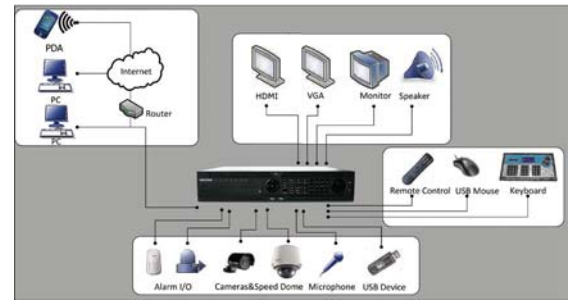


# DS-9104/9108/9116HFI-RH High-end DVR



## Key features

- H.264 video compression
- 4CIF resolution real-time recording
- HDMI output at up to 1920×1080P resolution
- 4/8/16-ch synchronous playback
- RAID0,1,5,10 supported
- HDD with hot-swap capability

Rear Panel of DS-9116HFI-RH



1. Video in, audio in
2. Video spot out (for video live view only), audio spot out
3. Video out, audio out
4. Line in
5. VGA interface
6. Video loop out
7. RS-232 serial interface
8. eSATA interface
9. LAN network interface
10. USB interface
11. RS-485 matched resistance switch
12. RS-485 serial interface, keyboard interface, alarm in, alarm out
13. GND
14. 100~240VAC Power input
15. HDMI interface

## Specifications

	DS-9104HFI-RH	DS-9108HFI-RH	DS-9116HFI-RH
<b>Video / Audio input</b>			
Video compression	H.264		
Video input	4-ch, BNC (1.0 Vp-p, 75 Ω), PAL /NTSC adaptive	8-ch, BNC (1.0 Vp-p, 75Ω), PAL/NTSC adaptive	16-ch, BNC (1.0 Vp-p, 75Ω), PAL/NTSC adaptive
Audio compression	OggVorbis		
Audio input	4-ch, BNC (2.0 Vp-p, 1 kΩ)	8-ch, BNC (2.0 Vp-p, 1 kΩ)	16-ch, BNC (2.0 V p-p, 1 kΩ)
Voice talk input	2-ch, BNC(2.0 Vp-p, 1 kΩ)		
<b>Video / Audio output</b>			
CVBS output	2-ch, BNC (1.0 Vp-p, 75Ω); resolution: PAL: 704 × 576, NTSC: 704 × 480		
HDMI output	1-ch, resolution: 1024 × 768 /60 Hz, 1280 × 1024 /60 Hz, 1920 × 1080 /60 Hz		
VGA output	1-ch, resolution: 1280 × 1024 /60 Hz, 1024×768 /70 Hz, 1024 × 768/60 Hz,		
Encoding resolution	4CIF /DCIF /2CIF /CIF /QCIF		
Video loop out	Optional		
Frame rate	25 fps (P) / 30 fps (N)		
Video bit rate	32 Kbps-2048 Kbps, or user defined (Max. 6144 Kbps)		
Audio output	2-ch, BNC (Linear, 600 Ω)		
Audio bit rate	16 Kbps		
Dual stream	Support		
Stream type	Video/Video & Audio		
Synchronous playback	4-ch	8-ch	16-ch
<b>Hard disk</b>			
SATA	8 SATA interfaces		
eSATA	1 eSATA interface		
Capacity	Up to 2TB capacity for each disk		
<b>Disk array</b>			
Array type	RAID0, RAID1, RAID5, RAID10		
Number of array	8		
Number of virtual disk	8		
<b>External interface</b>			
Network interface	1, RJ45 10M /100M /1000M adaptive Ethernet		
Serial interface	1 RS-232 interface (for parameters configuration, maintenance, transparent channel);1 RS-485 interface (for PTZ control);1 RS-485 keyboard interface (for special keyboard control)		
USB interface	3, USB2.0		
Alarm in	16		
Alarm out	4		
<b>General</b>			
Power supply	100~240 VAC, 6.3A, 50~60Hz		
Consumption	≤ 70 W (without hard disk or DVD-R/W)		
Working temperature	-10°C ~ +55°C		
Working humidity	10% ~ 90%		
Chassis	19-inch rack-mounted 2U chassis		
Dimensions (W x D x H)	445 × 470 × 90 mm		
Weight	≤ 8kg (without hard disk or DVD-R/W)		