



Wireless.Brains

# S 3700

## ► Intelligent Sensors for the Web

The sensor system Setrix S-3700 uses the Internet (or intranet) to collect distributed information about events, objects, persons, meter readouts or other common visual information. S-3700 stores the chronological sequence of events and reports important alarms via telephone, mobile phone, email or fax.

This modular and compact system combines state-of-the-art computing and communications technology. It is especially suitable for use in cost-sensitive areas.

### **Multi-Purpose Device**

Setrix S-3700 combines these outstanding capabilities in a single device.

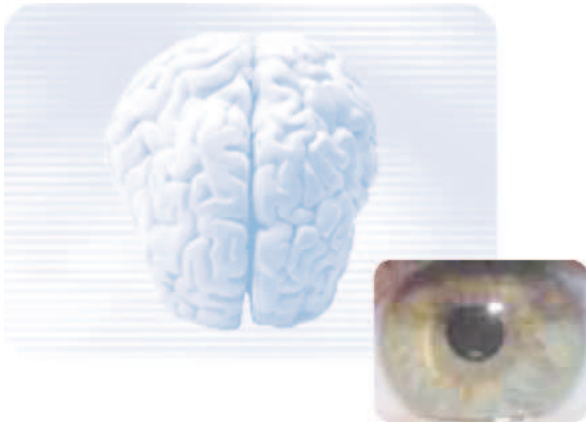
It acquires both monochrome and color images and it does local analysis and interpretation of image contents. Archives of symbolic information or compressed images are maintained locally.

Data is only transmitted on-demand. Multiple networking interfaces are available in the S-3700. Permanent self-diagnostic and function checks of the communications channels guarantee high availability.

The Setrix S-3700 operates as Web client or Web server.

A flexible range of notification mechanisms, ranging from SMS text messages to online video streams allows to adapt to the available bandwidth and the type of information desired. User-based access rights ensure high information security. ◀

# S 3700



## ▶ Smart Sensor Management

Setrix S-3700R is designed as an autonomous system with high computing power and minimum energy consumption. Specific hardware components and a reliable operating system provide flawless nonstop operation. Setrix S-3700 can be installed with minimal effort. The extensive use of web technology allows centralized administration of large numbers of Setrix S-3700. The individual configuration of individual Setrix S-3700 is still possible.

### Communication makes it all

Typical applications for Setrix S-3700 are: distributed readout of oil, gas, water and electrical meters and monitoring tasks in facility management that require reliable, powerful and low-cost data communication. Setrix S-3700 provides this functionality. Up to three independent communication channels are used at the same time. Both application and user define when and how data is transmitted. Data transfer is triggered by the Setrix S-3700 or externally.

Networking elements are other Setrix S-3700, stationary or mobile communication devices (phone, fax) or supervisory control and messaging systems.

Setrix S-3700 provides tailored, matching and low-cost telecommunication structures to collect distributed information.

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Datasheet

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| <b>Setrix S-3700 in Detail</b>  |  |  |  |  |  |
| ▶ <b>Operation Modes</b><br>Standalone, connected to centralized control and messaging system via Internet and/or mobile phone                      |  |  |  |  |  |
| ▶ <b>Communication</b><br>GSM (Data + SMS), RS-232 local, optional GPRS module, optional ISDN (DSS1 norm)   |  |  |  |  |  |
| ▶ <b>Dimensions</b><br>174 mm x 70 mm x 48 mm<br>(LxBxH; without lense and connectors)  |  |  |  |  |  |
| ▶ <b>System</b><br>Low power CMOS CPU with high computational power, 16 MB RAM and 16 MB Flash ROM (expandable); Multi-tasking operating system.    |  |  |  |  |  |
| ▶ <b>Image Sensor</b><br>CMOS Image Sensor (with high dynamic range, flexible image formats and integrated image processing), C-Mount lense holder. |  |  |  |  |  |
| ▶ <b>Power Supply</b><br>Wall outlet transformer, optional battery  |  |  |  |  |  |
| ▶ <b>Software</b><br>Scene analysis, OCR, compression, archiving, alarm trigger, SMS, E-Mail, Web Server  |  |  |  |  |  |

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