



THE SOPIX SERIES

Veterinary

Striking contrast for a more reliable diagnosis



Tel 01452 347101

info@photonsurgicalsystems.co.uk

www.photonsurgicalsystems.co.uk

Bringing Harmony !

Through SOPRO's extensive experience in digital sensors, the SOPIX® series **improves** your dental procedures by simplifying use and bringing you exceptional image quality. Our sensors have been developed to satisfy all requirements of any veterinary practice while offering a solution for every budget.

Integrated in all SOPIX series sensors, ACE® technology, patented by SOPRO, freezes the image during acquisition, in order to protect each image from overexposure. The first shot is always perfect. The image always crystal clear.

Save time and stay calm, ACE takes care of everything...

... and we protect your patients

Protecting yourself and your patient from unnecessary X-rays exposure is essential. For this purpose, and based on ACE technology, SOPRO®* and SATELEC®* research departments combined their expertise to develop a unique solution which now stops the X-Ray emission to minimize patient exposure.

Now, a communication is established between SOPIX² inside® digital sensor and the X-Mind™ unity intraoral X-ray system, to adapt the dose to the patient's dental morphology. Unlike other systems on the market, this new process reduces the dose received by the patient by up to 52%.



Exclusive performances and advantages...



Fast and easy

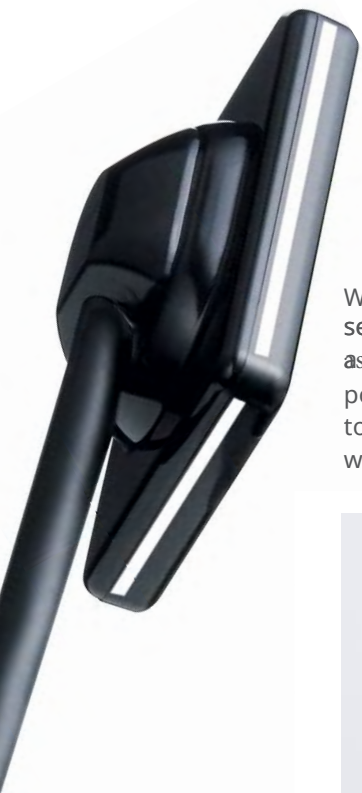
The SOPIX series sensors, available in two sizes, are always ready to acquire. Your images are displayed instantaneously.



Better patient comfort

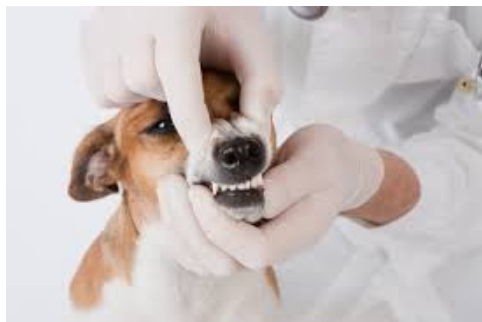
Edges and corners are rounded on the sensor to improve patient comfort.

Scale 1

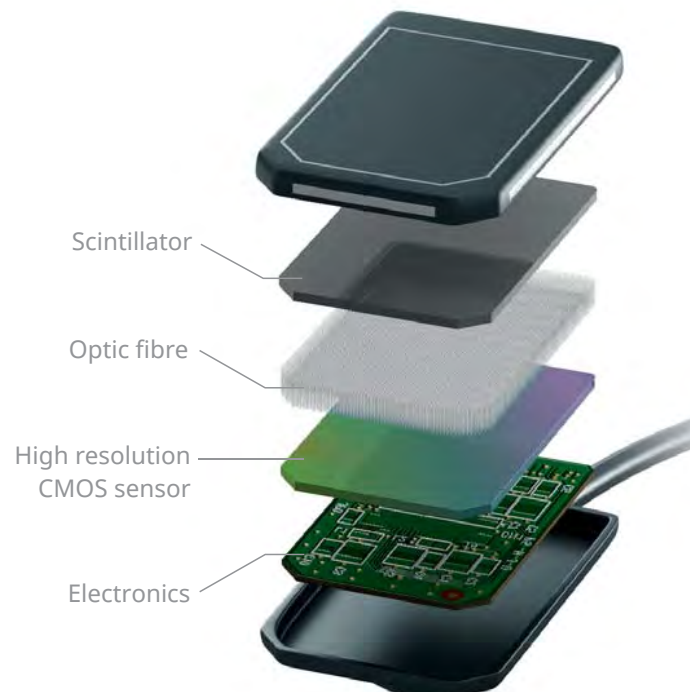


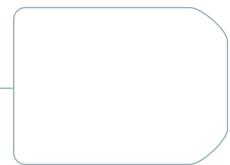
Smart design

White side stripes offer high visibility of the sensor in the darkness of the mouth. They assist the veterinary surgeon by positioning the X-ray tube perpendicular to the sensor. The images are accurate, without distortion.



