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Z1000 Product Features

August 2007

What's included in the demo package

- **Z1000 Media Hub x 1**

- **Western digital hard disk (320G) x 1**

- **Metal stand x 1**

- **LAN cable x 1**

- **50 Watt power supply x 1**

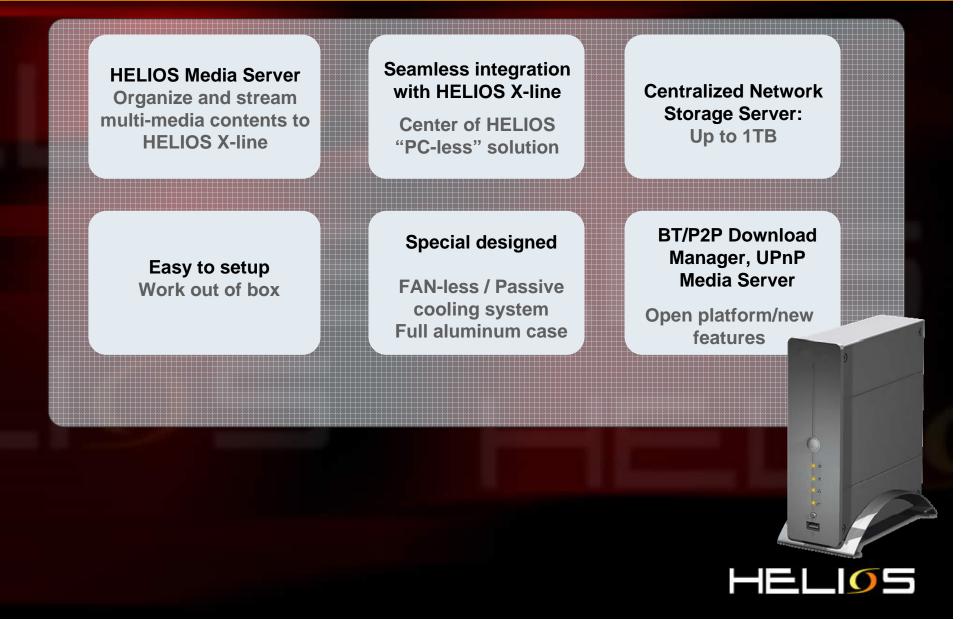- **Pre-loaded music and video files in the hard disk (we didn't have time to put photos)**

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Z1000 Tech Specifications at a Glance

- **Hard disk:**
  - **3.5" hard disk bay X 1**
  - **SATA HDD interface**
  - **Support up to 1TB hard disk**
- **Power adapter specifications:**
  - **Output: 12V DC 45Watt**
  - **Input: 100-240V 50/60Hz AC**
- **System:**
  - **220Mhz ARM9 CPU**
  - **64M DDR RAM**
  - **8M flash memory**
- **Network:**
  - **10/100M wired network support**
- **USB:**
  - **3 x USB2.0 ports. 1 on the front panel, 2 on the back panel.**
  - **USB copy button on the front panel.**
- **Fan-less and noise free**
  - **Special passive cooling design. Give end-user a "noise-free" environment.**
- **Full aluminum case**
  - **High-quality full aluminum enclosure.**
- **Shock resistant**
  - **Shock resistant protection design to extend life span of hard drive.**

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HELIOS Z1000 Media Hub Key Features:

HELIOS Media Server
Organize and stream multi-media contents to HELIOS X-line

Seamless integration with HELIOS X-line

Center of HELIOS "PC-less" solution

Centralized Network Storage Server:
Up to 1TB

Easy to setup
Work out of box

Special designed

FAN-less / Passive cooling system
Full aluminum case

BT/P2P Download Manager, UPnP Media Server

Open platform/new features

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HELIOS Media Server Features

- Designed for HELIOS X-line media players
- Intuitive full color graphic user interface
- Stream multi-media files stored in the media server and connected USB devices directly to your home entertainment systems
- Stream to multiple clients (at least 5 video streams simultaneously)
- Movie/music album cover display
- Music information display (MP3 ID3 Tag display)
- Support DVD ISO image

Massive Centralized Network Storage

- 1 SATA hard disk bay
- Serve as centralized storage, can be accessed via network
- Support Windows, Linux and Apple network protocols
- Support up to 1TB hard disk (under testing)
- 1TB hard disk = 1,300 movies, 250,000 songs, 250 High-Def movies and almost-unlimited emails and personal documents
- 3 USB 2.0 ports: You can easily connect USB storage devices to expand the storage capacity or backup the data from USB devices to the built-in hard disk

