The Mind Factory INC's IP VOD STB (**I**nternet **P**rotocol **V**ideo **O**n **D**emand **S**et **T**op **B**ox) is a complete set-top box for Microsoft Windows Server 2003 streaming networks. It is a low cost TV client solution that receives, decodes and displays Windows Media 9 Series (WM9) content to a TV at full D1 resolution.

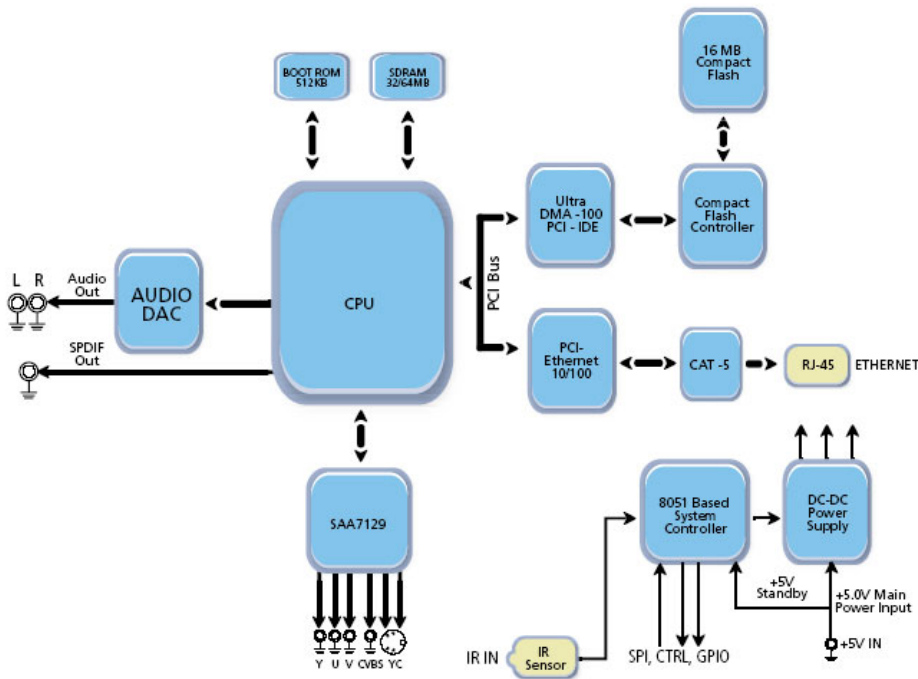The IP VOD STB is powered by a very powerful video centric SoC. It is configured to decode full D1 resolution, WM9 Main Profile, at Medium Level, video and audio streams up to 6Mbps. It is one of the first embedded devices to pass the conformance tests and be approved by Microsoft for main profile video. The SoC is also configured to implement Microsoft's optional WM9 post-processing technology to render excellent TV video quality even at bit rate streams as low as 300Kbps. Video-on-Demand (VOD) TV services to consumer homes over xDSL, 10/100 Ethernet, FTTC or other broadband distribution networks.

TYPICAL APPLICATIONS

- Residential Video on Demand Set Top Box
- Hotel/Motel in suite entertainment
- Distance education
- Video Conferencing

- Powered by the BSP15 video-centric SoC processor running VxWorks™ operating system for rock solid reliability
- Microsoft Windows Media 9 Series decoder Up to 6Mbps video and audio stream decode capability
- Fully compatible with Microsoft WM9 post-processing technology
- Conformance tested and approved by Microsoft (able to display the Windows Media Compatible logo)
- Meets requirements to support Microsoft's new Windows Media Digital Rights Management (DRM) software (available 3Q 2004)
- Supports streaming from Windows Server 2003 networks
- Software field-upgradeable
- 10/100 Base-T Ethernet port
- User Interface
- IR remote control
- 180 x 160 x 30mm
- External 5V DC power supply

KEY FEATURES
- BSP15 SoC processor
- 128MB SDRAM memory
- 32MB Flash
- 10/100 Base-T Ethernet port
- TV interface
- S-Video, YUV and Composite video out
- Analog stereo and digital S/PDIF audio out
- IR receiver on front panel for remote control interface
- optional IDE connector for disk drive
- 180 x 160 x 30mm
- External 5V DC power supply
- Power switch
- 802.11b/g wireless optional

SOFTWARE OVERVIEW
- Microsoft Windows Media 9 Series decoder
- Full D1 video resolution
- Up to 6Mbps video and audio stream decode capability

- Fully compatible with Microsoft WM9 post-processing; de-blocking and de-ringing technologies
- Conformance tested and approved by Microsoft
- Meets requirements to support Microsoft's new Windows Media Digital Right Management (DRM) software (available 3Q 2004)
- Supports streaming from Windows Server 2003 networks
- Complete Internet browser
- Opera browser – HTML 4.0 with cascading style sheets to support program guide, feature setting and system UI
- Java Script Support
- Graphical User Interface (GUI) using IR remote control
- Software field-upgradeable

For More Information:
www.themindfactory.com
613.224.5661