Imaging catalog

IMAGING

ACTEON

Acteon Imaging

Acteon Imaging, a member of Acteon Group, is born from the merger between Sopro and DeGötzen, each specialized in the development and manufacturing of imaging products for the medical market.

With over 30 years' experience, Acteon Imaging is made up of a team of 150 employees, including 25 engineers dedicated solely to new developments.

We work closely with dentists and universities to design products that meet users' expectations and patients' healthcare improvements.

Innovation is our dedication and allowed us to collect dozens of patents and awards up to now.

We are now able to offer the dental community a complete range of imaging products that are efficient, elegant, easy to use and unique.

We have gathered a brief description of all these products inside this catalogue that we are proud to introduce you.

Pierre Montillot
C.E.O

A complete range to see further

SOPRO 617

- Maximum accessibility for unequalled patient comfort
- 105° view for better exploration of the distal areas
- High-quality images
- Great depth of field
- Compatibility with a video screen and/or a computer
- Easy to use

Mac Windows 8 VIDEO COMPATIBLE

Masterpiece

Optimised Ergonomics

The SOPRO 617® intra-oral camera offers a 105° view for better exploration of the distal areas. Its rounded shape and thinness of the distal part provide greater comfort in the mouth.

Automatic focusing and Maximum Depth of Field

Portrait

Smile

Intra-oral

One tooth

Without needing to make even the smallest adjustment, the image obtained is perfectly sharp.

Sopro Touch, the "Original"

Fix the image on the screen simply by touching the touch-sensitive SOPROTOUCH.

SOPRO 717 First

- Image magnification up to 115 times in Macro mode
- Exceptional quality of image
- A successful image captured thanks to SOPROTOUCH
- Perfect integration option into the dental chair
- Compatibility with a video screen and/or a computer

Mac

Windows 8

VIDEO COMPATIBLE

The macroperfection

Shift to high tech mode

The sleek innovative design incorporates an extremely thin distal part for better access along with a highly sophisticated optical system providing exceptional image quality.

A success from any point of view

SOPRO 717 Fisrt's great depth of field means you obtain a sharp image in seconds no matter what mode is chosen.
Perfect illumination is achieved by eight LEDs.

Discover Macrovision

Dental cavity preparation

Cracked tooth

Infiltrated occlusal groove

Cervical lesion

Macrovision is the major advantage offered by the SOPRO 717 First®: it goes far beyond the limits of human eye, giving you a magnified view of up to 115 times.
A single gesture, and the infinitely small appears before your eyes!

SOPRO LIFE

Light Induced Fluorescence Evaluator

- A revolutionary concept which offers you two different visions
- Save time by making a faster, accurate diagnosis
- Protect your patients by reducing the number of x-rays
- Differentiate between healthy tissue and infected tissue
- Enhance your clinical performance

Mac

Windows 8

VIDEO COMPATIBLE

The Blue Revolution

Diagnosis Aid Mode

SOPROLIFE® offers greater accuracy in identifying the development of occlusal and/or proximal carious lesions.

This mode potentially speeds up the decision making process in treatment planning and enables safer options for the patients by possibly reducing the number of x-rays.

186%

Diagnostic Mode

185%

Daylight Mode

Treatment Aid Mode

Carious Cavity in Daylight Mode

Tissue discrimination during treatment

End of treatment

Clinical performance is enhanced as SOPROLIFE enables you to visually differentiate between infected and affected tissue in the excavated site.

Daylight Mode

In white light, from Portrait to Macro, SOPROLIFE produces unequalled quality of image.

This mode not only enables you to communicate more effectively with your patients, but also gives you the ability to see details invisible to the naked eye.

Portrait

Smile

Intraoral

Macro

SOPRCARE

- 3 modes for 3 needs
- Highlight the old and new dental plaque, gingival inflammation and caries
- Unmatchable communication tool in the dental practice
- Fully compatible with all imaging software

Mac | Windows 8 | VIDEO COMPATIBLE

The Revelation

PERIO Mode

Thanks to the wavelength emitted by the LED lights of SOPROCARE®, the new plaque is highlighted by its white and grainy characteristic and old plaque is revealed as shade of yellow and orange.
Gingival inflammation can range from hues of pink all of the way to deep magenta.

Mapping

Daylight Mode

PERIO Mode

CARIO Mode

Enamo-dentinal caries are clearly revealed by the bright red color in the CARIO mode. Other surrounding tissue is displayed in black and white, thus drawing the focus only to the carious lesions.

Mapping

Daylight Mode

CARIO Mode

DAYLIGHT Mode

A preset focus ring replaces the inconvenience of autofocus and provides sharp images with no delay, regardless of the object or the distance.

