SMART SENSORS FOR EFFORTLESS PERFORMANCE

Enhancing your workflows through innovation

sopix 2
plug-in

sopix
plug-in

acteon

sopix plug-in

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.
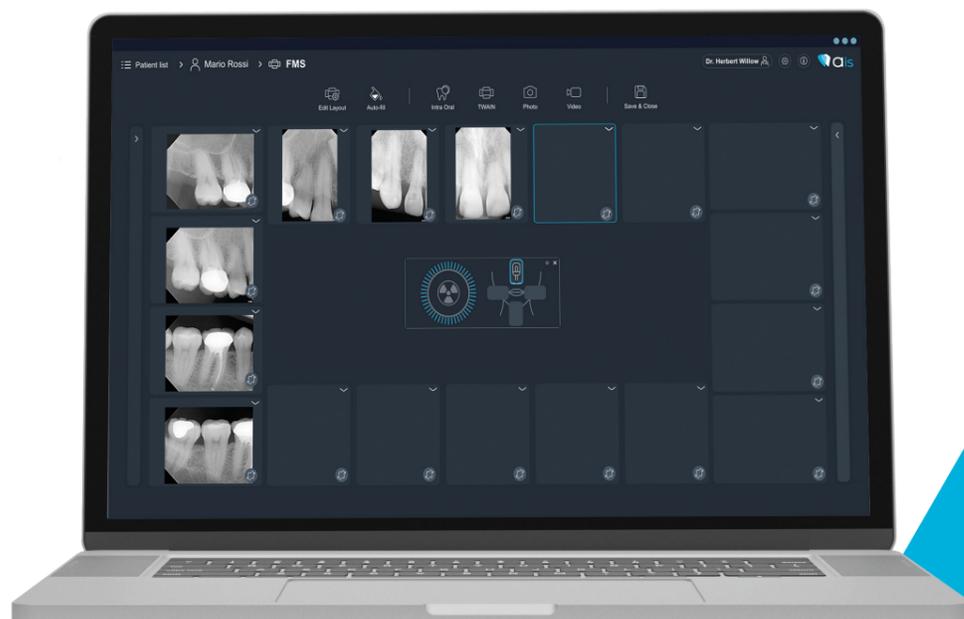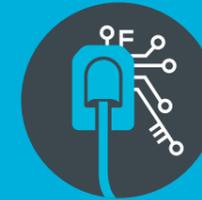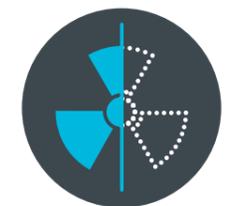
Smart sensors, for effortless performance

SMART TECHNOLOGY

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

SMART FLOW

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

SMART DOSE

The ACE® technology protects both the image and your patient from unnecessary exposure.

