

# NViS 2280

4 PoE, Mobile NVR Surveillance System  
with Intel® Atom™ D2700 Processor



## Main Features

- Built-in Intel® Atom™ D2700 Dual Core 2.13GHz Processor
- Internal wireless communication (3.5G/ WLAN/ BT/ GPS)
- 2 x 2.5" hot swappable HDD Tray for 750G or Above Video Data
- Dual Local Display by (VGA+HDMI)
- 2 x Intel® 82583V Gigabit Ethernet
- Support 1 x Isolated RS-232 Port
- Optional Power Ignition
- 9~36V wide rang power input

## Product Overview

The NVR NViS 2280 is equipped with an Intel® Atom™ D2700 processor in compact design for in-vehicle applications. Incorporating an all-in-one embedded server board, NViS 2280 provides high quality digital recording, real-time display and supports a wide range of megapixel IP cameras.

## Specifications

### Main Board

- On-board Intel® Atom™ D2700 processor Dual Core 2.13Ghz

### Main Memory

- 2 x DDR3 1067MHz SODMIM socket, up to 4G

### Platform Control Hub

- Intel® ICH10R

### I/O Interface-Front

- Power on/off switch
- HDD access/ power/ LAN status LEDs
- 2 x USB2.0 ports
- 1 x SIM card holder
- 1 x Speaker-out and 1 x Mic-in
- 4-port Gigabit PoE (IEEE802.3af-16.8W per port)

### I/O Interface-Rear

- 2 x Intel® 82583V GbE ports
- 2 x USB2.0 ports
- 1 x DB15 VGA port
- 1 x HDMI

- 1 x RS232/422/485 with isolated
- 1 x eSATA
- Reserved for 5 optional antenna holes for GPS/ Wi-Fi/ WWAN
- Built-in G-sensor 3-AXIS digital accelerometer (ADXL345)
- 12V (2A) output for CCTV power source

### Communication

- WWAN: through Mini-PCIe for optional 3G/ 3.5G/ GPRS/ GSM module
- WLAN: through Mini-PCIe for optional Wi-Fi module
- PAN: through internal COM for optional BT module
- GPS: through internal COM for GPS module
- PoE: for IP camera module

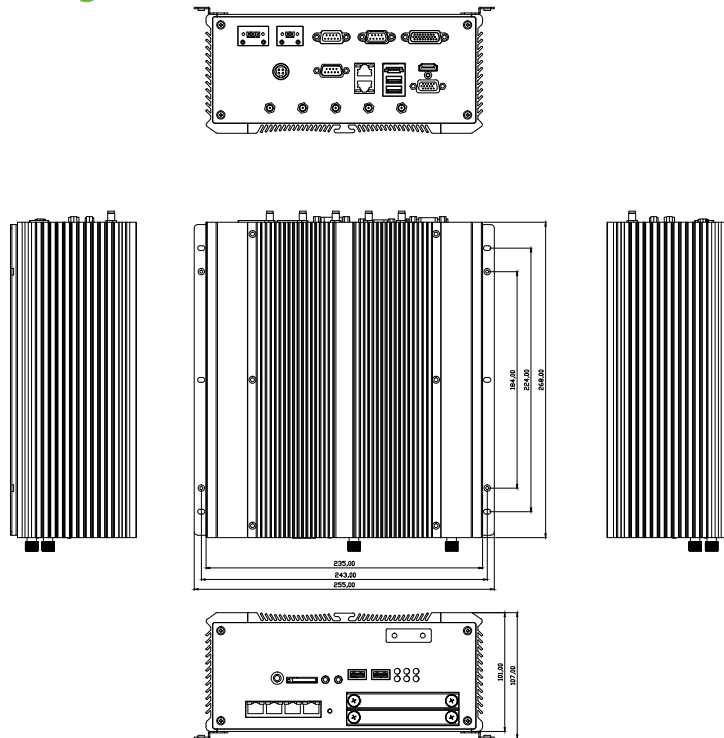
### Storage

- 2 x 2.5" HDD driver bay with hot swap
- 1 x SATA DOM for OS (optional)

### Power Requirements

- On-board DC to DC power support from 9V to 36V DC
- Optional power adapter

## Dimension Drawing



### Dimensions

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

### Environment

- Operating temperature:  
Ambient with air flow: -20°C to 60°C
- Storage temperature: -40°C to 80°C
- Relative humidity: 10% to 90% (non-condensing)
- Vibration: STD-810F-514.5 C3- Composite wheeled vehicle (SSD with vibration kit)

### Certifications

- CE approval
- FCC Class A
- e13 mark

## Ordering Information

- **NVis 2280P4 (P/N: 10C0228000X0) RoHS Compliant**  
PoE Ready, Mobile NVR with Intel® Atom™ D2700 processor

### Optional Accessories

- **Anti-vibration kit (P/N: TBD)**
- **9~36V Power ignition module (NISKIG120)**  
(P/N:10JKIG12000X0)
- **VMD 1000-B (P/N: 10VD0100000X0)**  
7-inch WVGA LCD with touch screen vehicle display