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Easy Setup – Work Out Of Box

- Two simple ways to connect Z1000
  - Connect Z1000 to your computer or HELIOS X-line directly via LAN cable
  - Connect Z1000 to your existing router/switch
- No network setup is required
  - Z1000 automatically finds the right network protocol and address
  - The media server and network storage feature will automatically start once the Z1000 is turned on
- New features can be added by software upgrade

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FAN-less Passive Cooling Enclosure

- No fan, virtual no noise, ideally for home environment
- Special designed industrial level passive-cooling system
- No risk of fan-failure
- Shock resistant hard disk fitting system
- Full aluminum case
- Designed for running 24/7

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Other Features

- BT/P2P download manager

- UPnP Media Server

- New features will be released via firmware upgrades

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HELIOS Z1000 Advantages

- Complete PC-less media center solution
  - Helios Z1000+X-line
- Built-in HELIOS Media Server with intuitive GUI
- Hassle-free setup
- Fan-less design:
  - quiet, solid and stable
- Attractive full aluminum enclosure
- Future proof:
  - New features will be added via software upgrades

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HELIOS Z1000 Compared to PC/Home Server

	HELIOS Z1000	PC/Home Server
Noise free	Yes	No
Maintenance free	Yes	No
Designed for running 24X7	Yes	No
Power Consumption	Low	High
Cost	Low	High
Enclosure	Slim & Compact	Big

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HELIOS Z1000 Compared to Conventional NAS

	HELIOS Z1000	NAS (1-bay)
Fan-less / Noise Free	Yes	No
Media center solution integration	Yes	No
Built-in Media Server	Yes	No
Enclosure	Full aluminum	Plastic
Easy Setup	Yes	No

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HELIOS Solution (Z1000+X-line) Compared to HTPC Media Center Solution

	HELIOS Solution	HTPC
Fan-less / Noise Free	Yes	No
Multi-room access	Yes	No
Easy "no setup" installation	Yes	No
Maintenance Free	Yes	No
Integration with TV and HT	Easy	Hard
Audio video playback quality	Excellent	Normal
Cost	Low	High

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HELIOS Solution (Z1000+X-line) Compared to AppleTV

	HELIOS Z1000 Solution	Apple TV
PC-less solution	Yes	No
Multi-room AV streaming	Yes	No
Audio/Video format support	Excellent	Apple Format
HD video playback	Yes	No
HD upscaling	Yes	No
Audio video playback quality	Excellent	Normal
Disk capacity	Up to 1 TB	Limited to 40/160G

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HELIOS Media Center Solution at IFA

How to showcase HELIOS PC-less Media Center Solution

- **Hardware required:**
  - Z1000 Media Hub x 1
  - HELIOS X3000 / X5000 media player x 2 (or more)
  - Wireless router x 1
  - HDTV with HDMI input x2 (or more, depends on how many media players)
  - Audio UPnP streaming devices (ie. Roku Soundbridge)

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How to showcase HELIOS PC-less Media Center Solution

- **Key features to demonstrate:**
  - Concept of PC-less multi-room media center solution
    - Stream to multiple TVs and UPnP devices simultaneously from Z1000
    - Stream different video contents to different TVs
    - Stream music to Roku Soundbridge or any uPnP music/audio players
    - Build your own media library - Everything is stored in Z1000
    - No PC needed in this solution
  - Fan-less "no noise" enclosure of Z1000
  - Easy navigation of HELIOS media server
  - Ultimate Home Theater experiences (Z1+X5000+HDTV)
    - Superior audio video performances: 1080 HD, R-core linear power supply, High-end level audio capacitor, DAC and OpAmp
    - Support (almost) all media formats

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How to showcase H2000/H4000 HD upscaling DVD player

- **Hardware required:**
  - HDTV with HDMI/Component input
  - Display device (PC monitor / projector) with VGA input

- **Key features to demonstrate:**
  - Upscale any DVD title to HD (720p/1080i) via HDMI and/or component (we suggest to connect H4000 via HDMI and H2000 via component)
  - MPEG4 video playback capability
  - H4000 ideal for PC projectors/monitors - support 4 VGA and 2 HD resolutions
  - H4000 "smart play" feature to play DVD title directly
  - H2000 ideal for high end users with external scaler – support 480i/576i over HDMI

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