



ASTRI HMC Home Media Center Streamer

Applications

Media Watching Anywhere

- Encoding AV/TV input from various sources, such as TV, DVD, and STB, through real-time streaming over Internet for place-shift viewing

Simultaneous Multi-channel Streaming

- Support for two player clients

Networking with HMC TV Player and other HMC Streamers

- Content streaming to remote HMC TV player client and other HMC Streamers to share local media content

Content Aggregator and Preparation

- Support for real-time and schedule recording in external storage
- Support for content aggregation for media content storage, management, and preparation

Features

Streaming

- Receive/Encode TV broadcast
- Stream media content (AV/TV) to clients
- Stream over LAN or Internet
- RTP for media data streaming
- Synchronized audio video playback
- Multiple simultaneous streams
- Master – Slave mode streaming

Video Codec

- H.264 AVC
- Resolution: QCIF, CIF, QVGA, VGA, D1
- Real-time encode (NTSC; PAL)

Audio Codec

- AAC stereo

Storage/Local Playback

- QCIF/CIF/QVGA/VGA/D1 selectable
- File management
- Local file stream
- Trick-mode playback
- Real-time recording
- Schedule recording
- Playback Internet media

Content Preparation

- Apple Video iPod
- Sony PSP 1006

Network Protocol

- Console interface
- UPnP
- IP, UDP/TCP, RTSP/RTP
- Static IP, DHCP, PPPoE and DDNS support

System

- RTSP streaming server function
- Embedded Linux
- Standby mode
- Remote firmware upgrade
- DRM

Hardware

Processor

- Host CPU and media processor

Network

- Fast Ethernet
- Network failure recovery

Memory

- Host 32MB SDRAM
- MG Codec 32MB SDRAM
- 16MB Flash

I/O

- L/R Stereo audio in
- Composite video in
- L/R Stereo audio out
- Composite video out
- Fast Ethernet
- Analog TV tuner
- 12V DC in
- Power on/off switch
- Reset button
- USB 2.0 full speed
- IR emitter
- Status LEDs

Card Reader

- SD, XD
- Plug and Play

Power

- 12V DC, 1.5A
- Operating temperature: 0°C to +40°C
- Storage temperature: -10°C to +60°C
- Humidity: 15% to 85%



Player Clients

1. PC Player (Windows Platform)

- OS: MS Windows XP
- CPU: Min Intel Pentium 4 2.0GHz with MMX, SSE and SSE2 support
- Memory: 512MB
- Display Card: DirectX compatible
- Sound Card: DirectX compatible
- DirectX 9.0c or above

PC Player Features

- Variable Player screen size: from QCIF to full screen play
- Volume adjustment
- Automatic TV channel search
- Channel switch, enable/disable
- AV and TV toggle
- Network setting

2. Portable Player (Windows Mobile)

- OS: Windows Mobile 5.0/6.0 & Windows CE 5.0
- CPU: Intel Xscale 400MHz or above
- Memory: 64MB or above

Portable Player (Symbian)

- OS: Symbian OS 8.0/9.1/9.2
- CPU: ARM 11 332MHz or above
- Memory: 64MB or above

Portable Player Features

- Variable screen size: from QCIF to full screen play
- QCIF/QVGA resolution
- Network: WiFi, 3G
- Channel switch
- AV and TV toggle

3. Hardware STB Player

- Embedded Linux
- Remote firmware upgrade
- Slave mode streaming
- Variable Player screen size: from QCIF to full screen play
- IR receiver
- Power standby mode
- Channel switch
- Remote control unit

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