



System Overview

PowerDigiS, PDS, series is developed by NEXCOM for dedicated Digital Signage Appliance. PDSV 2000 is a powerful Digital Signage content player appliance for vehicle, designed to show high quality video, still or motion pictures, and dynamic messages on DVI or VGA screens at the sight line of target audiences to effectively promote brand or products. The major benefit for users is to save cost and own a good performance content player. Therefore, this model provides the powerful tool to content designers to enjoy their unlimited imagination and achieve targeted objective. They can be applied in high quality demand situation. In transportation application, the PDSV 2000 is a cost effective version for vehicle. With Intel® Atom™ processor low power feature, the PDSV 2000 system is designed in a very compact form factor, yet maintaining the industrial requirements for high availability, wide operation temperature range, and high anti-vibration protection. Its design also follows the in-vehicle industrial standard, like eMark. The integrated power ignition functions are one of the unique points to differentiate PDSV 2000 from off-the-shelf assembled products. The GPS is an integrated function of PDSV 2000. With expansion capability, the 3.5G, Bluetooth, etc., can be added to cover varieties of application requirements.

PDS Presentation Design Tool

Content files are automatically categorized by media type which provide screen layout template design function. Screen layout template can be saved for reuse. Easy drag and drop to organize contents to playlist and associate playlist to zone. Provide preview function for content files and final presentation. Integrate easy upload function to publish presentation to media player.

User's Benefits

- Cost effective with good performance and reliability
- Quick presentation layout
- Easy content management with WLAN or 3.5G network over Internet
- Content deployment strategy support
- Variety video and audio types support
- Save manpower on device deployment

Software Specification

Video File Format

- MPEG1/2, MPEG4, AVI, MOV, WMV, SWF

Picture File Format

- JPG, TIFF, ICP, PNG, GIF, BMP, WMF

Sound Format

- WAV, SND, MP3, M4A

Data

- Web page, plain text

Presentation

- PowerPoint

Web / Data

- Web link & Text files

RSS Feed

- Yes

Content Storage

- local disk or remote server

Screen Support

- 2 screens for portrait or landscape orientation
- 2 independent or combined into one extended screen or 2 clone display
- Stretched mode: yes
- Layout: Multiple
- Max. Zone in 1 layout: 9

Playing Effect

- Scrolling text and emergency message: yes
- Image transition effect: yes
- Presentation segmentation: yes
- Multiple language: yes

Video Zone Support

- Multiple

Content Throughput

- Video: 1 HD or 2 shockwave flash with multiple pictures and scrolling text
- Flash: multiple zones
- Picture: multiple zones

Management Function

- Schedule / Playlist: Yes
- Play Report: Yes
- Web-based management with user ID and password access control
- System log: yes
- System maintain: system reboot, firmware upgrade configuration

Hardware Specifications

Main Board

- Intel® Atom™ N270 1.6GHz CPU onboard
- Chipset 945GSE + ICH7M
- Intel® Graphic Engine GMA 950

Main Memory

- 1 GB DDR2 400/533 memory

Video Interface-Rear

- 1 x VGA , 1 x DVI-D

Audio Interface-Rear

- 1 x Mic-In & 1 Line-Out

Storage

- 160GB HDD

Expansion

- 1 x Bluetooth module (optional)
- 1 x GPS module
- 2 x Mini-PCIe Socket (for WLAN, GPRS/3G modules optional)

I/O interface-Rear

- 2 x RS232, 1 x RS232/485 w/auto flow control
- 3 x USB2.0, 1 x GPIO (4 input & 4 output)
- 1 x 10/100/1000 Ethernet

Power Requirement and Management

- 9V~36V DC thru 3-pin connector (ignition, power & ground), +5V/+12V DC output, SMBus.
- Boot-up & shut-down voltage setting selectable for low power protection by software
- Setting 8-level on/off delay time by software
- Status of ignition and low voltage status can be detected by software

Dimensions

- 272 mm (D) x 195 mm (W) x 44 mm (H)

Environment

- Operating Temperature -10°C~+45°C
- Storage Temperature -20°C~+80°C @ relative humidity 10% to 90% non-condensing
- Vibration (in operation)
 - 2G @ 5~500Hz random with CF/SSD
 - 1G @ 5~500Hz random with HDD

Certifications

- CE approval
- FCC class A
- e13 Mark

Ordering Information

• PDSV 2000 (P/N: 10V00200001X0)

Intel® Atom™ N270 1.6GHz processor, 1GB DDR2, GPS module and GPS antenna

• Optional Accessories

Part No.	Description
10VK0006006X0	VTK60-WLAN-02, MINI-PCIe WLAN KIT (QCOM Q802XKN, W/ANTENNA & CABLE)
10VK0006000X0	Sierra MC8790V, GPRS/UMTS/HSDPA, w/internal cable and antenna. with packing
10Z00330200X0	NAK 3302, GSM/GPRS Mini-PCIe module