

Digital Sensors

SMART SENSORS FOR EFFORTLESS PERFORMANCE

Enhancing your workflows
through innovation

sopix
series



sopix series

Smart sensors, for effortless performance

Because your mission is demanding we have developed a range of smart digital sensors to ensure you a high resolution image that automatically adjusts to your needs and those of your patients.

Leader in the dental and imaging industry, ACTEON® place its 20 years of expertise at your service.

Made in France, SOPIX® sensors are a concentrate of innovation and quality, guaranteed by 2 patents.



Smart sensors, for effortless performance



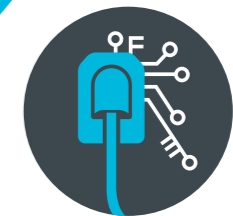
SMART DOSE

The ACE® technology protects the image from over exposure for an optimal quality without any effort.



SMART FLOW

Our sensors adapt to all clinical cases, all morphologies and all software, to provide you and your patients greater comfort.



SMART TECHNOLOGY

Our latest generation of digital sensors provide a sharp X-ray image for an easy reading of the different dental tissues.

Smart Dose

Smart sensors to capture only the required dose

Shot and optimal quality X-rays the first time and every time.

The Automatic Control Exposure® technology analyses in real-time the amount of X-rays accumulated by the sensor.

It automatically freeze the image acquisition as soon as the sensor receives the radiation dose required to produce an optimal image.

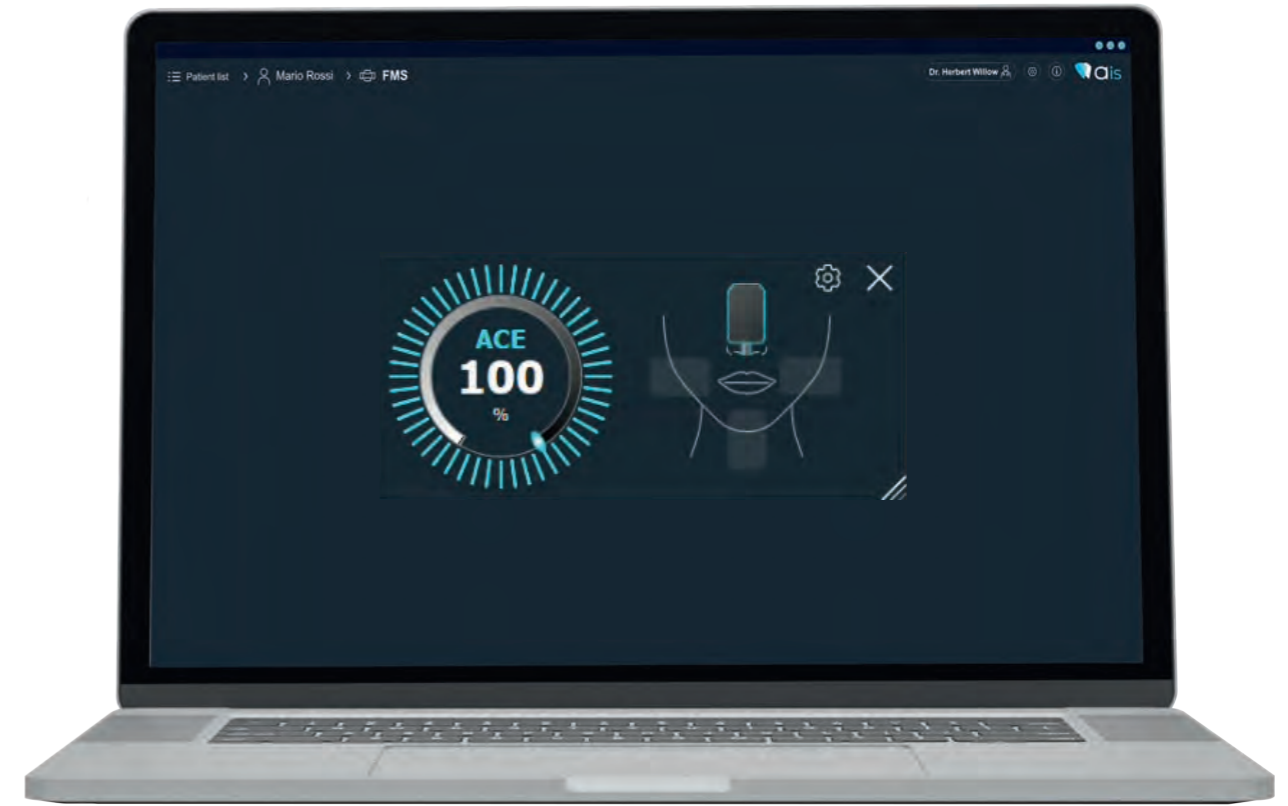
Thus, even with a too high set-up of your generator, the image will no longer be overexposed and you will no longer need to retake.