Broken amalgam

Caries in amalgam border

Implant

13

SOPIX & SOPIX²

- Rounded corners and edges for better patient comfort
- White side stripes to assist the dentist with correct positioning of the x-ray tube
- Fast and easy to use
- Outstanding image quality
- ACE technology prevents overexposure of the image: the first shot is always the right one

Mac   Windows 8

So Easy, So High-tech

Bringing harmony!

Through SOPRO's extensive experience in digital sensors, the SOPIX® series improves 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.

• SOPIX², for optimal performances.

• SOPIX, for a good-quality image at a very affordable price.

Size 1

Scale 1

320%

Size 2

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.

NO MORE OVEREXPOSED IMAGE

Ace technology

End of exposure
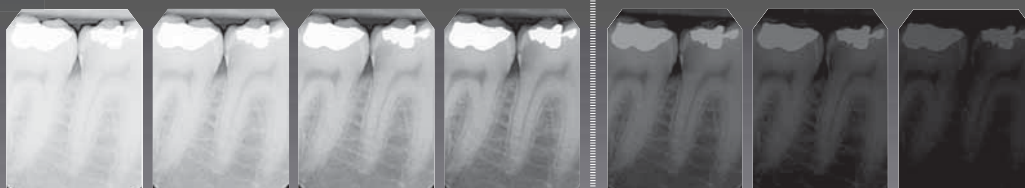
Perfect image acquired with
SOPIX/SOPIX²

Overexposed image acquired with a Brand Y sensor

Brand Y X-Ray intraoral system

X-Rays Exposure

X-Rays Overexposure

SOPIX² inside

- Ergonomic and well-organized working environment
- A unique communication between SOPIX² inside sensor and X-Mind unity intraoral x-ray system through ACE technology
- The patient only receives the necessary dose adapted to his dental morphology, protecting him from useless overexposure
- ACE reduces by up to 52% the patient's dose compared to a standard exposure
- Exclusive traceability through your imaging software. The dose received by your patient (DAP) is now recorded!

Mac   Windows 8

So unique, so safe

SOPIX² inside* is directly integrated into the X-Mind™ unity® intraoral X-ray system and makes patient's protection our utmost concern.

LOW DOSE

Ace technology Stop useless radiation

SOPIX inside
&
X MIND unity

Brand Y
X-Ray intraoral
system

X-Rays Exposure

Perfect image

End of
exposure

X-Rays Exposure   X-Rays Overexposure

End of
exposure

ms

UP TO
52%*
LESS RADIATION
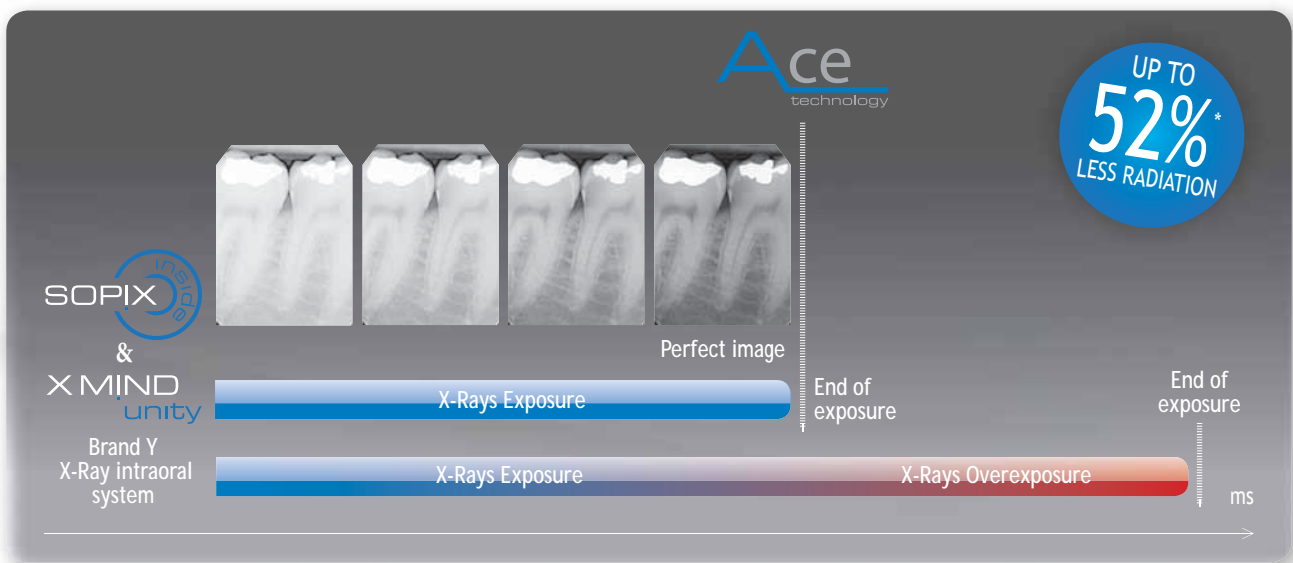
* Reduction variable according to the patient's morphology.

