Transportable Surveillance System Uses Advanced Camera To Provide Live Internet Site Pictures

SeSys Limited have introduced a powerful transportable surveillance system for remote wireless monitoring of unattended sites for security or safety purposes. The system is based on an 'intelligent' all weather camera with powerful built-in software that can provide live day or night images over the Internet. It can also provide automatic event alerts (when movement, noise or temperature change is detected) via PDA, mobile phone text or email.

The new system, say SeSys, will offer significant economic and operational advantages to any site-related business by utilizing off site user-friendly video management capabilities. Portability and ease of operation will make it particularly attractive where frequent site changes occur or where the work force itself is mobile.

The system utilises an advanced web enabled camera, which can transfer images to the Internet either in a scheduled manner or event controlled using one of a number of built-in sensors. Event controlled image recording can be triggered using separate sensor inputs, motion detection windows, passive infrared (PIR) sensor or noise sensor via the camera's built-in microphone.

Because the system is flexible, it utilises a number of advanced security system components, depending on the actual site requirement. These range from portable digital cameras to anti-vandalism security masts, automatic licence plate recognition software, audible detection devices and full duplex audio communication (two way radio). All are linked together using wireless connectivity and true systems integration software to deliver high levels of security, system portability and complete management control.
Unlike expensive fixed site installations, which have equipment costs that impact on profitability, the SeSys system is a truly transportable solution. The inherent wireless connectivity and portable installation techniques mean that

managers can re-locate the system as the site schedule progresses and local risk reduces. Where high risk events are identified as part of the site programme, the system may be easily repositioned or expanded for maximum security.

The system allows remote monitoring of any number of sites from one central control network. Full control of all monitoring components is handled via IP protocols to interface with existing PC networks and internet/web browser protocols. It can also provide event triggered alarm notification via SMS (text messaging), GSM or e mail. In other words, the system will integrate fully with existing communications, management information and asset control arrangements.

The MX camera, developed in Germany, is claimed to be the first weatherproof megapixel IP/ISDN camera equipped with two image sensors and two lenses. Depending on the illumination at the scene, the camera uses either a colour image sensor with daylight lens or a monochrome image sensor with Infra Red (IR) lens to record the images. The dual sensor system provides for excellent colours during the day and high quality images of after-dark scenes. Because it is equipped with Ethernet and ISDN ports, the camera is easily configured using a browser and does not require any kind of software installation.

The camera allows simultaneous recording of both colour and IR images without requiring maintenance-prone mechanical components. At half the usual image transmission rate, both sensor images can be processed in parallel and can be displayed either side-by-side or window-in-picture format. In static scenes, the colour image sensor's night vision mode allows for exposure times of up to 1 second without perceivable image noise.

The advanced megapixel (1280 x 960 pixels) colour sensor provides brilliant colour quality and features a light sensitivity ten times higher than most other currently available camera types. Image formats range from QVGA (320x240) and VGA (640x480) to QuadVGA (1280x960) with digital zoom, all of which can be selected as needed.

Using its freely definable exposure measurement zones, the camera automatically adapts to difficult backlight situations. Low contrast scenes usually pose a problem to video recording, but thanks to some powerful image enhancement features, the camera records high-contrast images even under these conditions. Since the camera has two separately focused lenses, one for daylight and one for night, expensive IR corrected lenses are not needed.

The new system, say SeSys, will offer significant economic advantages in any site-related business by utilizing off site user-friendly video management capabilities. The powerful, portable solution is intrinsically linked to asset control and management information, for example Health & Safety control and compliance. It also offers additional benefits such as voice duplexing, external

temperature monitoring for building controls, lower security/ insurance costs and ease of access for other authorised users, such as architects or surveyors.

David Cawkell, SeSys' Managing Director, comments:

"Today's businesses, whether in construction, site security or building management, face potential challenges at every turn. Health and safety issues, vandalism, pilfering and unauthorised entry can easily create delays to building schedules and bring the risk of project penalties and sky rocketing insurance premiums. Heavy plant theft and material loss from sites can bring even the most ambitious and well managed projects to a halt.

Remote vision of this kind provides management with a window on the working world from the convenience of an office desk. Wherever the site is located, a system can be installed in minutes, connecting directly to a PC or company network, and can be viewed by any authorised user from any work station on the network, home location or compatible PDA."

For further information please email SeSys Ltd