DS-MP7608 Series Mobile Video Recorder

Key Feature

- User-friendly GUI providing easy and flexible operations.
- Pluggable 3G/4G module and built-in Wi-Fi module providing flexible data transmission solutions.
- Supports connecting high-definition TVI camera.
- 8 analog & 8 IP channels of audio & video inputs connectable; each channel supports up to 1080p resolution with H.264/H.265 encoding technology.
- Information collection interfaces collecting driving information such as left/right turn, braking, reversing, etc.
- Specialized aviation connectors ensuring signal stability.
- Ignition startup and delay (0 to 6h) shutdown.
- Battery protection avoids vehicle from running out of battery.
- Wide-range power input (+ 9 to + 32 VDC).
- Power-off protection avoids key data from loss.
- Tensile aluminum chassis with no fan design well adaptable to working environment.
- Software-based firewall supported.
- GNSS (Global Navigation Satellite System) module precisely positioning the vehicle via the satellite and recording the location information in the stream.
- Stores videos on SD card when the HDD/SSD is damaged.
- Support standard 256 GB Micro SD/SDHC/SDXC card storage.
- Dummy HDD with USB interface supporting intelligent temperature control and data export.
- Output bandwidth limit configurable.

Available Model

DS-MP7608,
DS-MP7608 + DS-MP1460/GW, (Supports 3G dialing),
DS-MP7608+ DS-MP1460/GW/WI58, (Supports 3G dialing and 5.8G Wi-Fi),
DS-MP7608+ DS-MP1460/GLF, (Supports 4G dialing),
DS-MP7608+ DS-MP1460/GLF/WI58, (Supports 4G dialing and 5.8G Wi-Fi)
* 3G/4G and Wi-Fi functions are supported only when DS-MP1460 Mobile Wireless Component is equipped with DS-MP7608.

Specification

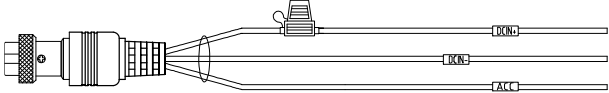| Model		DS-MP7608
Video/Audio Input	Analog Camera	8 TVI cameras, up to 1080p resolution
	IP Camera	8 IP cameras, extendable via PoE switch
	Two-way Audio	1, integrated in EXT.DEV interface
Video/Audio Output	Video Output	CVBS: 2
		VGA: 1
Encoding/Decoding Parameters	Video Compression	H.264/H.265
	Encoding Resolution	Main stream: 1080/720/WD1/4CIF
		Sub-Stream: 4CIF/2CIF/CIF
	Frame Rate	PAL: 1 to 25 fps, NTSC: 1 to 30 fps
	Audio Compression	G.711/G.722.1
	Stream Type	Video, video & audio
	Audio Bitrate	16 Kbps
	Dual Stream	Supported
Storage	HDD/SSD	2 × 2.5 inch HDD/SSD, up to 2 TB for each HDD/SSD
	SD Card	1 × SD card, up to 256 GB
Wireless Network	3G/4G Dialing	1 × 3G/4G card slot, 1 × Rosenberger antenna (Optional. WCDMA and FDD-LTE modules are supported.)
	Wi-Fi	WI58 model: 2 × 5.8 G Wi-Fi SMA antenna (Optional. 802.11B/G/N and 802.11AC are selectable. 1 antenna is needed for 802.11B/G/N module. 2 antennas are needed for 802.11AC module.)
Positioning	GNSS (Global Navigation Satellite System)	GPS (Global Positioning System) & GLONASS (Global Navigation Satellite System), 1 × Rosenberger antenna
G-Sensor	G-Sensor	Built-in
External Interface	Network Interface	1 × RJ45 10M/100M self-adaptive Ethernet interface
	Serial Port	3 × RS-232, 2 × RS-485, 1 × RS-422
	CAN	2
	USB Interface	● Front panel: 1 × standard USB 2.0 and 1 × A-type USB 3.0 ● Rear panel: 1 × USB 2.0 (5-pin aviation connector)
	Sensor-in	4 high/low level signal inputs, 1 pulse signal input
	Alarm Input	4 high/low level signal inputs
	Alarm Output	2 relay signal outputs
General	Operating Method	Mouse, IR remote control, and Web control
	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%
	Dimension (W × D × H)	202 × 267.6 × 93.9 mm (7.95 × 10.53 × 3.7 inch)
	Weight (Without Storage Media)	3 .66 kg (8.07 lb)

