



System Overview

NEXCOM's PowerDigiS (PDS) Series is a high-performance range of appliance based solutions designed to address a broad spectrum of digital signage applications.

PDS 5120-A is a low cost, Intel® Atom™ based digital signage appliance capable of playing full HD video. Based on the energy-efficient Intel® Atom™ N270 processor, PDS 5120-A has an inbuilt HD decoder enabling it to simultaneously play full HD video, flash and scrolling text. In addition, the appliances' fan-less design makes for ultra-reliable long-term operation. I/O interface options include GbE LAN, Mini-PCIe, USB and RS232 Serial Port with storage via a 2.5" SATA HDD.

Equipped with feature-rich PowerDigiS digital signage software, PDS 5120-A is a powerful tool which enables designers to target specific audiences with imaginative and vibrant content. As such, PDS 5120-A will be deployed in a wide variety of entry-level digital signage applications within hospitality, retail, education, healthcare and transportation.

PDS Presentation Design Tool

The tool is one of the most valuable parts of the PDS system, it helps content creator on intuitive operations to ease the output of presentation. Content files are automatically categorized by media type. The tool provides screen layout template design function and it can be saved for reuse. The tool also provides an easy drag and drop method to organize contents to playlist and associate playlist to each zones. Meanwhile, the tool provides preview function for content files and final presentation. Finally, the tool can integrate easy upload function to publish presentation to media player.

User's Benefits

- Impressive price-performance ration and reliability
- Quick presentation layout and reuse
- Easy content management via LAN and Internet
- Content deployment strategy support
- Numerous video and audio types are supported
- Save manpower on device deployment



Software Specification

Video File Format

- MPEG1/2, MPEG4, AVI, MOV, WMV, SWF, AVC1, H.264

Picture File Format

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

Sound Format

- WAV, SND, MP3, M4A

Web / Data

- Web page, plain text

RSS News Feed

Content Storage

- Local disk or remote server

Screen Support

- Screen support: 2
- Screen rotation in portrait or landscape orientation
- Display mode: 2 independent or combined into one extended screen, or 2 clone display.
- Max. Zone in 1 layout: 9

Playing Effect

- Scrolling text and emergency message
- Image transition effect: yes
- Presentation can be segmented and displayed in different layouts
- Multiple language: yes
- Picture wall function: yes

Content Throughput

- Video: Two HD video, or one full HD video, or two shockwave flash with multiple picture and scrolling text
- Flash: multiple zones
- Picture: multiple zones

Management Function

- Schedule / Playlist: Yes
- Playback history report: Yes
- Web-based management with user ID and password access control
- System log: yes
- System maintain: system reboot, firmware upgrade, configuration backup/restore
- Multilingual management interface
- Player control function

Presentation Design

- Automatic content file type categorization
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation package publish function

OS

- Windows XP Embedded

Hardware Specifications

Main Board

- Intel® Atom™ N270 1.6GHz CPU onboard

Main Memory

- 1 GB DDR2 400/533 memory

Video Interface-Rear

- HD Decoder (1080p) inside
- 1 x DB15 VGA port
- 1 x DVI-D port

Audio Interface-Rear

- Line-In x1, Line-Out x1, 5.1 channel HD Audio with 6W amplifier

I/O Interface-Rear

- 1 x DB9 RS232 COM port
- 4 x USB 2.0 port

Storage

- 160GB HDD

Expansion

- 1 x Mini-PCIe Socket for TV tuner or WLAN module

Dimensions

- 272mm (W) x 195mm (D) x 44mm (H)
(10.7" x 7.7" x 1.7") w/o mounting bracket

Power Adapter

- 1 x External 60W AC/DC power adaptor (In: 90VAC ~ 264VAC. Out: 12VDC)

Environment

- Operating Temperature: Ambient with air flow from 0°C ~ 45°C (HDD inside)
- Storage Temperature: -20°C ~ 60°C, Humidity: 10% ~90% @40°C

Certification

- CE approval
- FCC Class A

Ordering Information

- PDS 5120-A (P/N: 10W00512001X0)