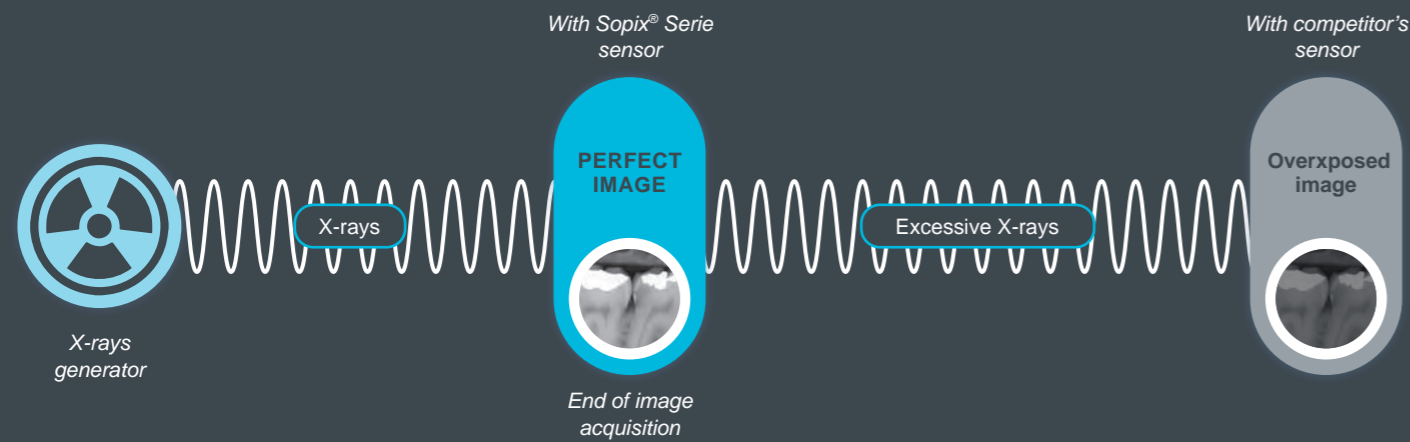
Analyze the amount of energy received in real time

Our integrated module displays a dose measurement for each acquisition. This information will enable you to adjust the emitted dose of X-ray if necessary.

Keep control with the acquisition module



About our ace technology



Our exclusive ACE® technology stops the image acquisition, protecting images from overexposure.

*Automatic Control Exposure



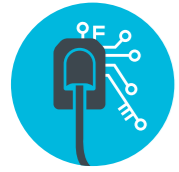
WITH SOPIX® SERIES

Example after an overexposed to x-ray shot.

The image is not overexposed thanks to our ACE® technology but you are aware you have generated more X-rays than necessary. Then you can review the X-ray exposure settings to reduce the dose for your patients.



With competitor's sensors



Smart Technology

High quality X-rays image for a reliable diagnosis

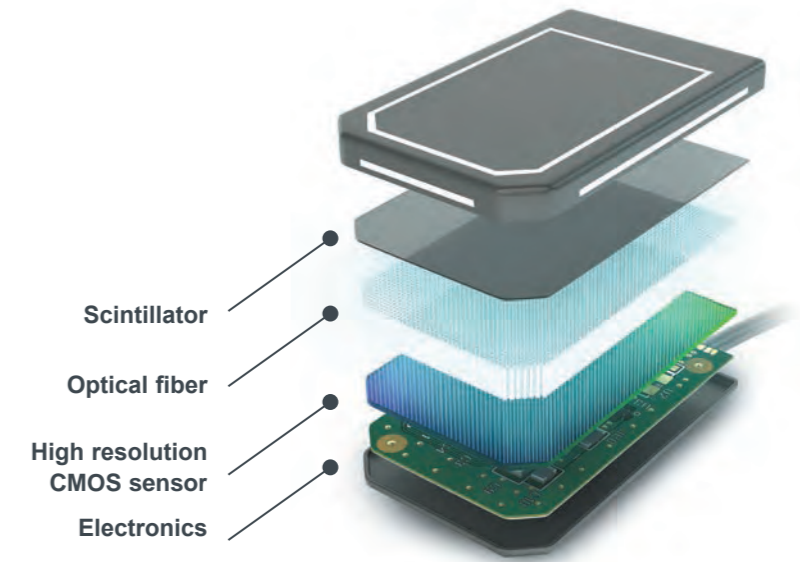
SOPIX® SERIES offers a differentiation of the dental tissues and a reliable image of the tooth's anatomy, ensuring a safe and rapid diagnosis.



