

JOIN JDS-8000HMI series specification

JDS-8000HMI Series Mobile DVRs



Product type

Network DVR specially designed for vehicle monitoring (onboard DVR), an integration of DVR and DVS-recorder.

Video Compression Standard : H.264.

Video processing chip : DSP.

Typical applications: video surveillance for cash carrying vehicles, buses, passenger vehicles and railway passenger compartments, etc.

Order models

JDS-8001HMI, JDS-8002HMI, JDS-8003HMI and JDS-8004HMI

Special Notice

The 1-channel model supports up to 4CIF resolution, and DCIF, 2CIF, CIF and QCIF etc. are also supported.

The 2-channel model supports up to DCIF resolution, and 2CIF, CIF and QCIF, etc. are also supported.

The 3-channel model and 4-channel model supports up to CIF resolution, and QCIF is also supported.

JDS-1002HMI onboard backup device for high speed backup, parameter setting and other auxiliary operations is available.

Special notice

JDS-8000HMI supports ESATA interface for back-up

The HDD reinforce technology which source from military use is a national patent

JDS-8000HMI can shut off by some time delay after vehicle flameout

JDS-8000HMI series mobile DVRs are designed specially for vehicle surveillance. They have both features of digital video recorder (DVR) and digital video server. They use special vibration control solution for stable recording in vehicle.

JDS-8000HMI series mobile DVRs include following models:

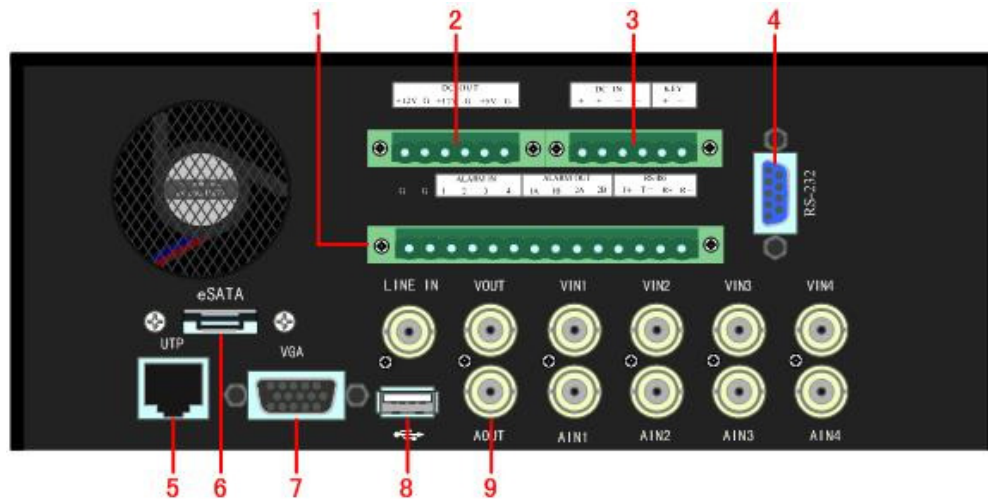
JDS-8001HMI: 1-ch video input and 1-ch audio input, max support 4CIF compression resolution real time. Support 1 SATA HDD.

JDS-8002HMI: 2-ch video input and 2-ch audio input. The 1st channel can max support DCIF compression resolution real time. Other channel can max support CIF compression resolution real time. Support 1 SATA HDD.

JDS-8003HMI: 3-ch video input and 3-ch audio input. The 1st channel can max support DCIF compression resolution real time. Other two channels can max support CIF compression resolution real time. Support 1 SATA HDD.

