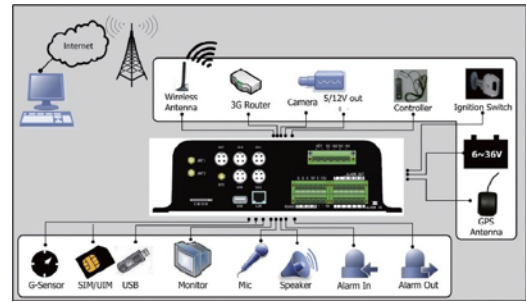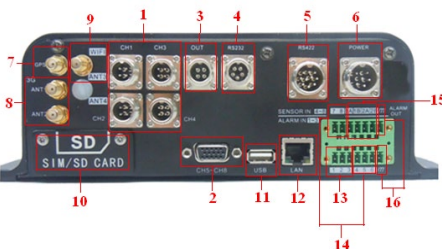# DS-8104/8106HMI-ST   Mobile DVR

Key features

- H.264 video compression
- Up to 4CIF resolution recording
- 2x2.5-inch SATA interfaces
- Patented hard disk vibration-proof and bracing technology
- Built-in 3G (WCDMA/cdma2000) module (optional)
- Built-in GPS module

Panel of DS-8106HMI-ST

1. CH1, CH2, CH3, CH4: 4-pin aviation plug for audio & video input and voltage output of channel 1-4.
2. Ch5-CH8: DB15-to- aviation plug for audio & video input and voltage output of channel 5-8.
3. OUT: 4-pin aviation plug for video output and audio output and voltage output.
4. RS232: 5-pin aviation plug for RS-232 and voltage output.
5. RS422: 10-pin aviation plug for RS-422 and voltage output.
6. POWER: 6-pin aviation plug for voltage input and KEY startup interface.
7. GPS: GPS antenna.
8. 3G (ANT1 ANT2): Wireless network main/aux antenna.
9. WIFI (ANT4): WIFI antenna (reserved).
10. SIM/SD CARD: SD/SDHC card interface; SIM/UIM card interface.
11. USB: USB interface.
12. LAN: Network interface.
13. ALARM IN (1~3): Alarm input interface.
14. SENSOR IN (4~8): Driving status interface. Channel 8 is reserved.
15. ALARM OUT (1A 1B 2A 2B): Alarm (relay) output interface.
16. Common terminal for alarm input and driving status input.

Specifications

	DS-8104HMI-ST	DS-8106HMI-ST
Video / Audio input		
Analog video input	4-ch	6-ch
	Aviation plug (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive	
Audio input	4-ch	6-ch
	Aviation plug (linear electrical level, 1 KΩ)	
Video / Audio output		
Video Output	1-ch CVBS video output, aviation plug (1.0 Vp-p , 75 Ω) Resolution: PAL: 704 × 576, NTSC: 704 × 480	
Audio Output	1-ch, aviation plug (linear electrical level, 600 Ω)	
Video / Audio encoding		
Video compression	H.264	
Encoding resolution	Channel1: 4CIF / 2CIF / CIF Channel2-4: CIF	Channel1-2: 4CIF / 2CIF / CIF Channel3-6: CIF
Video frame rate	PAL: 1~25 fps, NTSC: 1~30 fp	
Video bit rate	32 Kbps ~ 2048 Kbps, or user defined (Max. 4 Mbps)	
Stream type	Video, Video & Audio	
Audio compression	G.711	
Audio bit rate	16 Kbps	
Hard disk		
HDD type	2, 2.5-inch SATA interfaces for Pluggable HDD/SSD disks	
HDD patent	Patented hard disk vibration reduction technology	
Data backup	Backup by pluggable HDD/USB devices	
Wireless Transmission		
3G	Built-in cdma2000, WCDMA, TD-SCDMA module (optional)	
WIFI	Built-in WIFI module, 802.11 b/g/n, 2.4 GHz (reserved)	
GPS		
GPS	Built-in high-sensitivity GPS chip	
External interface		
Driving Information Collection	4-ch high/low-level signal input, 1-ch pulse signal input(reserved)	
Alarm In	3-ch high/low-level signal input	
Alarm Out	2-ch relay output	
LAN	1 RJ-45 network interface	
Antenna interface	SMA interfaces for 2 3G antennas, 1 WIFI antennas and 1 GPS antenna	
USB/eSATA Interface	1 USB 2.0 interface	
Serial Interface	1 aviation plug for RS-232; 1 aviation plug for RS-422	
SIM/UIM	1 standard SIM/UIM slot	
SD/SDHC	1 standard SD/SDHC slot	
General		
Operating System	Embedded Linux Operating System	
Power Supply	Input: +6 ~ +36 VDC; Output: +12 VDC / 2A, +5 VDC / 2A	
Operating Mode	IR Remote Control	
Power Consumption	≤ 10W	
Working Temperature	-15 ºC ~ +55 ºC (5 ºF ~ 131 ºF)	
Working Humidity	10% ~ 95%	
Size (W×D×H)	236 × 210× 73 mm (9.3 × 8.3× 2.9 in)	
Weight	≤ 3 kg / 6.6 lb	