Leading-edge technology





High-quality images

The SOPIX series sensors provide accurate images and striking contrasts to ensure a reliable diagnosis.



easy



high-tech



No more overexposed images

Available on all SOPIX series sensors, ACE technology, patented by SOPRO, analyzes in real time the amount of X-rays accumulated by the sensor. It freezes the image acquisition as soon as it received the radiation required to provide a good-quality image. Thus, it protects each image from overexposure.

The **veterinary surgeon** and the patient are ensured that the first X-ray is always perfect, avoiding additional image acquisition. The **veterinary surgeon** saves time and the patient is protected from unnecessary X-ray exposure.

NO MORE
OVEREXPOSED
IMAGE





Outstanding working comfort

Through direct integration of SOPIX² inside* sensor into X-Mind unity[®] intraoral X-ray system, connecting cables are hidden inside the X-ray unit. Your working environment now becomes more ergonomic and well-organized.

The holder places the sensor safely to prevent from falling to the floor. At easy reach, it is always ready for optimal working comfort.



Stop useless radiation



The integration of the sensor into the X-Mind unity intraoral X-ray system, combined with ACE technology, allows for a unique communication.

When SOPIX² inside has received the energy required to provide a good-quality image, it sends the information to the intraoral system to stop the X-Ray emission.



52%
less
radiation



... and optimal protection!

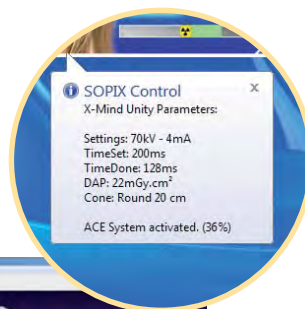


Effective protection for minimal exposure

ACE technology, combined with X-Mind unity, limits patient exposure to X-rays. Now, the patient only receives the necessary dose adapted to their dental morphology, which protects them from useless overexposure.

ACE reduces by up to 52% the patient's dose compared to a standard exposure.

unique
&
safe



Sopro Imaging,
always one step ahead

EXCLUSIVE
TRACEABILITY

The unique communication between SOPIX² inside and X-Mind unity now allows Sopro Imaging to systematically save, for each acquisition, all the data from the generator : exposure times, dose savings, dose area of irradiated tissues referred to (DAP)...

Dose received by the patient is now traceable.

These features, already present in conventional radiology, are now integrated by SOPRO for intraoral radiology.



THE SOPIX SERIES



SOPIX

With proven quality and reliability, SOPIX offers a good-quality image at a very affordable price.

It is the most economic solution of the SOPIX series.



SOPIX²

This sensor provides an exceptional image quality, using the best technologies available.

SOPIX²® is THE solution for optimal performances.



This sensor is directly integrated into X-Mind unity intraoral X-ray system, resulting in the reduction of X-ray emission.

Patient's well being is at the highest priority.





THE SOPIX SERIES

Technical specifications

Size 1

External dimensions 25 x 39mm
 Active surface area 600mm² (20 x 30mm)
 Number of pixels 1.50million

Size 2

External dimensions 31 x 42mm
 Active surface area 884mm² (26 x 34mm)
 Number of pixels 2.21 millions

SOPIX / SOPIX inside system

Technology CMOS + scintillator+ optic fibre
 Pixel size 20µm x 20µm
 Theoretical resolution 25lp/mm
 Real resolution >12lp/mm
 Supplied imaging software..... Sopro Imaging
 TWAIN module Yes

SOPIX² / SOPIX² inside system

Technology CMOS + scintillator + optic fibre
 Pixel size 20µm x 20µm
 Theoretical resolution 25lp/mm
 Real resolution >18lp/mm
 Supplied imaging software..... Sopro Imaging
 TWAIN module Yes

SOPIX / SOPIX² USB connection

Connection..... USB 2.0
 Total cable length 3.70m

SOPIX inside / SOPIX² inside USB connection

Connection..... USB 2.0
 Sensor cable length 0.70m

Windows® minimum configuration required

Operating system Windows XP Pro SP3
 Processor Intel® Pentium IV – 1.3GHz
 RAM 512MB
 Hard disk..... 250GB
 USB ports 2 USB2 Hi-Speed ports
 Graphic card 32MB RAM unshared memory compatible DirectX 9
 USB Chipset Intel® or NEC® / RENESAS®
 Screen resolution 1024 x 768

Windows® recommended configuration

Operating system Windows 7 Pro SP1
 Processor Intel Core i5
 RAM 4GB
 Hard disk..... 1TB
 USB ports 4 USB2 Hi-Speed ports
 Graphic card Chipset Nvidia® or ATI® 512MB unshared memory compatible DirectX 9
 USB Chipset Intel® or NEC® / RENESAS®
 Screen resolution 1280 x 1024 or more

MAC® minimum configuration required

Computer MacBook® Pro 13.3" or iMac® 21.5"
 Operating system Mac® OS X Mavericks or later
 Processor Intel® Core 2
 RAM 2GB

MAC® recommended configuration

Computer iMac 27"
 Operating system Mac® OS X Mavericks or later
 Processor Intel Core i7
 RAM 4GB