Physical Interface

Front Panel
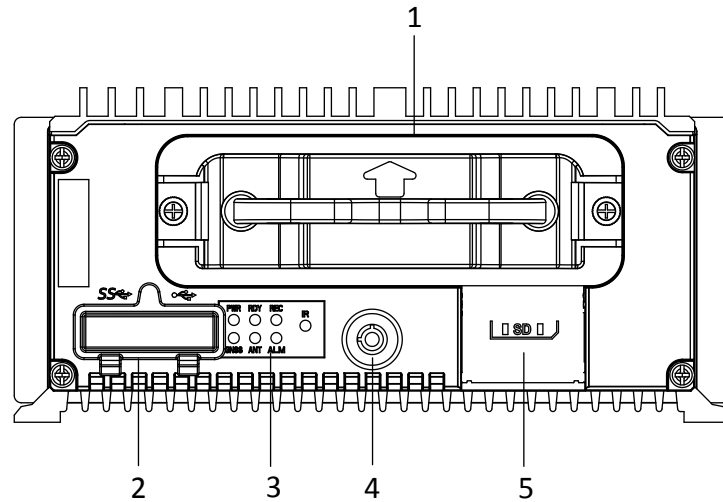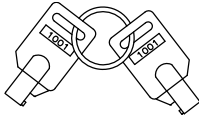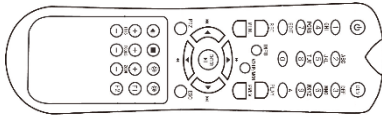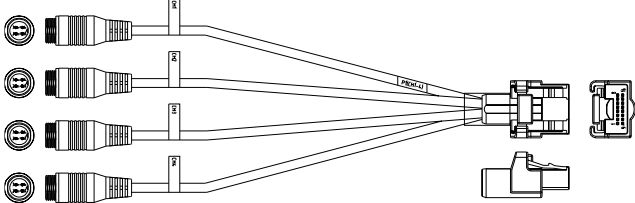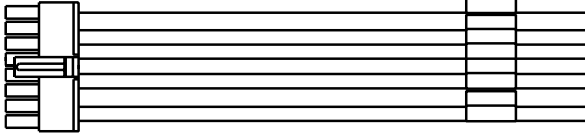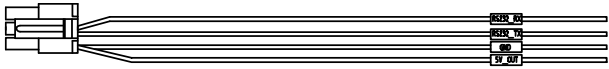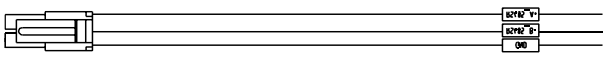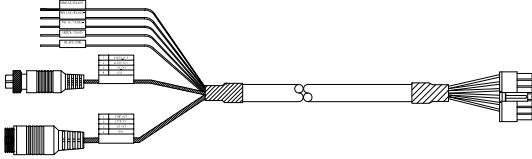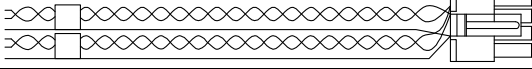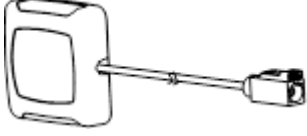
No.	Name	No.	Name
1	Dummy HDD		PWR: Power indicator
2	USB 2.0 and 3.0 interfaces		RDY: Ready indicator
4	Dummy HDD lock	3	REC: Record indicator
5	SD card slot		ALM: Alarm indicator
			ANT: Dialing indicator
			GNSS: GPS indicator