Experience the latest generation of digital sensors

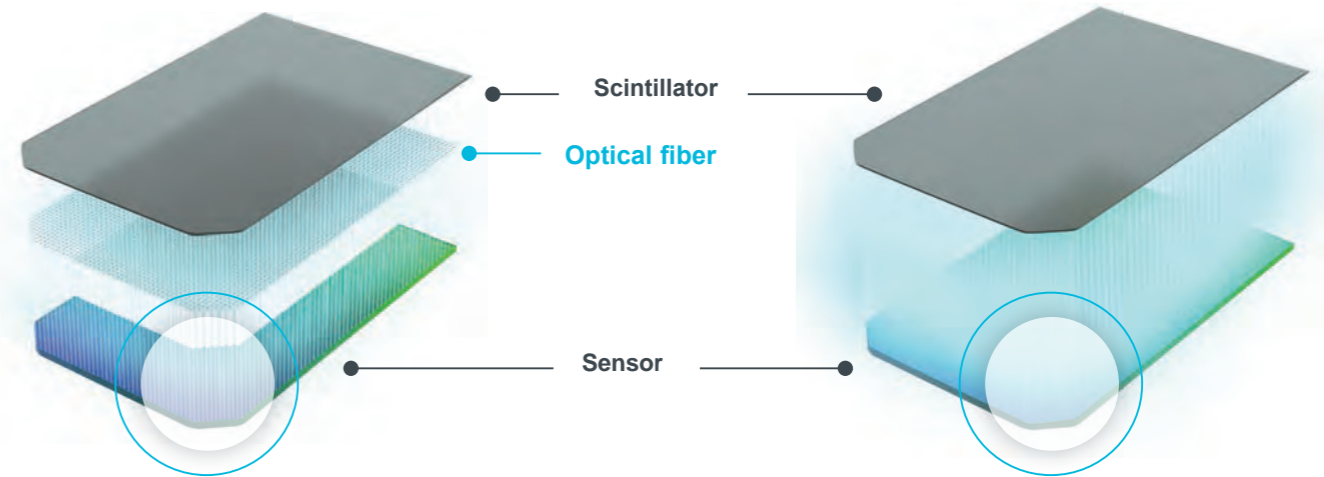
The FIBER2PIXEL® technology is based on the use of wide spectrum optical microfibers, guaranteeing the clarity and the contrast of the images.

Don't miss any flaws



WITH FIBER2PIXEL®

WITHOUT FIBER





Smart Flow

Ergonomic devices for a comfortable & productive working environment



Ready to use



Scan simply & quickly



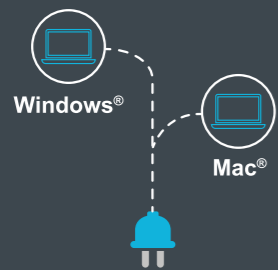
Intuitive image manipulation



Simple treatment planning



Simplify communication & acceptance of treatment

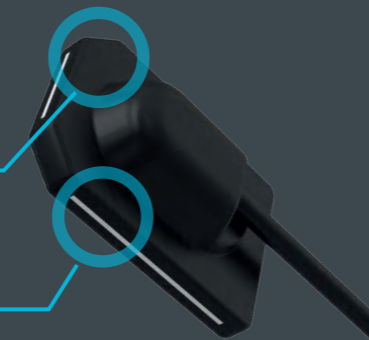


TWAIN

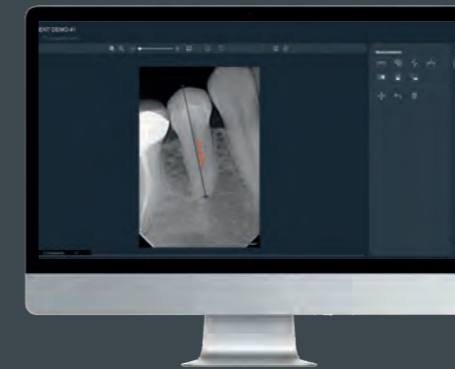
Third imaging software

Rounded corners for better comfort and in mouth reach

White side stripes to guide positioning



And available in 2 sizes, to adapt to all clinical cases and all morphologies.



