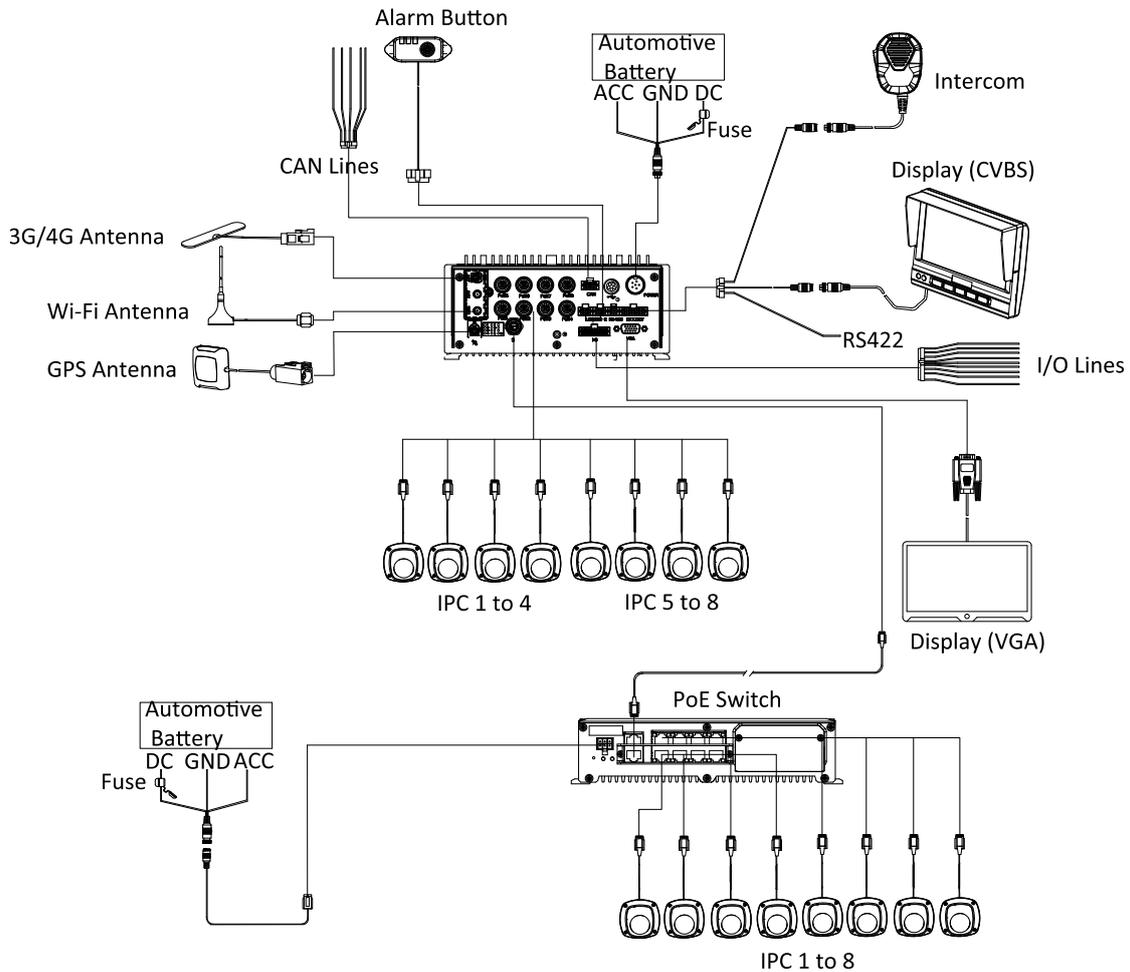| No.	Name	No.	Name
1	2 × CAN interface	9	10M/100M/1000M M12 Ethernet interface
2	2 × RS-232 interface	10	8 × M12 PoE interface
3	USB interface of 5-pin aviation plug	11	I/O interface: 4-ch alarm input, 2-ch alarm output, 4-ch sensor in, 1-ch pulse signal input
4	RS-485 interface	12	VGA video output interface
5	6-pin aviation plug for power supply	13	Main 3G/4G antenna interface
6	EXT.DEV interface: RS-422 communication interface, two-way audio interface, and CVBS video output	14	Aux Wi-Fi antenna interface
7	GNSS antenna interface	15	Main Wi-Fi antenna interface
8	Channel and network indicators		

Packing List

Description	Quantity	Picture	Note
Fuse	2		
Power cord	1		
Key	1		
Remote control	1		
Alarm line	1		
Serial port line	1		
485 line	1		
Extension cable	1		
Screwdriver	1		
CAN cable	1		
3G/4G antenna	1		For GW/GLF model.
Wi-Fi antenna (2.4G)	1		For WI model.
Wi-Fi antenna (5.8G)	2		For WI58 model.
GPS antenna	1		For model with GPS module.
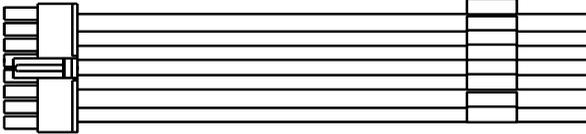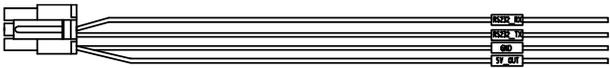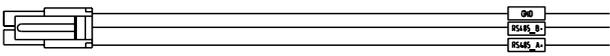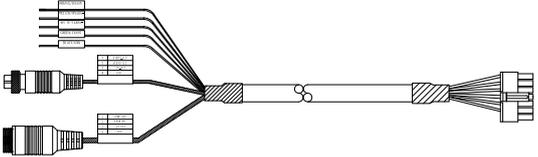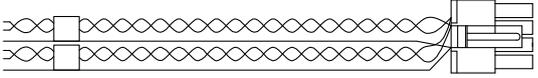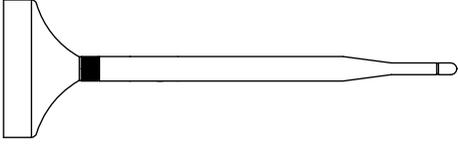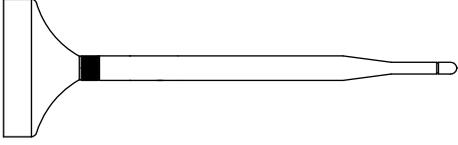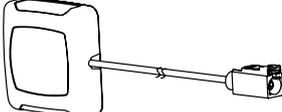
Peripheral Connection

Alarm Button

Automotive Battery
ACC GND DC
Fuse

Intercom

CAN Lines

Display (CVBS)

3G/4G Antenna

Wi-Fi Antenna

GPS Antenna

RS422

I/O Lines

IPC 1 to 4   IPC 5 to 8

Display (VGA)

Automotive Battery
DC GND ACC
Fuse

PoE Switch

IPC 1 to 8