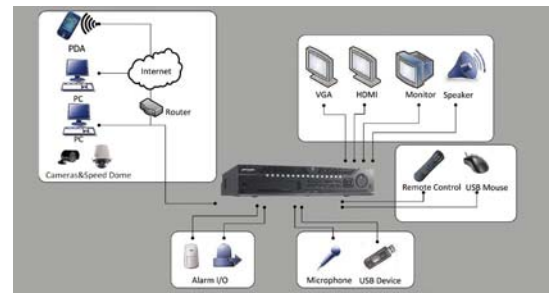


# DS-9104/9108/9116HFI-ST High-end DVR



## Key features

- H.264 video compression
- 4CIF resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8/16-ch synchronous playback
- HDD quota and group management
- Dual Gigabit network interfaces

Rear Panel of DS-9116HFI-ST



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard Interface, alarm in, alarm out
16. GND
17. 100~240VAC power input
18. Power switch

## Specifications

|                             | DS-9104HFI-ST  | DS-9108HFI-ST   | DS-9116HFI-ST   |
|-----------------------------|--|---|---|
| <b>Video / Audio input</b>  |  |   |   |
| Video compression           | H.264  |   |   |
| Video input                 | 4-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  | 8-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSCself-adaptive                  | 16-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive                |
| Audio compression           | OggVorbis  |   |   |
| Audio input                 | 4-ch, RCA (2.0 Vp-p, 1 kΩ)   | 8-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ)<br>Audio 5-8: DB26 connector   | 16-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ)<br>Audio 5-16: DB26 connector |
| Voice talk input            | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |   |   |
| <b>Video / Audio output</b> |  |   |   |
| HDMI output                 | 1-ch, resolution:1024×768 /60 Hz, 1280×720 /60 Hz, 1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P /50 Hz, 1920×1080P /60 Hz  |   |   |
| VGA output                  | 1-ch, resolution:1024×768 /60 Hz, 1280×720 /60 Hz,1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P /60 Hz  |   |   |
| CVBS output                 | 1-ch, BNC (1.0 Vp-p, 75 Ω),resolution: PAL: 704×576, NTSC: 704×480   |   |   |
| Video spot output           | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480  | 4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480 | 4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480 |
| Video loop out              | 4-ch   | 8-ch  | 16-ch   |
| Encoding resolution         | 4CIF / 2CIF / CIF / QCIF   |   |   |
| Frame rate                  | 25fps(P) / 30fps(N)  |   |   |
| Video bit rate              | 32Kbps - 8192Kbps, or user defined (Max. 8192 Kbps)  |   |   |
| Audio output                | 2-ch, RCA (2.0 Vp-p, 1 kΩ)   |   |   |
| Audio bit rate              | 16kbps   |   |   |
| Dual-stream                 | Support  |   |   |
| Stream type                 | Video, Video & Audio   |   |   |
| Playback resolution         | 4CIF / 2CIF / CIF / QCIF   |   |   |
| Synchronous playback        | 4-ch   | 8-ch  | 16-ch   |
| <b>Hard disk</b>            |  |   |   |
| SATA                        | Up to 8 SATA interfaces  |   |   |
| eSATA                       | 1 eSATA interface  |   |   |
| Capacity                    | Up to 4TB capacity for each disk   |   |   |
| <b>External interface</b>   |  |   |   |
| Network interface           | 2, RJ45 10M / 100M / 1000M self-adaptive ethernet interface  |   |   |
| Serial interfaces           | 1 RS-232 interface (for parameters confi guration, maintenance, transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control) |   |   |
| USB interface               | 2 x USB2.0   |   |   |
| Alarm in                    | 4  | 16  | 16  |
| Alarm out                   | 2  | 4   | 4   |
| <b>General</b>              |  |   |   |
| Power supply                | 100-240 VAC, 6.3A, 50-60Hz   |   |   |
| Consumption                 | ≤35W   | ≤40W  | ≤45W  |
| 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)   |   |   |