Smart Dose

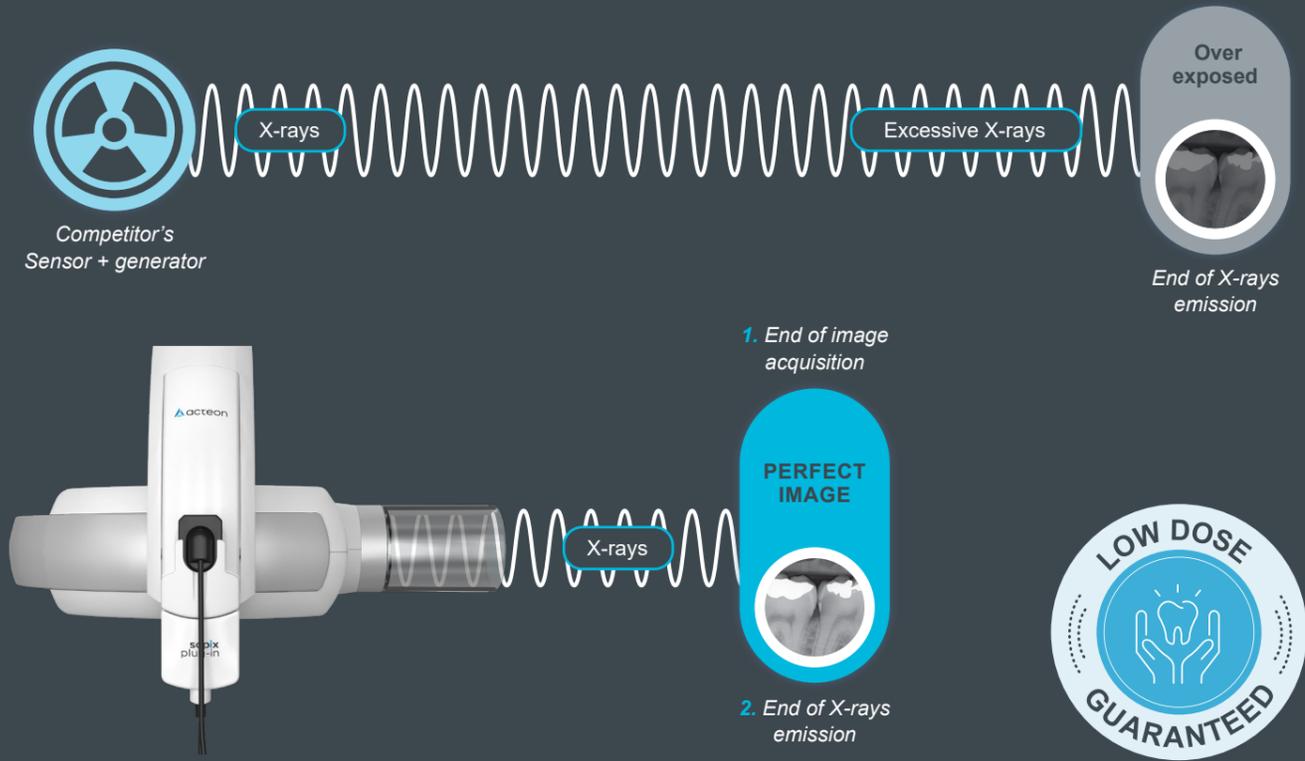## An efficient protection with a minimal exposure time.

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

Once the sensors receive the required radiation dose, it order to the X-MIND® unity to limit the emission of X-rays. You take an optimal quality x-ray from the first time avoiding overexposure risk to both the image and the patient.

Thus, even with a too high set-up of your generator, the patient receives the minimum dose required to provide a high-quality image.

About our ace technology

Competitor's Sensor + generator

X-rays
Excessive X-rays
Over exposed
End of X-rays emission

1. End of image acquisition
PERFECT IMAGE
X-rays
2. End of X-rays emission

LOW DOSE GUARANTEED

Our exclusive ACE® technology protects both your patients and your images from overexposure.
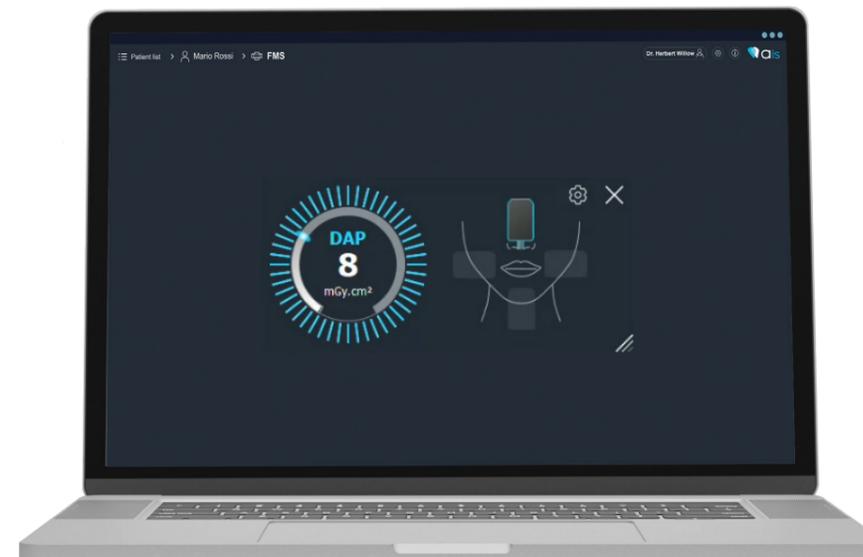
*Automatic Control Exposure

Ensures permanent traceability for every patient

The SOPIX® Plug-in sensor remains within reach.

