

Asteroid II

Low Power H.264 A/V Platform

PRODUCT BULLETIN

Professional H.264/AAC A/V Platform

Processor Support

- ARM920T Host CPU
- Linux 2.6 OS
- Complete software tool chain
- GCC compiler with support for C and C++
- ARM Console UART Interface
- Firmware APIs, documentation, users manual

Network Support

- Integrated web server
- Capture H.264 / AAC bit streams directly to or from local storage.
- VLC LAN RTP/RTSP IP streaming support

Video I/O

- S-Video Y/C in/out
- Mini-RCA Composite in/out

Audio I/O

- Mini-RCA Audio in/out

Communications

- SD Card
- Ethernet (RJ45)
- USB Host (2) , USB Device (1)
- IR Remote Transmit / Receive

Physical

- Small board size (6.75-in x 5.0)
- 6V DC power brick
- Status LCD , lighted control buttons

Power Consumption

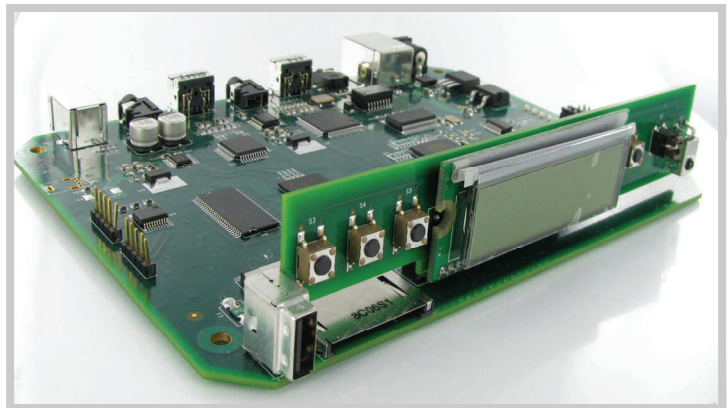
- < 4 Watts

Description

Asteroid is a self-contained complete A/V platform employing the Mobilygen MG1264 low-power H.264/AAC codec. It includes a ARM920T Host CPU and Linux 2.6 OS capable of running demanding real-world applications. A complete software development tool chain including compiler, debugger, utilities, and libraries, is pre-configured and source code provided. Asteroid also provides a standard IR remote transmit / receive function and LCD display to enable system command and status support.

Using the MG1264 AVC chip Asteroid is designed for low-power embedded devices such as IP based audio/video appliances , DVRs, and A/V Cameras employing streaming media technology.

Asteroid consumes less than 4 Watts of power while encoding high-quality Baseline Profile VGA @ 30fps H.264 video and high-fidelity 2-ch AAC audio. A complete manufacturing package is available including Schematics, BOM, Gerber files , Linux source code and engineering support. Fully tested boards are available as a standard product. For more information contact: info@svt-llc.com.



**Asteroid II is a Complete Embedded
H.264 AVC Platform**

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