

DHI- NVS0104/0204/0404HDC

Network Video Server



- > H.264+/H.264 dual-stream video compression
- > Support HDCVI/AHD/TVI/CVBS/IP video inputs
- > Support built-in 2.4G/5G Wi-Fi module and 4G module
- > Support high quality two-way talk
- > Support Micro SD card, maximum support 128G
- > 1/2/4 channel video and audio inputs



System Overview

Dahua as a technology leader, is always the first ever developed the shining new technology in the security industry, and today we present a new generation of NVS. As the perfect solution to upgrade existing video surveillance systems, NVS0104/0204/0404HDC supports penta-brid access technology such as HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options.

Designed as a full compatibility product, this NVS is able to provide end user the simplicity of analog system, namely lower system cost, simple installation and use of existing cable. It is ideal for a wide range of applications such as public safety, retail store, transportation, home protection and education.

Functions

Smart H.264+

Smart Codec, H.264+ can reduce up to 70% bit rate and storage requirements without having to invest in new cameras.

HDCVI/AHD/TVI/CVBS Auto-detect

The NVS can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

Built-In Wi-Fi/4G Module(Optional)

The NVS can be equipped with built-in 2.4G/5G Wi-Fi module or 4G module. Two 4G modules are available. The frequency bands are listed below:

- 1) LTE-TDD Quad-band Band 38/39/40/41;
 LTE-FDD Tri-band Band 1/3/5;
 TD-SCDMA Dual-band Band 34/39;
 UMTS Dual-band Band 1/5;
 GSM Quad-band 850/900/1800/1900;
- 2) LTE-TDD Quad-band Band 38/39/40/41;
 LTE-FDD Dual-band Band 1/3;
 TD-SCDMA Dual-band Band 34/39;
 UMTS Single Band 1;
 EVDO Single Band 800MHz;
 CDMA1x Single band 800MHz;
 GSM Quad-band 850/900/1800/1900;

Intelligent Video System (IVS)

With built-in intelligent video analytics, the NVS has the ability to detect and analyze moving objects for improved video surveillance. The NVS provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed.

Technical Specification

System

| | |
|---------------------|------------------------------------|
| Main Processor | Embedded Processor |
| Operating System | Embedded LINUX |
| Operation Interface | No local interface, operate on web |

Recording

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|-------------------|---------------------|
| Video Compression | H.264+/H.264/MJPEG |
| Audio Compression | G.711A, G.711U, PCM |

Video

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|--------------------|---|
| HDCVI Camera Input | 1/2/4 Channel, BNC |
| IP Camera Input | 1/2/4 Channel, each channel up to 5MP |
| Video Out | 1 TV Out, reuse Audio Out |
| Resolution | 1080P, 1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF |
| Record Rate | Main stream: NVS0104/0204HDC: 1080P/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) NVS0404HDC: 1ch*1080P(1~25/30fps)+3ch*1080P(1~15fps); 4ch*1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub stream:CIF/QCIF(1~25/30fps) |
| Bit Rate | 1Kbps ~ 6144Kbps Per Channel |
| Record Mode | Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop |
| Record Interval | 1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec |
| Privacy Masking | With an any size area for shelter protection in full screen, 4 rectangular zones (each camera) |

Audio

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|--------------|-------------------------------|
| Audio In | 1/2/4 |
| Audio Out | 1 |
| Two-way Talk | 1 Mic In, reuse Audio Out |
| Sample Rate | 8KHz, Two-way Talk(48KHz) |
| Bit Rate | 64Kbps, Two-way Talk(384Kbps) |

Storage

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|--------------|----------|
| Storage Mode | Micro SD |
| | Network |

Third-party Support

| | |
|---------------------|---|
| Third-party Support | Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more |
|---------------------|---|

Interface

| | |
|-------------------|--|
| SD | 1 Port |
| Alarm In/Out | 4/2 |
| Network | 1 RJ45 Port, 10M/100M self-adaptive Ethernet interface |
| RS485 | 1 Port, for PTZ Control |
| RS232 | 1 Port, for PC Communication and Keyboard |
| 4G | built-in module(Optional) |
| 2.4G/5G Wi-Fi | built-in module(Optional) |
| Indicator Light | ACT/NET/ALM/VIDEO |
| Antenna interface | 1 Port, for built-in wireless module |

General

| | |
|----------------------|---|
| Power Supply | DC12V/2A |
| Power Consumption | <10W (Without HDD) |
| Operating Conditions | -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa |
| Storage Conditions | -20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH |
| Dimensions | 136mm×162mm×30mm (5.4" x 6.4" x 1.2") |
| Net Weight | 0.57kg (1.26lb) |
| Gross Weight | 1kg (2.2lb) |
| Installation | Desktop installation |

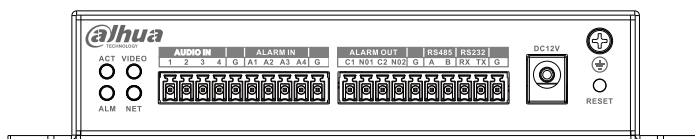
Certifications

| | |
|----------------|---|
| Certifications | FCC: CFR 47 Part 15 subpart B, 2016 |
| | CE: EN 55032:2015, EN 55024:2010+A1:2015, EN 50130-4:2011+A1:2014, EN 61000-3-3:2014, EN 61000-3-3:2013 |
| | UL: 60950-1 & CAN/CSA C22.2 No. 60950-1-07 |

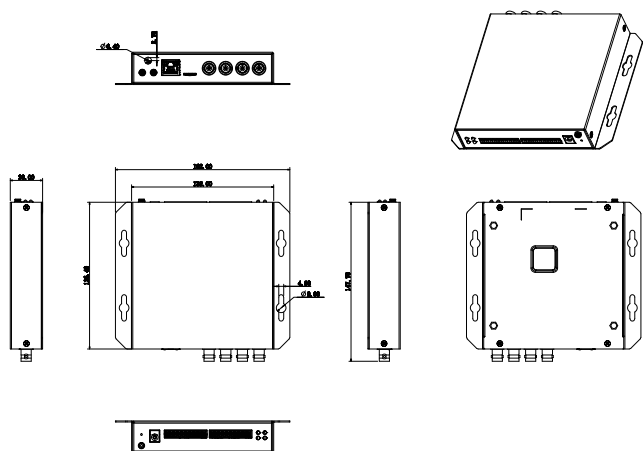
Ordering Information

| Type | Part Number | Description |
|---------------|----------------|--------------------------------|
| 1 Channel NVS | DHI-NVS0104HDC | 1 Channel Network Video Server |
| 2 Channel NVS | DHI-NVS0204HDC | 2 Channel Network Video Server |
| 4 Channel NVS | DHI-NVS0404HDC | 4 Channel Network Video Server |

Front Panel

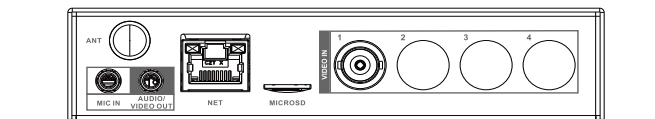


Dimensions (mm)

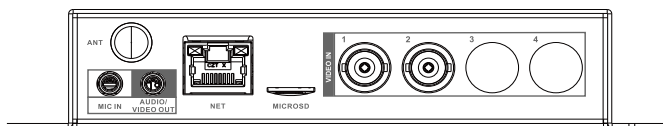


Rear Panel

DHI-NVS0104HDC



DHI-NVS0204HDC



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