

Further information

SILROC
www.silroc.cz

Trust the HD/3D imaging experts

Two high definition remote heads and one professional



proCAM can provide 60 pictures a second in real time with HD quality.

base unit for really synchronous 3D-image processing – the proCAM development platform offers many unique options for camera use in 2D or 3D medical applications. The provider of the innovative proCAM System, Nuernberg-based Solectrix, is a well-known provider of imaging solutions, with proven expertise in high-performance data stream management.

proCAM's ancestor, the sinaCAM, is a celebrated new solution for digital 3D professional film production. Early this year, a special variant was used in the medical field for the first time. A Portuguese surgery team successfully tested it for 3D documentation purposes and real-time observation on a 3D monitor. Andre Salvagnac from Anadicon managed the test.

"Thanks to the platform character of the proCAM, it is possible to customise the camera for various medical applications and requirements," he says.

proCAM's processing is able to provide 60 pictures a second in real time with HD (1920x1080) quality. The latest innovation offered by Solectrix is a ring wheel installed to give the 3D-camera a 360° plus circle for cable-free turning. All in all, the most obvious advantage of the

system is its very compact, yet modular and flexible, architecture. The remote head can be used up to 150m away from the steering and processing core, the recorder or the monitor without any decrease in picture quality. This makes it possible to use it even within most modern high-tech operations; for example, for integration into lighting fixtures.

The proCAM system based on CCD sensor technology works with various object lens systems from wide-angle, which can be used for supervising the whole room, to close-in focusing to reveal intricate details of the operation process. In addition, algorithms can be entered and an alarm system installed.

"What's also very helpful for use in a medical environment is the flexible compatibility of proCAM's data with its surrounding IT and IP system," says Jürgen Steinert, Solectrix managing partner. "The pictures can first be analysed in real time within the proCAM system and the outcomes can be used via interface everywhere in the health provider's IT system.

"Our company is focusing on bringing the benefits of HD imaging and 3D imaging into modern health technology without overloading the external systems with unnecessary data."

Further information

Solectrix
www.solectrix.de/procam

Full-scale ethylene oxide services

STERISYS is a solution and service provider for industrial ethylene oxide (EO) and steam-based equipment. As a dynamic player in Europe, STERISYS offers an outstanding range of solutions and services for the sterilisation industry, particularly companies that need new equipment or



STERISYS provides innovative solutions to the sterilisation industry.

modifications/improvements to their existing installations. The STERISYS portfolio covers:

- engineering services – these start at the earliest stage of the customer's plans to modify/improve their installations or implement new sterilisation production capacities. STERISYS offers full customer support throughout each project phase in order to provide the best solutions.
- design, manufacturing and commissioning of own sterilisers – STERISYS offers modular designs that comply with EN 1422, EN11135 and FDA standards, using state-of-the art technology; this service provides great flexibility for specific customer requirements and a smooth integration with existing (or new to create) production and IT environments
- delivery of all other process components: fully equipped pre and post-conditioning chambers with temperature and humidity control, EO peak-shaver and catalytic convertors, and automatic pallet transportation and conveyor systems
- turnkey projects covering implementation, commissioning and validation services
- maintenance services for all EO sterilisation equipment.

STERISYS is a technology and business integrator. It has the necessary industry and insight knowledge to support

business processes and, if needed, organisational transformation.

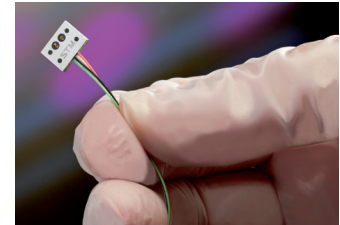
The company focuses on its long-term partnership with customers. By fully understanding their needs, STERISYS can deliver the most appropriate and cost-effective services.

Further information

STERISYS
www.sterisys.eu

Innovative optical microsensor technology

The miniaturisation trend in medical device development continues. Conventional optosensors, including fibre



STM is a world-leading manufacturer of optical microsensors for a range of demanding applications.

optics, often cannot meet specific needs in terms of sensor size, light beam quality and measurement precision.

Using unique technology, STM is today the world's leading manufacturer of optical microsensors for challenging applications in demanding environments. Patented optoelectronic microcomponents such as LEDs, laser modules and photodiodes offering extraordinary optical performance are the core components of a product range that covers reflective, through-beam and laser sensors.

These elements allow for the design of extremely small sensing heads. By selecting specific wavelengths, physical or biochemical effects such as absorption or fluorescence can be optimised.

For STM, rapid prototyping is