

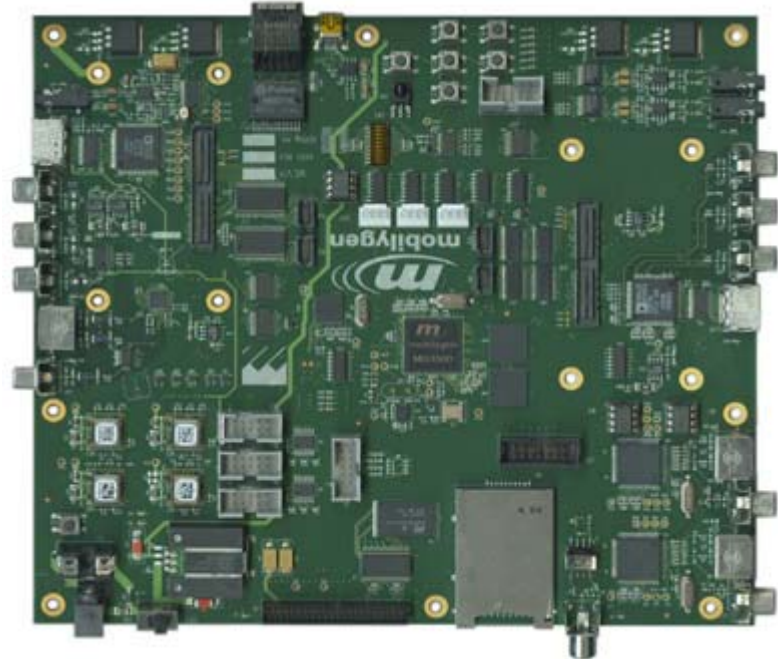
# Hardware Evaluation and Development Platform Kit for Mobilygen MG3500 H.264 HD encoder/decoder

The MG3500 EVP (Chameleon) platform offers a full set of hardware features for application developers needing High Definition (720p/1080i 50/60 Hz) H264 encoding or decoding. Based on Mobilygen's *en-ViE* MG3500 codec device, Chameleon offers a platform with just about every imaginable interface an application will require; for the few cases where different hardware is needed, expansion connectors provide access to virtually all of the MG3500's rich connectivity options,

The MG3500 supports H264 encoding or decoding at High, Main, and Baseline profiles up to level 4.1, and supports multiple SD streams. With its integrated ARM core and video peripherals for scaling and overlay, the MG3500 can act as a true system on a chip for a wide range of low-cost applications.

The kit includes the board with demo programs on USB Flash memory, cables, and power supply.

The -PRO version includes a hard drive and and one expansion daughter card.



*A full-featured platform supporting a wide range of applications development*

## Development tools

To be able to write code for the MG3500's ARM9 based processor, the Mobilygen MG3500 SDK must be purchased. The SDK support H.264 encode and decode (up to 1080i 50/60Hz), MPEG 2 decode, and JPEG encode and decode.

The Chameleon kits are provided with a pdf version of the schematics. The complete design database is included as part of the SDK.

Other component packages to be introduced for sale in 2008 include:

- Dolby Digital Decode (AC3 decode)
- G.722, G.728
- AAC-LD, AAC-HE
- Analytics extension
- Image stabilization extension

While normally not needed, should you accidentally wipe the flash, an ARM compatible JTAG is needed to initialize the flash.

A preliminary datasheet for the MG3500 EVP platform is available on request.

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## Ordering information

Note that the availability of a particular hardware feature in the platform does not mean that software for a particular use of it is included with the kit. Please contact MDS or your distributor with your detailed requirements.

For complete details of each EVP part number please see the datasheet. Currently all performance and application information should be treated as preliminary, please discuss your exact requirements with your local Mobilygen IC distributor.

**MG-CHAMELEON-KIT:** Demonstration and development platform based on MG3500.

**MG-CHAMELEON-PRO-KIT:** Adds hard drive and expansion daughter card.

**MG-CHAMELEON-EXPGP:** General purpose expansion daughter card.



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