



Wireless.Brains

S37000

► Remote Visual Sensor for Outdoor Usage

The S-37000 is a flexible visual sensor that combines a 2-dimensional CMOS sensor with a powerful microprocessor, extended storage capabilities and both local and wide area communication interfaces. Its preinstalled software provides a flexible and comprehensive environment for both customer supplied and Setrix applications.

Hardware

Up to 128 MByte of SDRAM, up to 16 MByte of flash memory and up to 1 GB of flash disk space can be utilized in the S-37000. A GSM module is available as an option. A 640x480 pixel black&white or color CMOS sensor allows frame grabbing up to 30Hz (320x240 monochrome). Various C-mount lenses can be used.

Software

The operating system is based on Linux. Careful configuration and tuning of both kernel

and root filesystem result in a small footprint of the core firmware without affecting the power and flexibility of Linux. Special features of the firmware are: Flash filesystem with journaling and wear leveling (min. 8 MByte flash required), factory installed SSL secrets (min. 8 MByte flash required), WLAN access point support (with optional hardware) and GSM API.

Applications

Setrix offers several ready to use applications.

Setrix Smart Video Recorder

The field of view is constantly monitored. Short scenes are recorded with up to five frames per second

based on their content by applying a set of administrator defined rules. A second ruleset can trigger an external alarm, e.g. a SMS message or an e-mail notification.

Carpas Car Counter

The carpass software allows counting of vehicles with the S-37000 system. Moving objects are classified based on their size and velocity. The resulting information can be forwarded using the various communication facilities of the S-37000.

Please contact Setrix for more information about available applications. ◀

S37000



► Flexibility & Security

The S-37000 is designed for permanent and unattended usage. Its Linux based operating system is well known for its reliability, compactness and security. The core operating system fits in less than 2 MBytes of flash memory leaving up to 14 MBytes of on-board flash for additional system software components, customer applications and data.

Communication makes it all

All communication interfaces come with full TCP/IP support. An adjustable firewall together with SSL (Secure Socket Layer) and VPN (Virtual Privat Network) support provides a high level of security.

Power Consumption

The S-37000 requires a typical supply current of 25mA at 230V AC with all options installed and in operation.

Housing

The S-37000 comes in a compact IP-65 housing. It is ready for outdoor usage in a wide temperature range. Fanless operation results in no noise generation. ◀

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Setrix S37000 in Detail

► Operation Modes	Standalone, connected to centralized control and messaging system via Internet and/or mobile networks.
► Communication	RS-232, RS-485, <i>optional</i> GSM (Data + SMS), Ethernet, WLAN
► Dimensions	200 mm x 120 mm x 101 mm (LxWxH; without connectors and mounts)
► System	CPU with high computational power, 16, 64 or 128 MB RAM and 2-16 MB Flash ROM; Multi-tasking operating system; <i>optional</i> CF-I connector.
► Interfaces	<i>Optional</i> 10MBit Ethernet, WLAN
► Power Supply	Integrated power supply for 90V to 240V operation, <i>optional</i> battery.
► Software	Linux OS, SSL, VPN, firewall, multiple filesystems, SMS, E-Mail, Web server, telnet and ftp daemon.

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Please feel free to ask
 for more information

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