



THE SOPIX SERIES
So respectful



English

IMAGING
ACTEON

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%.



Exclusive performances and advantages...

Size 1



Fast and easy

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

Size 2



Scale 1

Better patient comfort

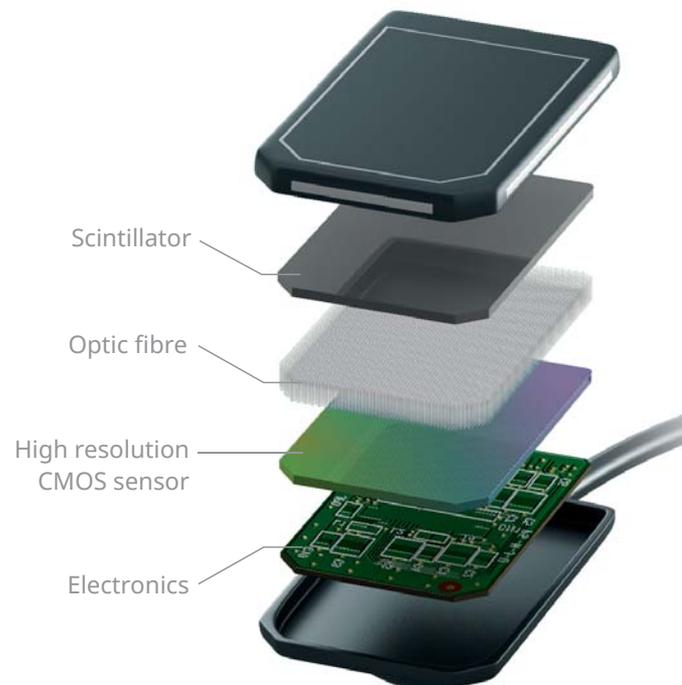
Edges and corners are rounded on the sensor to improve patient comfort.

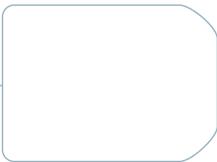
Smart design

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





High-quality images

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



easy



high-tech

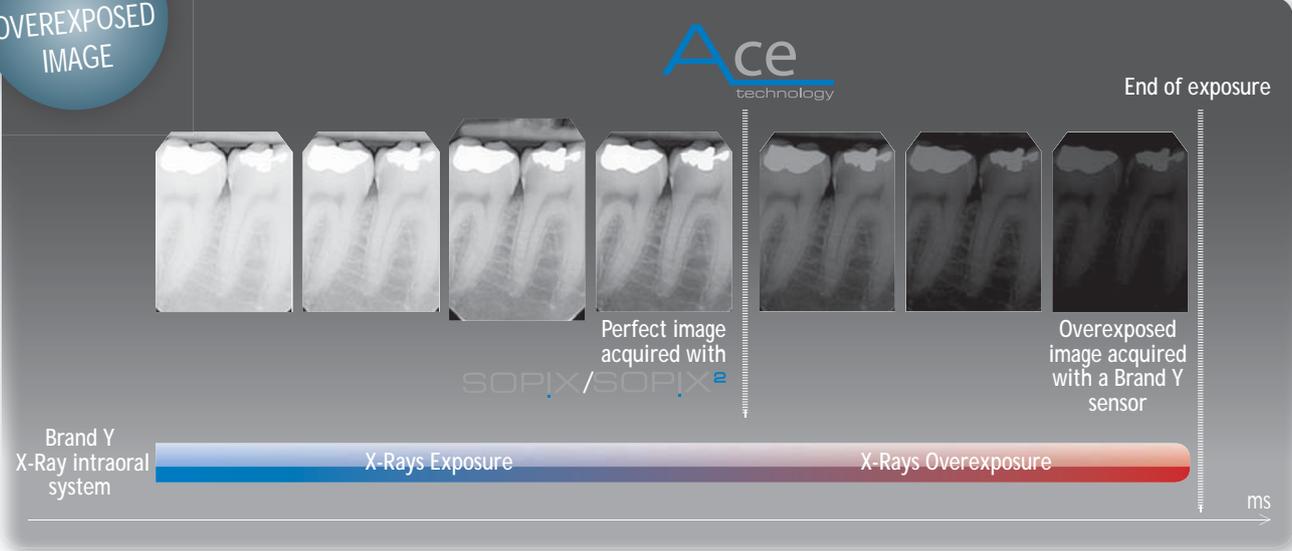


No more overexposed images

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 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.

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.

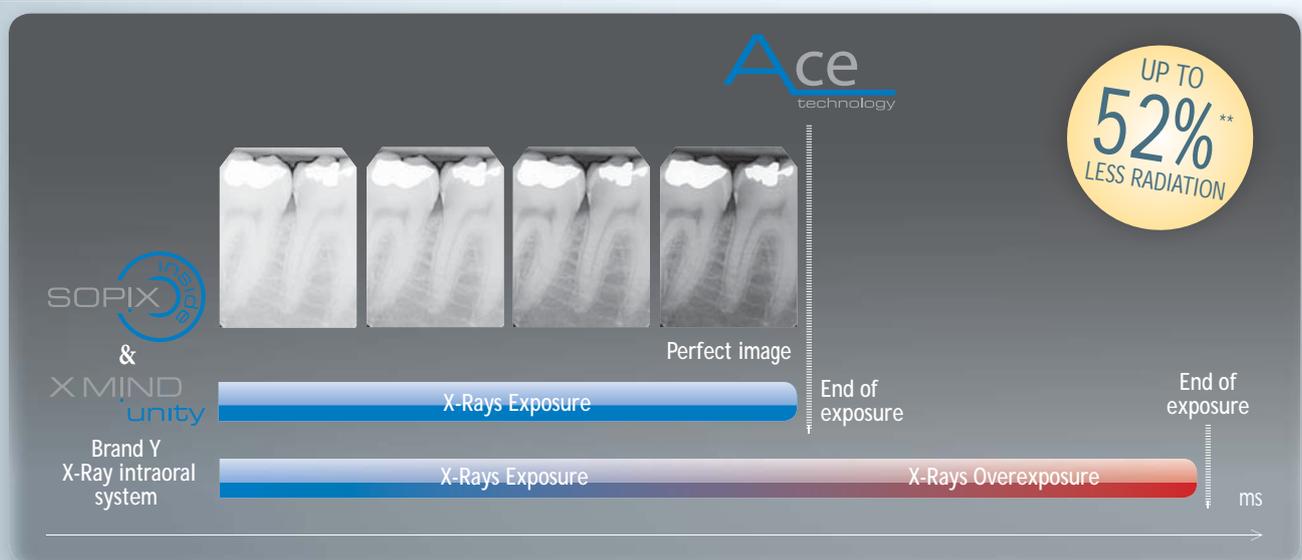


Stop useless radiation



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.



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

... 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



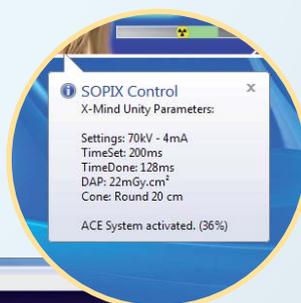
Sopro Imaging,
always one step ahead

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	600mm ² (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
TWAIN 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 Mavericks or later
Processor	Intel® Core 2
RAM	2GB

Size 2

External dimensions	31 x 42mm
Active surface area	884mm ² (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
TWAIN 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 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® recommended configuration

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

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.