Its detachable part is a practical solution to move from one room to another or to use the appropriated sensor size.

It also protects the sensors thanks to its compartment and its environment without cables.

DAP
8
mGy.cm²

Our acquisition module goes even further thanks to its connection with the X-MIND® unity.

It records the X-MIND® unity settings as well as an indication of the radiation dose received (KAP) by the patient for each acquisition.

Smart Technology

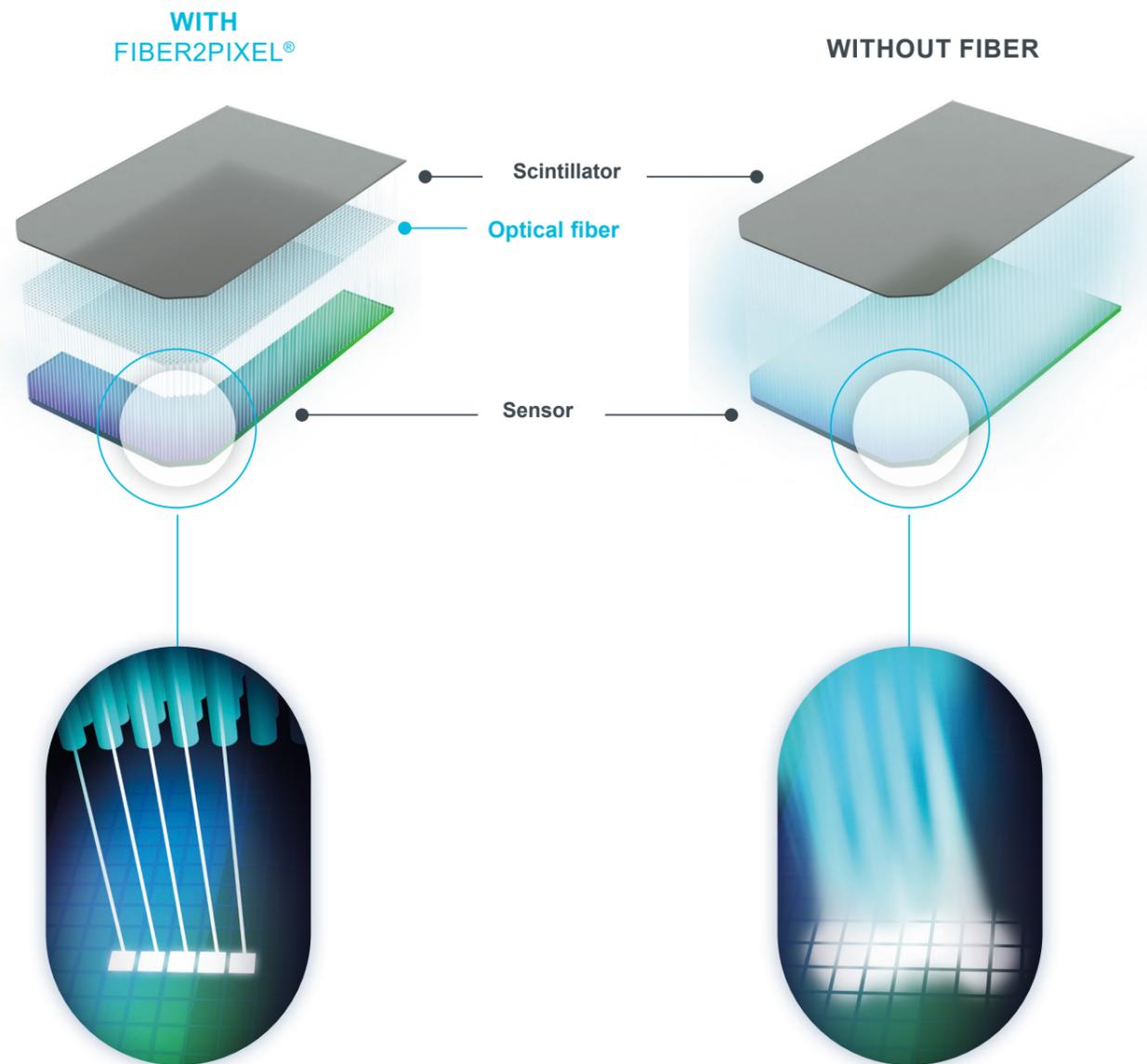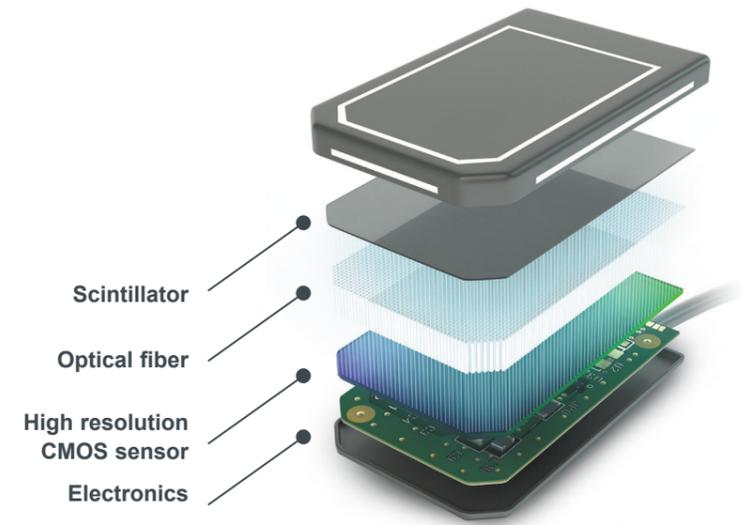## High quality X-rays image for a reliable diagnosis