The integration of the sensor into the X-Mind unity intra oral x-ray system, combined with ACE technology, allows 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.

Optimal protection for your patient

ACE technology, integrated into the SOPIX² inside sensor and combined with X-Mind unity, limits patient exposure to x-rays. Now, the patient only receives the necessary dose adapted to his dental morphology, which protects him from useless over-exposure.
ACE reduces by up to 52% the patient's dose compared to a standard exposure.

* Also available in economic version SOPIX inside.

new
PSPiX

- Amazing Size & Avant-garde design
- Interactive
- Fast and Smart workflow
- Fully automated and efficient
- Perfectly adapted to multi AND single user
- High image quality
- Top of hygiene

Mac   Windows 8

Beyond the future

Amazing size!

We create the new PSPIX, a powerful concentrate of technology to offer you the smallest scanner of the market.

Click & Scan!

Save time with the new "Click and Scan" concept of the PSPIX, the simplest way to win efficiency in a multi-users dental practice.
Select your workstation directly on the touch screen and let PSPIX do the job…

For every one…
but also for each one

The new PSPIX is a convivial solution, perfect to be shared in a multi-users dental practice. But the new PSPIX is so affordable, small and elegant that you can now have one in each single room chair side. No need to move to another room to scan the images, you significantly save time.

XMIND AC
XMIND DC

- Very high quality
- Two X-Mind AC and/or DC generators can be controlled by a single timer
- Rotation at 395° around the vertical axis
- Better protection thanks to a high focus-to-skin distance
- Programmable timer

The instant
for perfection

Reliability of the X-Mind™ AC and DC generators

The X-Mind AC® and DC® generators are renowned for their reliability and their unvarying performance. Two beams limitation systems together with the expansion chamber enable the operator and his/her assistant to work in complete safety.

Shorter exposure time with X-Mind DC generator

Exposure times with the X-Mind DC generator are optimised for use with digital sensors.

Programmable user-defined timer

With the X-Mind timer, the micro-processor controlled exposure times are user-defined and programmable. The timer is compatible with digital imaging systems and can control two AC and/or DC generators alternatively.

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X MIND
unity

LOW DOSE

- 3 arm lengths are available
- Movement is fluid and is done without any effort or stress
- Work flow and comfort improved drastically due to the integration of the sensor
- Up to 52% less radiation
- Exclusive traceability through Sopro Imaging software. Dosage received by the patient (DAP) is automatically recorded

Where quality becomes beauty

A sharp and contrasted image

The X-Mind unity has a 0.4 mm focal spot.
It has several configurable radiological settings:
• The anodic voltage (60, 65 and 70 kV)
• The anodic current (from 4 to 7 mA)
These parameters ensure a sharp and contrasted image with defined contours.
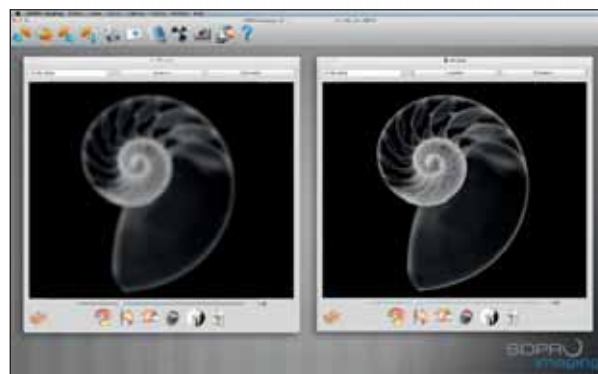
Up to 52%* less radiation with Ace technology

The unique communication between X-Mind unity and the patented ACE technology present in the digital sensor Sopix inside allows to adapt the dose to the dental morphology of the patient.

Traceability

The dose received by the patient after each exposure appears on the timer's screen.

With SOPIX inside, this dose is also recorded in the patient's file of SOPRO Imaging ensuring permanent traceability.

* Reduction variable according to the patient's morphology.

X MIND
trium

- Easily upgradeable
- Superior image processing with SHARP and STAR
- Low Dose with Algebraic Reconstruction Technique
- Patented Ceph collimation
- Large selection of F.O.V

Mac Windows 8

Not limit

X-Mind trium is a digital imaging system which can be upgraded. Thanks to its extensive range of options, there is an X-Mind trium with features and functionalities to suit all your requirements.