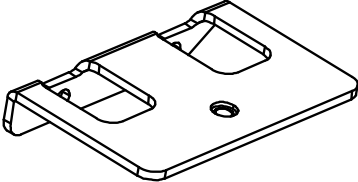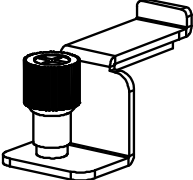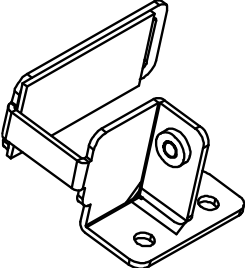
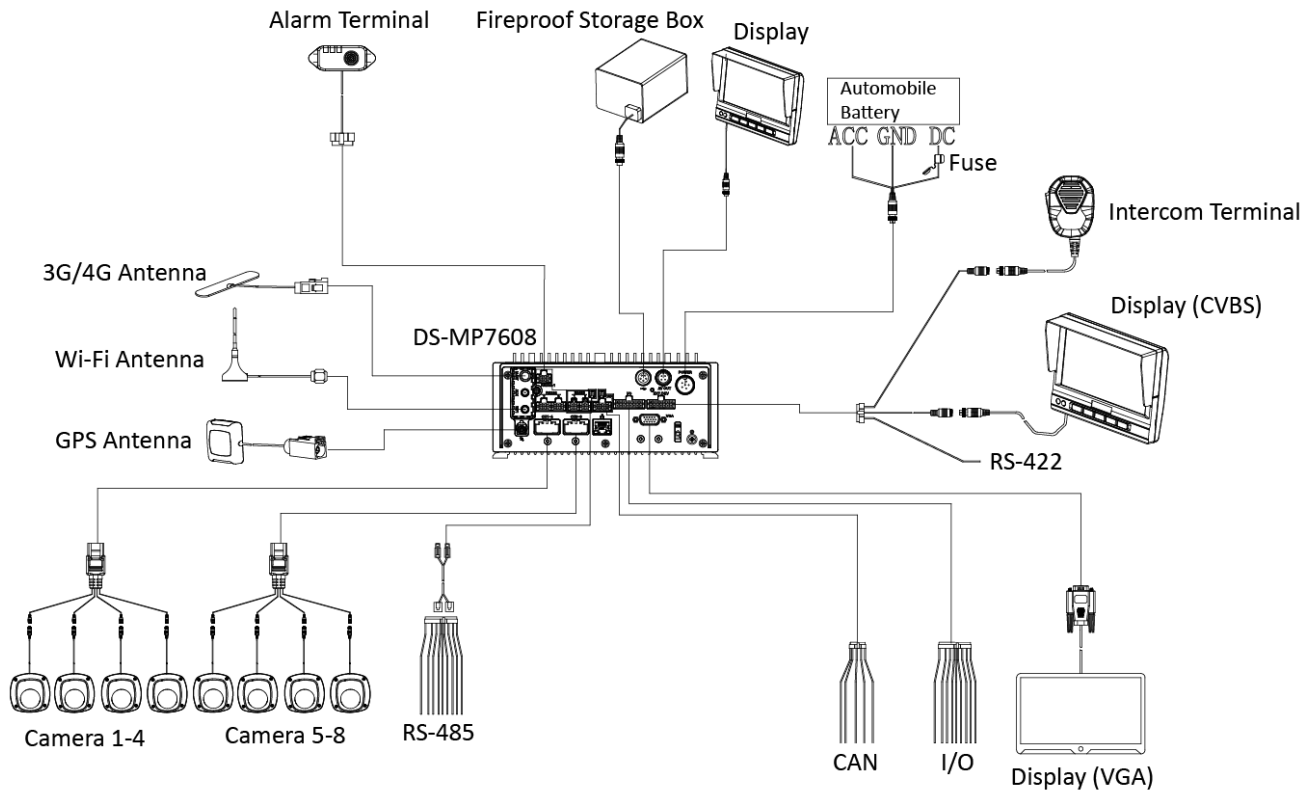## Rear Panel
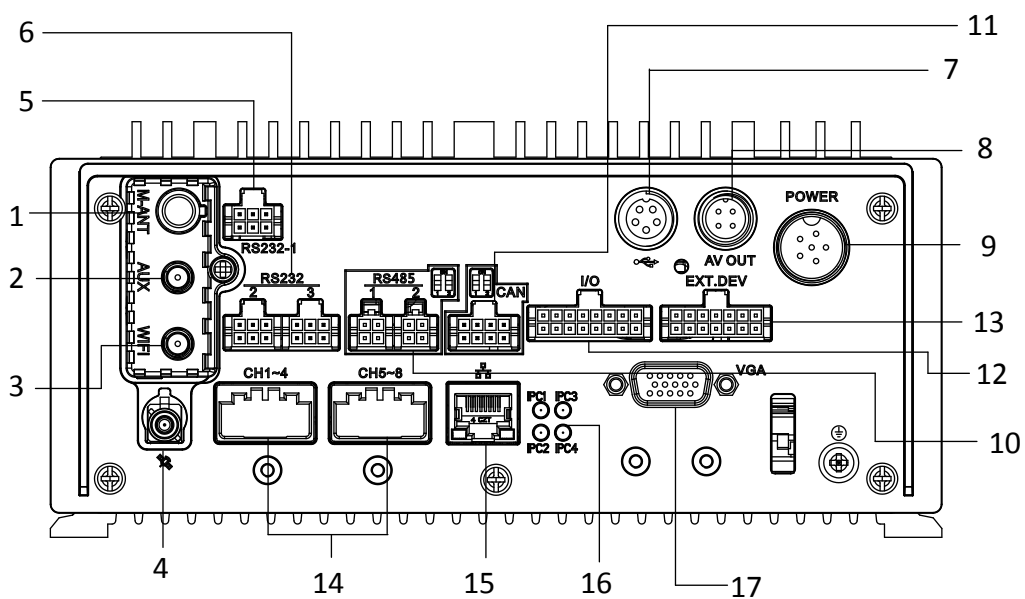
No.	Name	No.	Name
1	M-ANT (3G/4G antenna interface)	10	RS-485-1 and RS-485-2 interfaces
2	AUX (Auxiliary Wi-Fi antenna interface)	11	CAN (automobile bus line interface)
3	WIFI (Wi-Fi antenna interface)	12	I/O (ALARM IN, ALARM OUT, and sensor-in)
4	(GNSS antenna interface)	13	EXT.DEV (RS-422 communication interface, two-way audio interface, and CVBS video output)
5	RS-232-1 interface	14	Analog camera inputs
6	RS-232-2 and RS-232-3 interfaces	15	Network interface
7	USB 2.0 of 5-pin aviation connector	16	IP camera status indicators
8	AV OUT (LCD interface)	17	VGA
9	Power supply		

Packing List

Description	Quantity	Picture	Note
Fuse	2		
Power cord	1		
Key	1		
Remote control	1		
Video cable	2		
Alarm line	1		
RS-232 line	1		
RS-485 line	2		
Extension cable	1		
Screwdriver	1		
CAN cable	1		
GPS antenna	1		
Video cable fixing bracket-up	1		

Video cable fixing bracket-down	1		
VGA bracket-up	1		
VGA bracket-down	1		

Peripheral Connection

Alarm Terminal   Fireproof Storage Box   Display

Automobile Battery
ACC GND DC — Fuse

Intercom Terminal

3G/4G Antenna

Wi-Fi Antenna

DS-MP7608

Display (CVBS)

GPS Antenna

RS-422

Camera 1-4   Camera 5-8   RS-485

CAN   I/O   Display (VGA)