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

Scintillator

Optical fiber

High resolution CMOS sensor

Electronics

WITH FIBER2PIXEL®

WITHOUT FIBER

Scintillator

Optical fiber

Sensor

Smart Flow

Ergonomic devices for a comfortable & productive working environment

acteon imaging suite

① Ready to use

Windows®
Mac®

sopix plug-in

ais

TWAIN

Third imaging software

② Ready to scan

sopix plug-in
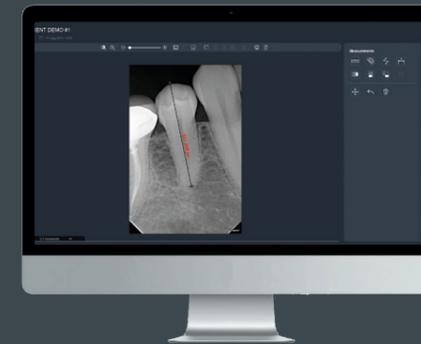
③ Scan simply & quickly

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.

④ Intuitive image manipulation
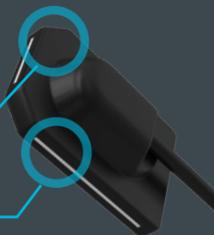
Modern and user-friendly interface designed to naturally guide you in every step of your work.

⑤ Simple treatment planning

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

⑥ Simplify communication & acceptance of treatment

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

Free yourself from constraints with the embedded system and its detachable sensor part.

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

Our SOPIX® Plug-In combined with X-MIND® unity generator are limiting the radiation exposure and offers you wide flexibility thanks to its detachable part.

Size 2
31x42mm

Size 1
25x39mm

Size 2
31x42mm

Size 1
25x39mm

sopix plug-in

SOPIX® first generation with more safety, freesdom and comfort.