3 solutions in 1

X-Mind trium extensive possibilities of panoramic, cephalometric and 3D acquisition types make it the perfect tool for :

• Implant surgery

• Orthodontics

• Endodontics

• Periodontal treatment

• General dentistry
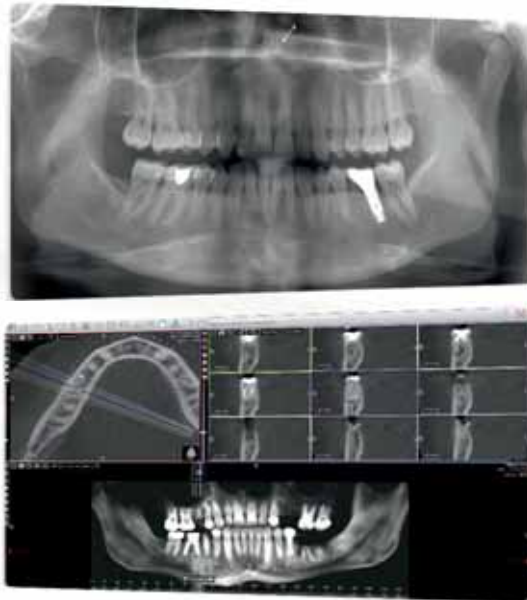
Panoramic

All movements of X-Mind trium benefit from its advanced kinetics. Silent micro-steps motors make acquisitions quieter and more precise than ever. They ensure that the dental anatomy of every patient can be seen in the highest level of detail on the panoramic image.

CBCT

X-Mind trium provides a full arch examination in one scan with the best diagnostic possibilities for all dentistry specialties.

With a wide choice of F.O.V., selecting the right volume for your examination is the warranty for the patient to get the lowest radiation exposure.

ø 40x40 mm

ø 60x60 mm

ø 80x80 mm

ø 110x80 mm

Cephalometric

With its cephalometric arm, X-Mind trium provides low dose, sharp images and patient comfort. It is the ideal partner to every Orthodontics specialist and maxillofacial surgeon.

The cephalometric arm can be installed either on the right or left side of X-Mind trium. It can be equipped as either a single or dual sensor system for the most efficient workflow.

X MIND trium
with ART*
Dose reduced by 20 to 30%

X MIND trium
without ART*
Dose reduction of 30%
Dose divided by 13

Other CBCT

Medical scanner

50   100   1200 1300   μSv
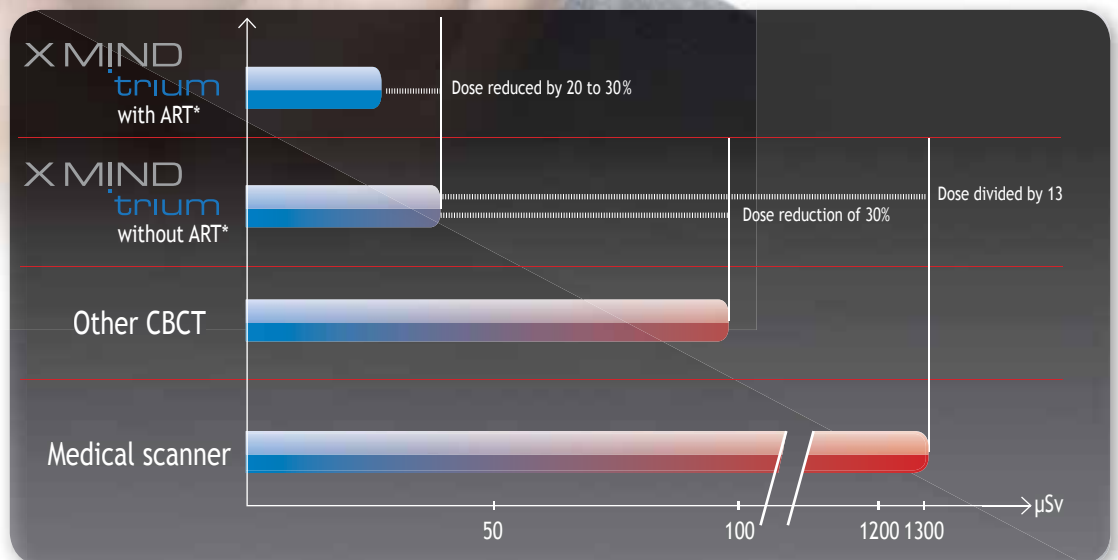
The Patient Protection

ART (Algebraic Reconstruction Technique) reduces the necessary quantity of radio projections by a third, meaning a reduction of 20 to 30%. Know as «low dose program» in Medical CT, only the best CBCT manufacturers have mastered this technology.

LOW DOSE

Superior image processing

X-Mind trium benefits from the novel cutting edge software and algorithm techniques for enhanced image post processing.

SHARP™ (Spatial High Amplitude Re-Processing) reduces streak artefacts and noise levels resulting in a clear, crisp image especially at the boundaries of the Hounsfield Units scale in such areas as airways and bones.

