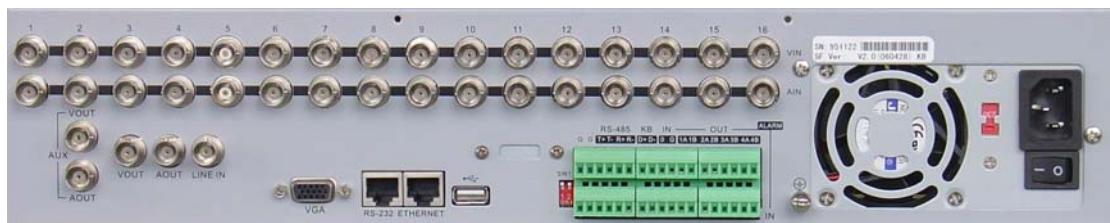**HIKVISION**

# DS-8000HCI-S Series Net DVR

HIKVISION DS-8000HCI-S series network digital video recorder is a new generation excellent digital surveillance product. It uses the Real Time OS and embedded MCU. It has both features of digital video recorder (DVR) and digital video server (DVS). It can work stand-alone or be used to build a powerful network, widely used in surveillance fields.



Front Panel



Rear Panel of DS-8016HCI-S

## Model name:

**DS-8004HCI-S:** 4-ch video input and 4-ch audio input. Each camera can max support CIF resolution real time. 4 SATA interfaces.

**DS-8008HCI-S:** 8-ch video input and 8-ch audio input. Each camera can max support CIF resolution real time. 8 SATA interfaces.

**DS-8012HCI-S:** 12-ch video input and 12-ch video output. Each camera can max support CIF resolution real time. 8 SATA interfaces.

**DS-8016HCI-S:** 16-ch video input and 16-ch audio input. Each camera can max support CIF resolution real time. 8 SATA interfaces.

**Note: The defaulted DVRs are without HDD and CD-R/W.**

PAL: 176*144(QCIF), 352*288(CIF), 704*288(2CIF), 528*384(DCIF), 704*576(4CIF);
NTSC: 176*120(QCIF), 352*240(CIF), 704*240(2CIF), 528*320(DCIF), 704*480(4CIF).

# Features:

## Main features:

Real Time OS.
Embedded MCU.
High performance DSP hardware compression.

## Compression function:

H.264 video compression algorithm and each channel can be real time (PAL is 25FPS and NTSC is 30FPS).
Support multi-zone motion detection.
Support mask function to mask sensitive area.
Support view tampering alarm function for spiteful camera block.
Support video signal loss alarm function.
Support position configurable OSD&LOGO.
Support both variable bit rate and variable frame rate.
Support dual-stream and the sub stream can support CIF/QCIF compression resolution.

## Storage function:

8 SATA interfaces maximum, can support 8 SATA HDD and each HDD can max support 2000GB.
Support HDD sleep mode.
Support HDD S.M.A.R.T function.
Support FAT32 file system.
Support many record mode: all time record, motion detect record, external alarm record, motion & alarm record, motion | alarm record, manual record.
Support cycle and non-cycle record mode.
Support USB flash disk, USB hard disk and USB CD-R/W for backup.

## Preview & Playback function:

Support one main monitor and VGA.
Support one spot monitor for preview and playback.

Support 2-channel synchronous playback.
Support playback fast, slow, pause, forward, backward, frame by frame, etc.
Use define preview layout.

# Network function:

Support TCP, UTP, RTP, Multicast, DHCP, etc.
Support ADSL (PPPoE) dialup function.
Support narrow band (PSTN) dialup function.
Remote parameters setup.
Remote playback, download the recorded files in DVR.
Remote upgrade DVR firmware.
Remote control PTZ.
Support Internet Explore for network preview.
Remote get alarm information of DVR.

# Others:

Support network voice talk.
Support PTZ local and remote control.
Support multi-lever user management.
Support local and remote search log function.
Automatically recovery from exceptions leads to high reliable.
Provide SDK and demo source code to shorten the application development time.

# Specification

| Model name | DS-8004HCI-S | DS-8008HCI-S | DS-8012HCI-S | DS-8016HCI-S |
|---|---|---|---|---|
| Video compression | H.264 | | | |
| Preview resolution | 4CIF real time (PAL: 704*576, NTSC: 704*480) | | | |
| Playback resolution | CIF/QCIF real time | | | |
| Video input | 4 | 8 | 12 | 16 |
| | BNC (1.0Vp-p, 75Ω) | | | |
| Main video output | 1 channel, BNC (1.0Vp-p, 75Ω) | | | |
| Aux video output | 1 channel, BNC (1.0Vp-p, 75Ω) | | | |
| Frame rate | PAL: 1/16—25FPS, NTSC: 1/16—30FPS | | | |
| Stream type | Video/ Video&Audio | | | |
| Max bit rate | 32Kbps--2Mbps, self-define | | | |
| Audio input | 4 | 8 | 12 | 16 |
| | BNC (2.0Vp-p, 1kΩ) | | | |
| Main audio output | 1 channel, BNC (Linear Electrical Level, 600Ω) | | | |
| Aux audio output | 1 channel, BNC (Linear Electrical Level, 600Ω) | | | |
| Audio compression | OggVorbis, 16Kbps | | | |
| Voice talk | 1 channel, BNC (Linear Electrical Level, 1KΩ) | | | |
| Communication interface | 1 RJ45 10M/100M Self-adaptive Ethernet Interface<br>1 RJ45 RS232 Port | | | |
| RS-485 Port | 1 Port (T+, T-, R+, R-) | | | |
| Keyboard interface | 1 Port (D+, D-) | | | |
| SATA interface | 4 | 8 | 8 | 8 |
| USB interface | 1 USB interface, USB1.1, can support USB flash memory, USB HDD and USB CD-R/W | | | |
| VGA interface | 1 VGA interface, support resolution: 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz | | | |
| External alarm in | 4 | 16 | 16 | 16 |
| Relay output | 2 | 4 | 4 | 4 |
| Power supply | 100~240VAC, 6.3A, 50~60Hz | | | |
| Power consumption | 20－42W (without HDD and CD-R/W) | | | |
| Working temperature | -10℃－－＋55℃ | | | |
| Working humidity | 10％--90％ | | | |
| Size | 19" Standard (450mm*450mm*95mm) | | | |
| Weight | ≤8Kg (without HDD and CD-R/W) | | | |