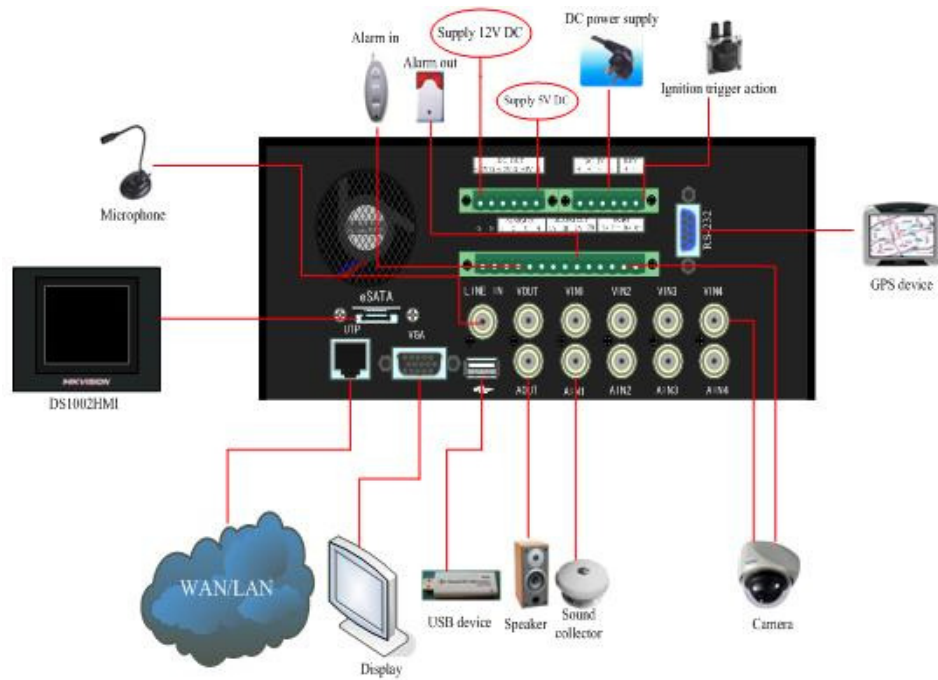
JDS-8004HMI: 4-ch video input and 4-ch audio input. All channels can max support CIF compression resolution real time. Support 1 SATA HDD.

Hardware interface



- ① Alarm input, output and RS485 interface;
- ② DC output;
- ③ DC input;
- ④ Standard RS232 serial interface;
- ⑤ UTP network interface (the same as ETHERNET network interface) ;
- ⑥ eSATA data backup interface;
- ⑦ VGA display output interface;
- ⑧ Audio/Video output, USB backup interface;
- ⑨ VOUT local video surveillance interface, AOUT local audio surveillance interface;

Typical linkage



Model	JDS-8000HMI			
Video standard	H.264			
Preview resolution	4CIF real time			
Video input	1-ch	2-ch	3-ch	4-ch
	TNC 1.0Vp-p, 75Ohm			
Compression resolution	4CIF/DCIF/2CIF/CIF/QCIF			
Composite video output	1 channel TNC, 1.0Vp-p, 75Ohm			
Frame rate	25FPS/30FPS (PAL/NTSC) per channel			
Stream type	Video or Video&Audio			
Bit rate	32kbps -- 2Mbps (Self definition)			
Audio input	1-ch	2-ch	3-ch	4-ch
	TNC 2.0Vp-p, 1KOhm			
Audio output	1 channel TNC Liner output, 600Ohm			
Audio compression	OggVorbis, 16kbps			
Voice interface	1 TNC Line in, 1KOhm			
Network interface	1 RJ45 10M/100M UTP network port, can be connected with external CDMA, EDGE, GPRS and WLAN wireless module			
RS-232 interface	1 DB9			
HDD interface	1 SATA interface. HDD can max support 2000GB			
Backup interface	1 E-SATA interface for high speed backup			
USB interface	1 USB1.1			
VGA interface (optional)	1			
External alarm input	4			
Relay output	2			
Wireless network (optional)	Wireless network (CDMA)			
Remote control	Special IR controller/wire controller for mobile DVR			

EMC	GB 13837-2003
GPS module (optional)	Insert longitude, latitude and vehicle speed
LCD	Support external 5.5 or 7 inch color TFT LCD monitor
Power input	DC +12V (work range is 8V – 28V) or DC +24V (work range is 10v – 32V)
Power output	One DC +12V/2A output
Power consumption	26W (without HDD)
Working temperature	-20°C -- +65°C
Working humidity	10%--95%
Size	290mm*225mm*90mm
Weight	5Kg (without HDD)
Model	JDS-1002HMI
HDD interface	1 IDE HDD interface
External interface	1 E-SATA interface 2 1394 interface 1 USB2.0 interface
Video input	1 channel TNC (1.0Vp-p, 75Ohm)
Power supply	DC +12V
Power supply adapter	100V-240V input and DC+12V output
Power consumption	10W (without HDD)
Working temperature	-20°C -- +65°C
Working humidity	10%--90%
Size	195mm*170mm*80mm
Weight	3Kg (without HDD)
LCD	5.5 inch color TFT LCD monitor