STAR™ (Spatial Technique for Artefacts Reduction) is perfect for acquisitions with patients who have large crowns or multiple implants. The metal artefacts disappear allowing a clear reading of the image.

whitefox

- High quality image with calibrated HU
- Robust mechanical structure
- Full and precise diagnostic
- Acquisition and reconstruction in less than 2 minutes

Everything becomes clearer and simpler with a big FOV

WhiteFox comes in a complete package specializing in Dental and Maxillofacial clinical applications. Having WhiteFox inside your clinic makes it possible in one visit, to have a clear and complete diagnosis.

A complete dentomaxillofacial volume ready for your diagnosis

One scan provides you with an incredible amount of information enabling the most comprehensive and accurate diagnosis

- Implantology planning
- Cephalometry
- Orthodontics and Gnathology
- TMJ analysis
- Oral and Maxillofacial surgery
- Endodontics
- Airway study
- Ear Nose and Throat
- Head and neck
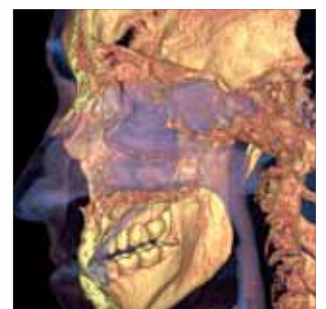
High image quality

Hounsfield units calibration is a unique WhiteFox feature for the dental CBCT. Hounsfield units express the detected radiosity in the standardized CT scale. The data of pre and post surgery analysis can be compared because they rely on the same calibration method. Only with WhiteFox can you obtain a reliable estimation of the bone quality, a clearer soft and hard tissue segmentation and a clear air differentiation.

Comfort of the patient

Putting the patient in a calm and relaxed environment will lead to fewer movements during acquisition and therefore a better image. Thanks to the laser positioning beams, the settings are limited and precise and the face-to-face positioning enables to reassure the patient through the examination.

Minimal dose for the patient

At the cutting edge of mathematical and programming technology, ART (Algebraic Reconstruction Technique) reduces the needed quantity of radio projections by a third, allowing a 20 to 30% dose reduction while providing an unrivaled image quality.

ACTEON imaging suite

- Superior design
- Clean lines
- User friendly
- Open architecture
- Full integration
- Advanced functionalities

Mac   Windows 8

Don't limit yourself

Acteon has designed ACTEON Imaging Suite to enable your imaging workflow to run more efficiently.

Compatibility and comfort of integration

Acteon Imaging suite is Windows and Mac compatible. It can be linked to most Practice Management Software and can be installed on the clinic computers sharing devices as well as common centralized database.
There is no need to use multiple imaging software to handle each part of your equipment, AIS will connect to all Acteon imaging products as well as to other digital devices with the TWAIN* function.

Comprehensive functionalities

Clear and intuitive icons are displayed according to which devices are connected, and menus and tools are clearly identified. Each image can be treated, filtered, annotated and measured with a large range of tools. They can be part of a report, exported in different formats, printed or sent via e-mail.

AIS provides you with a unique Implant Library**, video function and dose traceability.
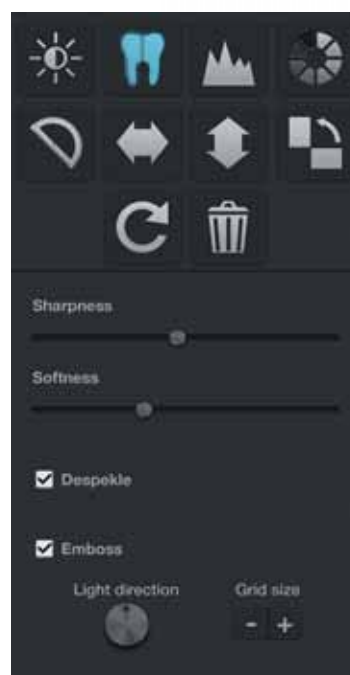
* On the condition that the device is TWAIN compatible itself.
  Ask for a list of implant manufacturers.

** Ask for a list of implant manufacturers.

SOPRO imaging

- Ergonomic and intuitive
- Available in 27 languages
- Wide range of tools
- Compatible with Windows XP, Vista, 7, 8 Professionnal
- Compatible with all Management software

Windows 8

Digital Imaging at your service

A complete and intuitive software

- Intuitive and ergonomic
- Multilingual software
- Simplified network integration
- Compatible with Management software packages
- Data base for both X-ray and intra-oral cameras images

