



DS-6104HCI DVS
Technical Manual

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1. Overview

HIKVISION DS-6104HCI network digital video server is newly designed especially for remote surveillance. It adopts the embedded MCU and Linux OS, which is completely independent of PC platform, making the product more steady and reliable.



DS-6104HCI Front Panel



DS-6104HCI Rear Panel

2. Model Description

DS-6104HCI: 4 channels video input and 4 channels audio input. Each channel can max support 4CIF compression resolution.

3. Features

3.1 Compression

- Embedded Linux OS
- TI DaVinci hardware compression
- H.264 video compression algorithm and each channel can be real time (PAL is 25FPS and NTSC is 30FPS).
- Support up to 4CIF compression resolution.

3.2 Local Functions

- Support multi-zone motion detection
- Support sensitive areas mask function
- Support video signal loss alert
- Support variable bit rate and variable frame rate
- Support position changeable OSD&LOGO

3.3 Network

- Support TCP, UTP, RTP, Multicast, DHCP, PPPoE, HTTP, etc.
- Remote parameters setup.
- Remote upgrade DVS firmware.
- Remote control PTZ.
- Support Internet Explore for network preview.
- Remote get alarm information of DVS.

3.4 Others

- Multi-level user management
- Support network voice talk
- Support PTZ remote control
- Support multi-level user management
- Automatically recovery from exceptions
- Provide SDK and client demo source code

4. Specifications

Model	DS-6104HCI
Video compression	H.264
Compression resolution	4CIF/DCIF/2CIF/CIF/QCIF
Video input	4
Video input interface	BNC (1.0Vp-p, 75Ω), support PAL, NTSC
Frame rate (per channel)	4CIF/DCIF/2CIF: 4fps for 4-ch CIF: 25(P)/30(N) fps
Stream type	Video /Video&Audio
Support dual stream	Yes
Bit rate	32Kbps~2Mbps, or user-defined(Max. 8Mbps)
Audio input	4
Audio input interface	BNC (2Vp-p, 1kΩ)
Audio output	1 channel (linear electrical level, 600Ω)
Audio compression	OggVorbis, 16Kbps
Voice talk input	1 channel (2Vp-p, 1kΩ)
Communication interface	1 RJ45 10M/100M Adaptive Ethernet interface, 1 RS232 interface and 1 RS485 interface
Alarm input	4 channels
Alarm output	2 channels
Power supply	12V DC
Power consumption	≤7W
Working temperature	-10°C~+55°C
Working humidity	10%~90%
Size(mm)	39mm(H)*198mm(W)*123mm(D)
Weight	≤1 Kg

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).