

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

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

Video

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

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

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
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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

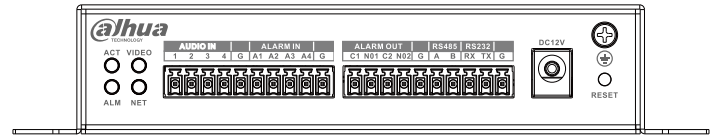
Certifications

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

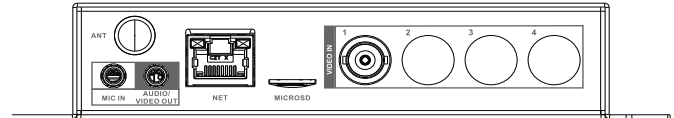
Type	Part Number	Description
1 Channel NVS	DHI-NVS0104HDC	1 Channel Network Video Server
2 Channel NVS	DHI-NVS0204HDC	2 Channel Network Video Server
4 Channel NVS	DHI-NVS0404HDC	4 Channel Network Video Server

Front Panel

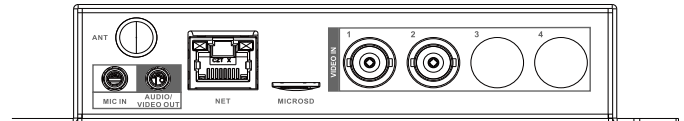


Rear Panel

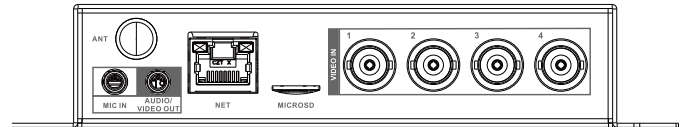
DHI-NVS0104HDC



DHI-NVS0204HDC



DHI-NVS0404HDC



Dimensions (mm)