- Modules dedicated to diagnostic cameras
- Image and live movie capture
- Dental chart
- Status and status editor
- Drawing tools
- Implants libraries
- Twain acquisition
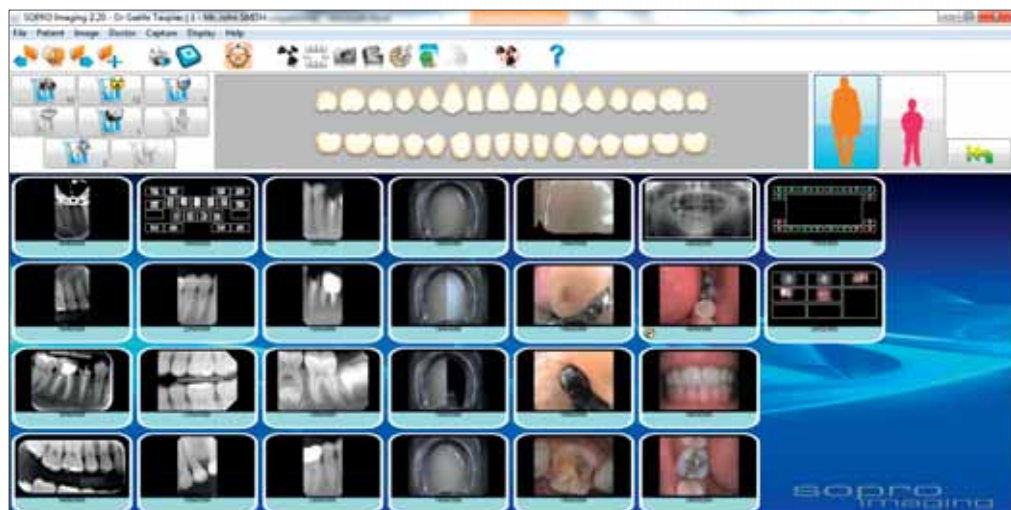
A unique communication through® SOPIX² inside *

By means of the unique communication between SOPIX² inside and X-Mind unity, a data transfer occurs during each acquisition from the intraoral system to Sopro Imaging.

Exposure times, dose savings, dose refered to area of irradiated tissues (DAP)... are stored for each image.

Dose received by your patient is now traceable.

218%

292%
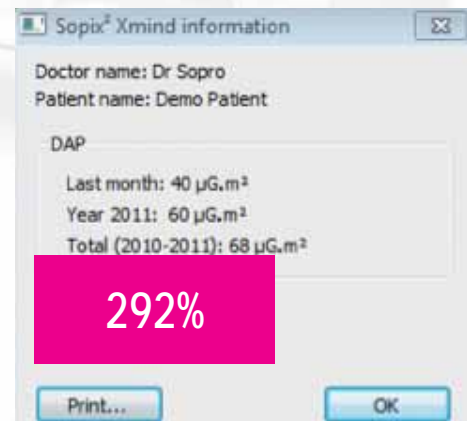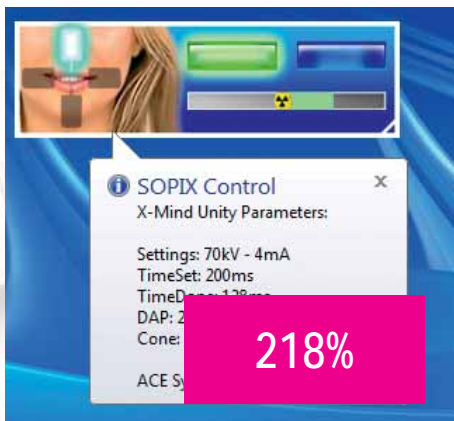
Exclusive traceability !

You can save and consult the review of the doses received by your patient.

A true revolution in terms of traceability in the field of intraoral radiology.

- Unique communication between X-Mind unity intraoral x-ray system and SOPIX2 inside sensor through ACE technology
- Live display of the doses received by the patient (DAP) for each image
- Control of the dose economy
- Exclusive traceability of the doses received by the patient

Windows 8

* Also available in economic version SOPIX Inside.

Enjoy the ergonomy and the conviviality of MAC OS with Sopro Imaging for MAC!

- User-friendly, smart design for optimal professionnalism
- Intuitive software
- X-ray images acquisition through the digital sensors of the SOPIX range
- Color image acquisition through SOPRO intraoral cameras
- Patient database
- Wide range of tools

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

- User friendly and smart design
- Available in 27 languages
- Compatible with all MAC versions from OS X 10.6 Snow Leopard

Mac

Technical specifications

SOPRO 617

- High sensitivity..1/4" CCD
- Resolution.....................................(752x582) PAL; (768x494) NTSC
- Definition ....470 lines
- Sensitivity.. 2 lux
- Lighting...8 LED
- Adjustment .... fixed focus
- Non-inverted image

- Freeze Frame with SoproTouch or pedal.............................. (option)
- Angle of view ....80°
- Cable length .... 2.5 m
- Dimensions of the handpiece in mm................. L. 205 x W. 28 x H. 24
- Usable part dimensions ....W: 16 x D: 11.10 mm
- Weight .... 55 g