Modern and user-friendly interface designed to naturally guide you in every step of your work.



Finely designed workflows to fulfill your daily tasks with the minimum number of steps, to take you straight to the result.



Ready to use diagnostic report tools, helping the patient to perceive the value of your treatment proposal.



Each patient is different, our sensor range adapts to your needs.

Our portfolio SOPIX® SERIES aims to be a true partner of trust by providing ergonomic solutions that can be handled and adapted to all morphologies and to all clinical applications. SOPIX® & SOPIX®2 are fully compatible with your current configuration and can easily be installed.

sopix

A reliable and affordable solution to answer your essential needs.

Resolution: >12pl/mm



sopix 2

The solution for improved performance and high-definition resolution.

Resolution: >18pl/mm





About Caries Detection workflow

With ACTEON®'s caries detection product portfolio, you can implement an efficient caries detection and treatment workflow. It also helps you communicate more successfully with your patients and increase confidence.



Diagnosis

I see a large number of patients every day, so my practice requires that me and my team stays on top of its productivity.



C50 intraoral camera is the perfect companion for non-invasive and reliable caries detection, thanks to its fluorescent technology.



Treatment

I need to make my treatment as efficient and minimally invasive as possible for my patients.



With its controlled linear vibrations and frequency adjustment, Newtron® P5XS B.LED allows precise treatments and preserves tissues. It makes the treatment more comfortable for both the patient and yourself.



Follow-up

I need to be able to do the proper follow-up on my procedures while minimizing the radiation exposure for my patients.



I can provide the most complete follow-up at the lowest dose to my patients thanks to my X-MIND® unity with Sopix® Plug-in and the ACE® technology.



Protection

I need to ensure optimal clinical protection for my patients and limit the risk of cross-contamination.



riskontrol

Riskontrol® disposable tips are your must-have solution to perform dental care in a safe and clean place. It assures protection, comfort and safety in every daily clinical procedures.

Technical specifications

	Sensor size 1	Sensor size 2
External dimensions	25x39 mm	31x42 mm
Active surface	600mm ² (20x30mm)	884mm ² (26x34mm)
Number of pixels	1,50million	2,21million

Systems connection	
Connection	USB2.0
Active surface	3,70m

	SOPIX®	SOPIX®2
Technology	CMOS + scintillator + optic fibre	CMOS + scintillator + optic fibre
Pixel size	20µmx20µm	20µmx20µm
Theoretical resolution	25pl/mm	25pl/mm
Real resolution	>12pl/mm	>18pl/mm
Provided imaging software	AIS≥4.5	AIS≥4.5
Compatible TWAIN	Yes	Yes

Windows®	SOPIX®	SOPIX®2
Operating	Windows® 10 PRO 64bits	Windows® 11 PRO 64bits
Processor	Intel® Core i5 – 2 Cores 4 thread	Intel® Core i5 – 4 Cores 4 thread
RAM	8GB	8GB
Hard disk	250GB	300Go
USB port	AIS≥4.5	AIS≥4.5
Graphic card	2 USB2.0 Hi-Speed ports	2 USB2.0 Hi-Speed ports
USB Chipset	OpenGL 2.1 or Direct X 9 or 11 graphics card	OpenGL 2.1 or Direct X 9 or 11 graphics card
Screen	Intel or NEC® / RENESAS®	Intel or NEC® / RENESAS®
Resolution	1 600x1 024	1 600x1 024

Mac®	Minimum configuration required	Recommended configuration
Computer	MacBook® Pro 13" or iMac® 21.5"	iMac® 27" Retina
Operating system	macOS Monterey	macOS Ventura
Processor	Intel® Core i5 or from Apple M1	Intel® Core i7 or from Apple M1
RAM	8GB	8GB



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