



## Main Features

- Support Intel® Core™ i7/ i5 Socket Processor
- Mobile Intel® QM57 PCH
- Dual Intel® Gigabit Ethernet Ports
- Dual VGA or VGA/ DVI Independent Display
- On-board DC to DC Power Design to Support 9V to 30V DC Power Input
- 4-Channel Full D1(720x480 NTSC 720x576 PAL) Display/ Recording
- Total 120FPS(NTSC) 1000 FPS(PAL)
- NViS Hybrid Software

## Product Overview

The NViS 3540H hybrid DVR is equipped with an Intel® Core™ i7/i5 processor in compact design for in-vehicle applications. Incorporating an all-in-one embedded server board, NViS provides high quality digital recording on 4-channel D1 resolution, real-time display (NTSC 720X480, PAL 720/576) and supports a wide range of megapixel IP cameras.

NViS 3540 is designed for a broad range of applications which demand intense graphics performance; these include medical diagnostic equipment, medical imaging, data storage, industrial automation, public infotainment, and surveillance security applications.

## Specifications

### Main Board

- NISB 3500
- On-board mobile Intel® QM57 platform controller hub
- Support Intel® Core™ i7-620M PGA processor (2.66GHz, 4M Cache)
- Support Intel® Core™ i5-520M PGA processor (2.4GHz, 3M Cache)
- Support Intel® P4500 PGA processor (1.86GHz, 2M Cache)

### Main Memory

- 2 x 240-pin memory DIMM, up to 4GB DDR3 800/ 1066MHz SDRAM, un-buffered and non-ECC
- \* Note: Actual memory size is dynamic based on the OS I/O resource allocation

### I/O Interface-Front

- ATX power on/off switch
- HDD access/ power status LEDs
- 2 x USB2.0 ports
- 2 x eSATA ports
- 1x 2.5" HDD with Hot Swap

### I/O Interface-Rear

- 2-pin remote power on/off switch
- 9~30V DC input

- 1 x PS/2 for keyboard/ mouse
- 1 x DB15 male connector for GPIO (4x digital-input and 4x digital-output)
- 1 x DB44 serial port for 4x RS232 (COM2: RS232/ 422/ 485 with auto flow control)
- 2 x GbE ports
- 4 x USB2.0 ports
- 1 x DB15 VGA port
- 1 x DVI-D port
- 1 x Speaker-out and 1x Mic-in

### Device

- 2 x 2.5" HDD driver bay(support 1 x 2.5 HDD with Hot swap)

### Power Requirements

- ATX power mode
- On-board DC to DC power support from 9V to 30V DC
- Optional power adapter

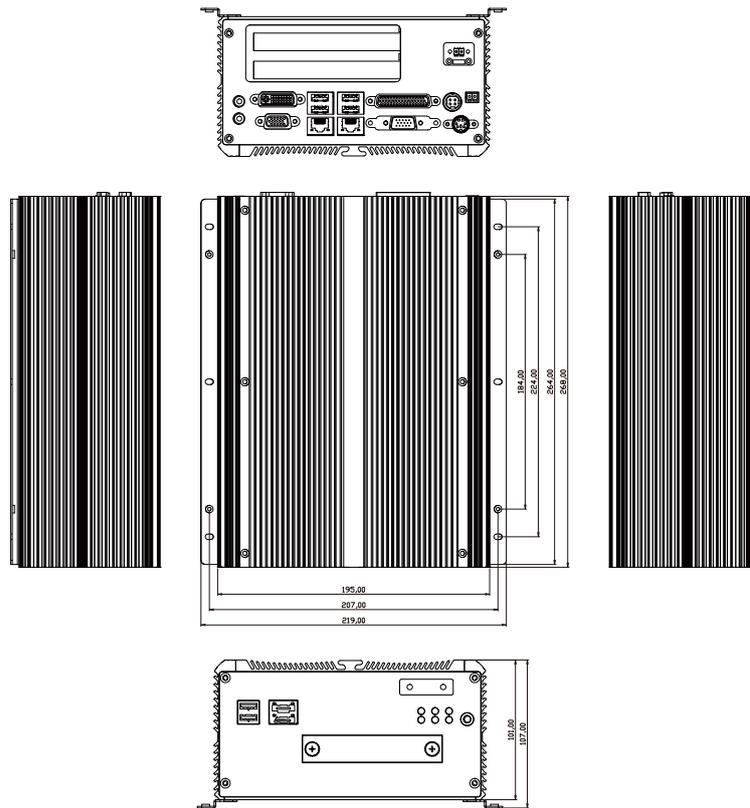
### Dimensions

- 195mm (W) x 268 mm (D) x 80mm (H) (7.7" x 10.5" x 3.1")

### Construction

- Aluminum chassis with fanless design

## Block Diagram



### Environment

- Operating temperature:
- Ambient with air flow: -5°C ~ 55°C
- (According to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C ~ 80°C
- Relative humidity: 10% to 93% (non-condensing)

### Certifications

- CE approval
- FCC Class B
- e13 Mark

## Ordering Information

- **NViS 3540H (P/N: 10C03540H00X0) RoHS Compliant**  
4 -Channel Mobile Surveillance with Intel® Core™ i7/ i5 System
- **19V, 120W AC/DC power adapter w/o power core (P/N: 7410120002X00)**