SOPRO 717 First

- High sensitivity...1/4" CCD
- Resolution.....................................(752x582) PAL; (768x494) NTSC
- Definition .... 470 lines
- Sensitivity... 2 lux
- Lighting... 8 LED
- Adjustment ....3 pre-set positions
  (Extra-oral, Intraoral, Macro)

- Non-inverted image
- Freeze Frame with SoproTouch or pedal.............................. (option)
- Angle of view...70°
- Cable length .... 2.5 m
- Dimensions of the handpiece in mm................. L. 200 x W. 28 x H. 24
- Dimensions of the distal part in mm..................................l. 13 x H. 8
- Weight .... 75 g

SOPRO LIFE

- High sensitivity...1/4" CCD
- Resolution..................................(752x582) PAL; (768x494) NTSC
- Lighting.............................. White Mode: 4 LED; Blue Mode: 4 LED
- Adjustments ....4 pre-set positions
  (Extra-oral, Intra-oral, LIFE, Macro)
- Freeze Frame with SoproTouch or pedal............................ (option)

- Angle of view...70°
- Cable length .... 2.5 m
- Dimensions of the handpiece in mm................. L. 200 x W. 30 x H. 24
- Weight .... 78 g

SOPRO CARE

- High sensitivity...1/4" CCD
- Resolution.................................. (752x582) PAL; (768x494) NTSC
- Lighting.................................... 7 LED (4 white; 3 blue)
- Adjustments ....4 pre-set positions
  (Extra-oral, Intra-oral, 1 Tooth, Macro)
- Freeze frame with SoproTouch or pedal .... (option)

- Angle of view ....70°
- Cable length .... 2.5 m
- Dimensions of the handpiece in mm................. L. 200 x W. 30 x H. 24
- Dimensions of the useful part .... l.13mm x H.8 mm
- Weight .... 78 g

SOPIX & SOPIX² & SOPIX² inside

SIZE 1

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

SIZE 2

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

SYSTEM

- Technology.................................... CMOS + scintillator+ optic fiber
- Pixel size .... 20 µm x 20 µm
- Theoretical resolution .... 25 lp/mm
- Real resolution for Sopix²/Sopix² inside ....>18 lp/mm
- Real resolution for Sopix/Sopix inside............................>12 lp/mm
- TWAIN module.. Yes
- Connection...USB 2.0
- Total cable length for Sopix²/Sopix....................................3.70 m
- Sensor cable length for Sopix²inside/Sopix inside....................0.70 m
- Screen resolution .... 1024 x 768
- Ethernet board ....100Mb\s - 1Gb\s

All products are supplied with the imaging software except X-Mind unity.
Windows and MAC configuration common to our whole range of products.

new PSPIX

SYSTEM

- Theoretical resolution .... ≥ 20 lp/mm
- True resolution .... ≥ 14 lp/mm
- Connection... Ethernet RJ-45
- Dimensions.......................................L. 154 x D. 205 x H. 193 mm
- Weight ....2.6 kg
- Operating voltage ....100 ~ 240 V, 50/60 Hz

IMAGING PLATES

- Dimensions IP Size 0... 22 x 35 mm
- Dimensions IP Size 1... 24 x 40 mm
- Dimensions IP Size 2... 31 x 41 mm
- Dimensions IP Size 3... 27 x 54 mm
- Dimensions IP Size 4 (2 x size 3).................................. 52 x 54 mm

WINDOWS® RECOMMENDED CONFIGURATION

- Operating system .... Windows 7 Pro SP1
- Processor... Intel Core i3
- RAM ....2 GB
- Hard disk ....500 GB
- USB ports... 4 USB2 Hi-Speed ports
- Graphic card...Chipset Nvidia® or ATI® 512 MB unshared memory compatible DirectX 9 or more
- USB Chipset... Intel or NEC / RENESAS
- Screen resolution .... 1280 x 1024 or more
- Ethernet board .... 1Gb\s

WINDOWS® MINIMUM CONFIGURATION REQUIRED

- Operating system .... Windows XP Pro SP3
- Processor.. Intel® Pentium IV – 1.3 GHz
- RAM ....512 MB
- Hard disk ....250 GB
- USB ports... 2 USB2 Hi-Speed ports
- Graphic card................................... 32 MB RAM unshared memory compatible DirectX 9
- USB Chipset...Intel® or NEC® / RENESAS®
- Ethernet board ....100Mb\s - 1Gb\s

MAC® RECOMMENDED CONFIGURATION

- Computer ....iMac 27"
- Operating system .... Mac OS X 10.9
- Processor.. Intel Core i7
- RAM 4GB
- Ethernet board .... 1Gb\s

MAC® MINIMUM CONFIGURATION REQUIRED

- Computer ....MacBook® Pro 13.3" or iMac® 21.5"
- Operating system ....Mac® OS X 10.9
- Processor...Intel® Core 2
- RAM 2GB
- Ethernet board .... 1Gb\s

