

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

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
TWIN module Yes

SOPIX / SOPIX² USB connection

Connection USB 2.0
Total cable length 3.70m

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

MAC® minimum configuration required

Computer MacBook® Pro 13.3" or iMac® 21.5"
Operating system Mac® OS X 10.6 Snow Leopard
Processor Intel® Core 2
RAM 2GB

Note : In the case of SOPIX inside et SOPIX² inside, the IEC 60601-2-65 norm requires for each X-Ray intraoral system with an onboard digital sensor to use a square collimator.

Note: The data transfer from the intraoral system X-Mind unity to Sopro Imaging is not available on Sopro Imaging Mac version yet.

Size 2

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

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
TWIN module Yes

SOPIX inside / SOPIX² inside USB connection

Connection USB 2.0
Sensor cable length 0.70m

Windows® recommended configuration

Operating system Windows 7 Pro SP1
Processor Intel Core 2
RAM 2GB
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® recommended configuration

Computer iMac 27"
Operating system Mac OS X 10.7 Lion
Processor Intel Core i7
RAM 4GB



PROTECT YOUR PATIENTS' ACTIVITY

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THE SOPIX SERIES
So respectful



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English



Bringing Harmony !

We improve your everyday life...

Through SOPRO's extensive experience in digital sensors, the SOPIX® series improve your everyday life by simplifying use and bringing you exceptional image quality. Our sensors have been developed to satisfy all requirements of any dental 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 images always clear.

Save time and stay Zen, 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%.



* Affiliate of Acteon® group

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.

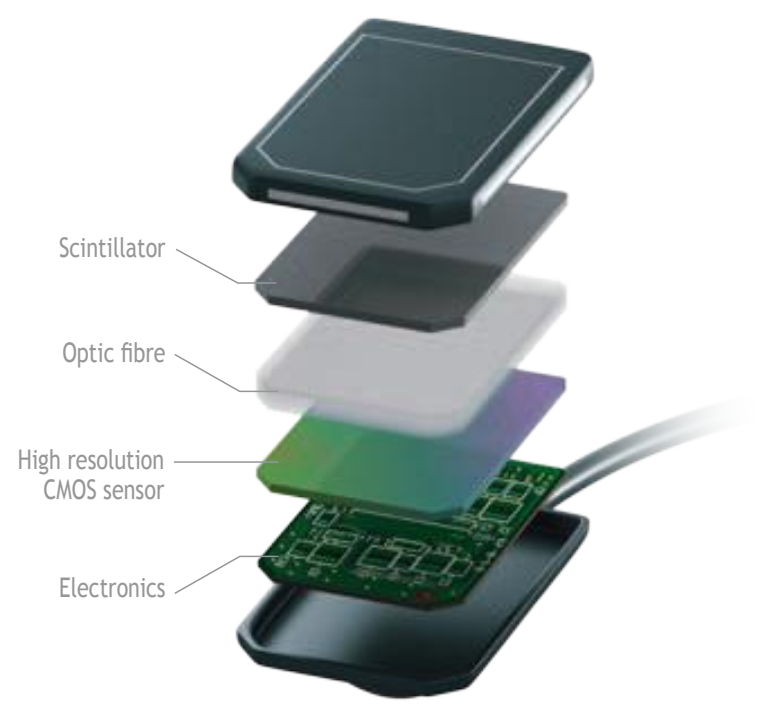


Smart design

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



Leading-edge technology



NO MORE OVEREXPOSED IMAGE

easy & high-tech

High-quality images

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



Ace technology 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 dental professional and the patient are ensured that the first X-ray is always perfect, avoiding additional image acquisition. The dental professional saves time and the patient is protected from unnecessary X-ray exposure.



... and optimal protection!

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.

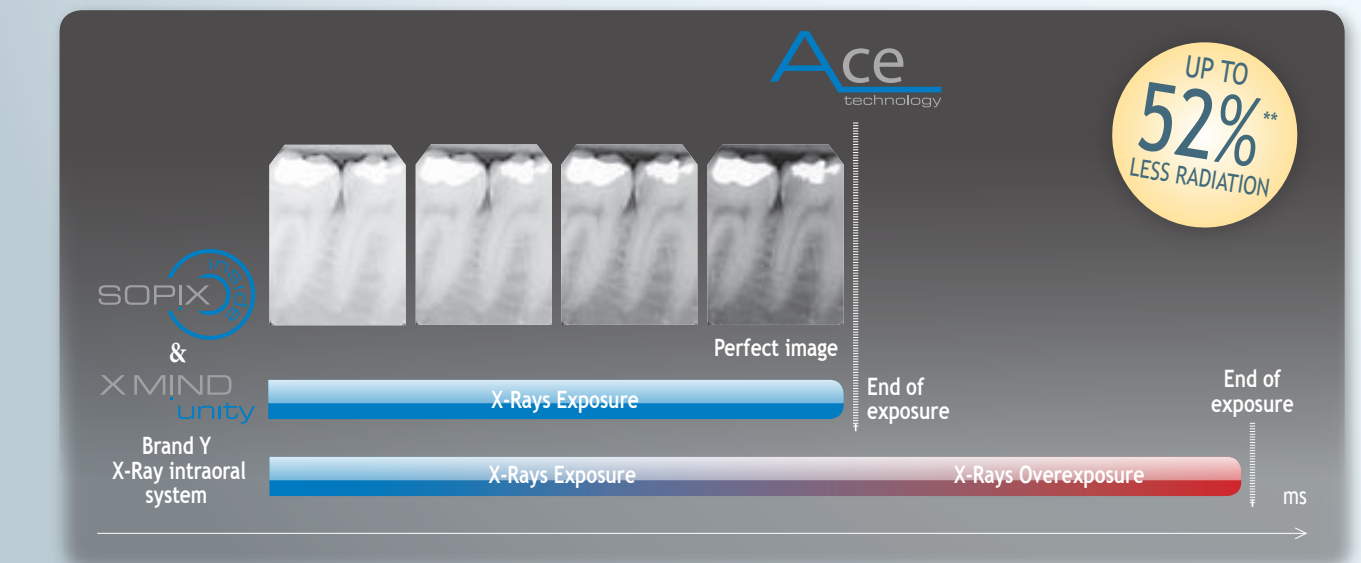
The holder places the sensor safely to prevent from falling to the floor. At easy reach, it is always ready for optimal working comfort.



Ace technology 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.



* Also available in economic version SOPIX inside.
** Reduction variable according to the patient's morphology.

Effective protection for minimal exposure

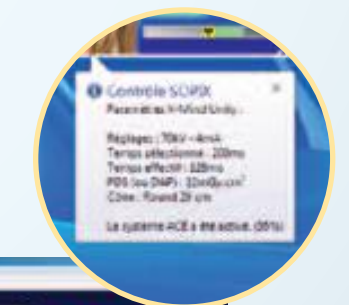
ACE technology, combined with X-Mind unity, limits patient exposure to X-rays. Now, the patient only receives the necessary dose adapted to their dental morphology, which protects them from useless overexposure. ACE reduces by up to 52% the patient's dose compared to a standard exposure.



Sopro Imaging, always one step ahead

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.



EXCLUSIVE TRACEABILITY

* You can use this functionality with any other imaging software through our acquisition module.