NViS 3542H

Main Features

- Hybrid solution for 4PoE and optional video capture card
- Support Intel® Core™ i5/i7 socket processor
- Dual Intel® Gigabyte Ethernet
- Dual local display by VGA/DVI or VGA/HDMI or DVI/HDMI
- Support WWAN or WLAN communication

- Support GPS navigator
- Wide vehicle power input from 9V to 30V DC, optional power ignition module
- Optional Anti-Vibration Kit for tough environment

Product Overview

NViS 3542H is designed for Hybrid DVR/ NVR surveillance which reserve flexible interface for IP and analog camera, utilizing 32nm Intel® Core™ i5/ i7 processor, NViS 3542H features Intel® Turbo Boost and Intel® Hyper-Threading technologies (2 cores, 4 threads), as well as on-processor graphics and two DDR3 800/ 1066 memory modules up to 8GB. In addition, NViS 3542H provides a wide variety of display, I/O configurations and rich I/O interfaces including two Intel® GbE Ethernet ports, 4 x COM ports, 6 x USB, 8 x GPIO, audio interfaces.

Specifications

CPU Support
- Intel® Core™ i7-620M PGA processor (4M cache 2.66GHz)
- Intel® Core™ i5-520M PGA processor (3M cache 2.4GHz)

Main Memory
- 2 x 240-pin memory DIMM sockets,
  up to 8GB DDR3 800/1066MHz SDRAM,
  un-buffered and non-ECC

Platform Control Hub
- Intel® QM57

I/O Interface-Front
- Power on/ off switch
- HDD access/ power status LEDs
- WWAN active LEDs
- 2 x antenna holes
- 2 x USB2.0 ports
- 1 x Line-out and 1 x Mic-in
- 1 x HDMI
- 1 x SIM card holder

I/O Interface-Rear
- 2Pin remote power on/off switch for power ignition module
- 9~30V DC input
- PS/2 for keyboard/mouse
- 1 x DB15 connector for GPIO (4 in and 4 out)

- 1 x DB44 connector for 4x RS-232
  (COM2 support RS-232/422/485 with auto flow control)
- 2 x GbE LAN ports
- 4 x USB2.0 ports
- 1 x DB15 VGA port
- 1 x DVI port
- 1 x Speaker out and 1 x Mic-in

Communication
- WLAN: Option WLAN module (NViS 3542HW supported)
- WWAN: Option WWAN module (NViS 3542H supported)
- GPS: Option GPS module

Storage
- 2 x 2.5" internal HDD trays

Cooling System
- 2 x fan for system cooling
- 1 x heatsink for CPU cooling
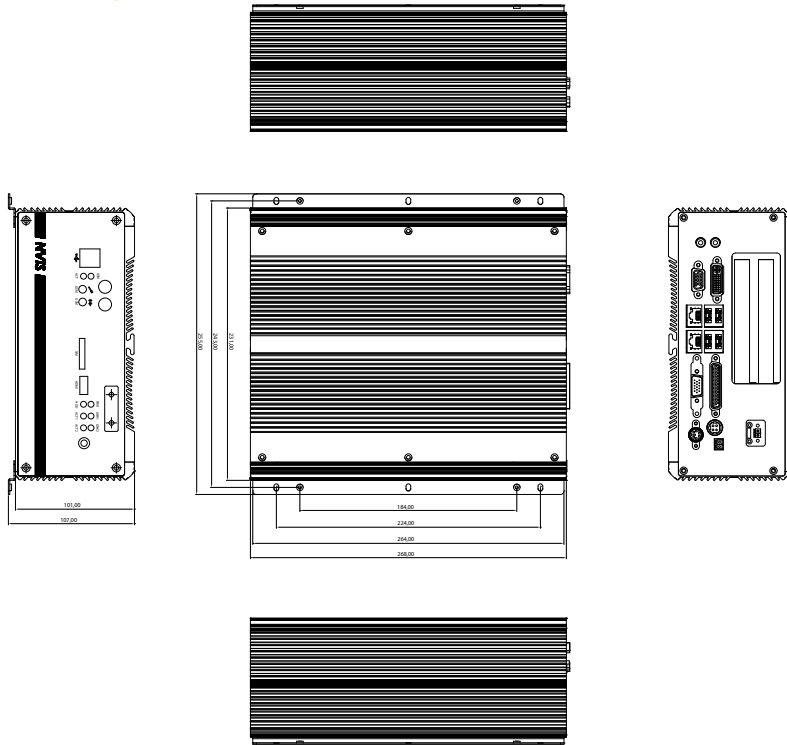
Power Input
- 9~30V DC power input

Dimensions
- 235mm(W) x 268mm(D) x 101mm(H)

Construction
- Aluminum Chassis

Dimension Drawing

Environment
- Operating temperature: -5 to 55°C (Ambient with air flow)
- Storage temperature: -20 to 80°C
- Relative humidity: 10% to 93% (non-condensing)
- Vibration (random, w/o Anti-vibration kit):
  SSD: 2G@5~500Hz
  HDD: 1G@5~500Hz
- Vibration (w/ Anti-vibration kit):
  SSD: STD-810F-514.5 Class3
  HDD: STD-810F-514.5 Class1

Certifications
- CE approval
- FCC Class A
- e13 Mark

Ordering Information

- **NViS3542H (P/N: 10C00354208X0) RoHS Compliant**
  Mobile Hybrid DVR Surveillance with Intel® Core™ i5/i7processor, WWAN supported

- **NViS3542HW (P/N: 10C00354209X0) RoHS Compliant**
  Mobile Hybrid DVR Surveillance with Intel® Core™ i5/i7processor, WLAN supported

Optional Accessories

- **Anti-vibration kit (P/N: 88C00354002X0)**

- **9~36V Power ignition module NISKIG120
  (P/N: 10JKIG12000X0)**