

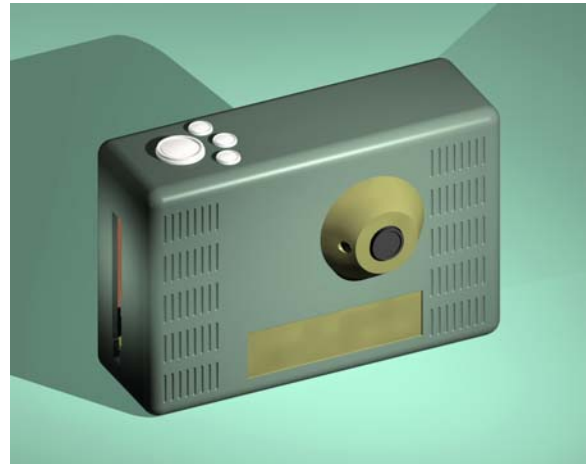
Flicker™ Instrumented Digital Camera

(Preliminary)

The Flicker™ mobile computing platform integrates an internal GPS receiver and three-axis digital compass with the full feature set normally found in a conventional point-and-shoot digital camera, in a powerful and flexible handheld computing platform.

Configurable with either a Windows CE or Linux operating system, the platform is easily programmed to run customized operational software for custom and proprietary applications. Two internal PCMCIA receptacles allow a wide variety of peripherals and storage cards to be added, and almost any external instrument may be connected via the RS-232, USB client, USB host, digital I/O, NMEA, TSIP, and audio I/O ports brought out through five miniature circular connectors.

A variety of programmable buttons and a QVGA color touchscreen display provide highly flexible and configurable user interface options for application software. A built-in white LED maplight is also included for outdoor night use.



Features and Specifications

- 0.6 megapixel CMOS digital camera
- Intel XScale PXA255 CPU, 400 MHz
- 64 MB SDRAM
- 32 MB Flash
- Two 3V / 5V PCMCIA sockets
- Three RS-232 serial ports
- Two USB 2.0 host ports
- One USB 2.0 client port
- Dimensions: 15 × 10 × 5 cm
- Weight: 570 grams
- 4000 mAh lithium polymer battery
- 320 × 240 color TFT touchscreen display
- 20-bit bidirectional stereo audio CODEC
- 16 satellite SiRFstar IIe GPS receiver
- Built-in GPS patch antenna
- 48 second GPS time-to-first-fix
- 3-axis digital compass / inclinometer
- Five Hirose HR25-series connectors for connection of external instruments
- Built-in white LED map light

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