Resolution: >12lp/mm
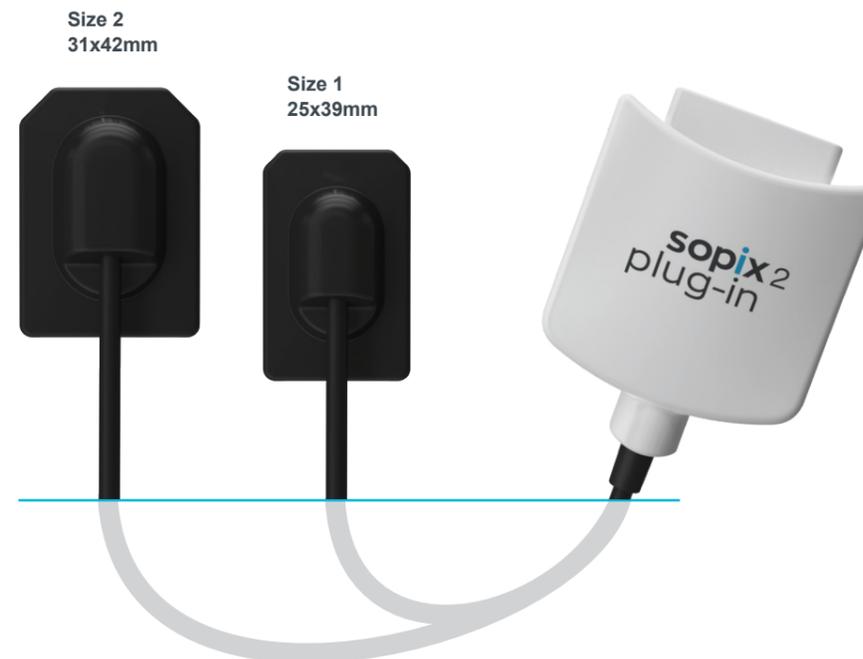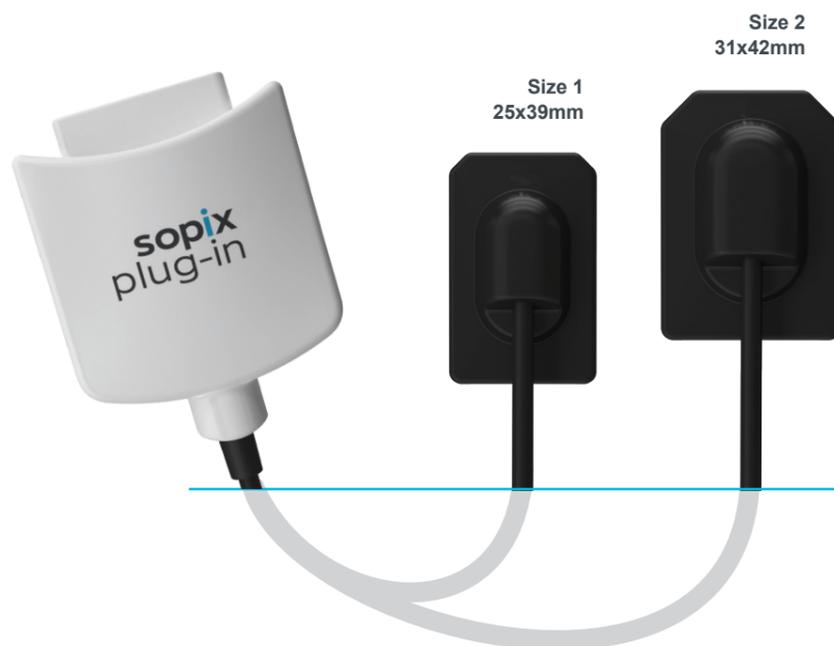
sopix 2 plug-in

The latest technology with no compromise on image quality with more safety, freedom and comfort.

Resolution: >18lp/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

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.

newtron

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.

sopix plug-in

x-mind unity

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.

acteon

Technical specifications

	Sensor size 1	Sensor size 2
External dimensions	25x39mm	31x42mm
Active surface	600mm² (20x30mm)	884mm² (26x34mm)
Number of pixels	1.50 million	2.21 million

Systems connection	
Connection	USB2.0
Active surface	0.70m

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

Windows®	SOPIX® Plug-in	SOPIX®2 Plug-in
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

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

acteon

SOPRO

Follow-us

The medical devices for dental care SOPIX® Plug-in and SOPIX®2 Plug-in, are of class IIa and manufactured by SOPRO (France), notified body GMED CE0459, X-MIND® unity and AIS are class IIb and manufactured by DE GÖTZEN (Italy), notified body IMQ - CE 0051. These medical devices are not refunded by health insurance organizations. Read carefully the instructions on the labelling before use.
Document update: January 2024