X·MIND AC & X·MIND DC & X·MIND unity

	X-Mind AC	X-Mind DC	X-Mind unity
Classification	Electromedical equipment, Class 1 type B		
Supply voltage	220/230/240 V - monophase 50/60 Hz	230 V - 50/60 Hz	100 – 240 V
Power absorption at 230 V	800 VA	1.4 kVA	850 VA
X-ray tube	New Toshiba DG 073B tube (70 kV)	New Toshiba DG 073B tube (60-70 kV)	TOSHIBA D-041 5 (60/65/70 kV)
X-ray tube voltage	70 kV	60-70 kV	
Anode current	8 mA	4 - 8 mA	7 mA
Focal spot	0.7 mm		0.4 mm
Total filtration	Equivalent to 2 mm Al at 70 kV		>1.5 mm Al @ 70 kV
Leakage radiation	< 0.25 mGy / h		< 0,25 mGy / h
Technology	AC	DC	High frequency DC
Timer	from 0.08 to 3.2 seconds	from 0.02 to 3.2 seconds	from 0.02 to 2 seconds
Weight of the head	9 kg	5.5 kg	6 kg
Total weight	28 kg	25 kg	23 kg
Optional equipment	Circular cone ø 60 mm..20 cm (8") Rectangular cone 45 x 36 mm..31 cm (12") Wall-mounting arm...0.40 m or 0.80 m or 1.10 m Inverted wall mounting...0.40 m or 0.80 m or 1.10 m		
	Ceiling arm...Ref. Faro Ø 35 mm – length 1.70 m or 1.30 m Unit arm...Ref. Faro ø 60 mm or ø 50 mm Mobile..Height 1.10 m, length 0.80 m, width 0.70 m		
Accessories	Second control button with remote exposure switch RX indicator light for external use Adaptable mounting wall plate		

Manufactured in compliance with currently applicable regulations and standards (EC Directive 93/42/EEC and sub-segment amendment).

IEC 60601-2-65 imposes for each x-ray generator furnished with a digital sensor to use a square cone.

X MIND trium	PANORAMIC	CBCT	CEPHALOMETRIC
X-RAY SOURCE			
Tube type	High frequency DC generator		
Total filtration	>2.5 mm Al @ 90 kV		
Mode of operation	Continuous	Pulsed	Continuous
Tube voltage	60 - 85 kVp	90 kVp	60 - 85 kVp
Anodic current	4 - 10 mA	4 - 12 mA	4 - 10 mA
Focal spot	0.5 mm	0.5 mm	0.5 mm
DETECTOR			
Type	CMOS	Flat Panel CMOS	CMOS
FOV and format	260 x 148 mm	ø40 x 40 mm, ø60 x 60 mm, ø80 x 80 mm, ø110 x 80 mm, ø100 x 80 mm (nose)	200 x 220 mm, 200 x 180 mm, 240 x 220 mm, 240 x 180 mm
Pixel size	0.100 mm	0.75 mm	0.100 mm
ACQUISITION			
Technique	180° Single scan	360° Single scan	Single scan
Exposure time	16.8 s	4 - 12 s	9 s
Scanning time	16.8 s - 25 s	12 - 30 s	14 s
Programs	Standard, child, Improved Orthogonality Panoramic, bitewings, maxillary sinus, TMJ	Semi-arch, arch, full arch, sinus, ear	Frontal PA, Frontal AP, option : Carpus
Reconstruction time	3 s	29 s	4 s
IMAGE FORMAT			
	DICOM 3.0, JPEG, JPG, BMP, PNG, GIF, TIFF	DICOM 3.0, STL	DICOM 3.0, JPEG, JPG, BMP, PNG, GIF, TIFF
MECHANICAL DATA			
Max footprint dimensions	L 150 x W 110 cm		L 150 x W 172 cm
Height	Max : 235 cm		
Weight	170 kg (PAN)	185 kg (PAN-CBCT)	215 kg (PAN-CEPH)
IEC			
Class and Type	Class I, Type B		
WORKSTATION (included with CBCT)			
CPU	Intel Xeon 2 GHz		
Hard disk	1 TB		
Graphic Processor	NVIDIA (CUDA environnement GPU family)		
RAM	8 GB		
NIC Network card	Dedicated Gb Ethernet for X-Mind trium connection		
Operating system	Windows 7 professional 64 bits		

whitefox

FIELDS OF VIEWS SIZE

.... Ø 60 x 60 mm

.... Ø 80 x 80 mm

.... Ø 120 x 80 mm

.... Ø 150 x 130 mm

.... Ø 200 x 170 mm

FLAT PANEL DETECTOR

• Type.. Amorphous silicon

• Pixel size .... 0.127 mm

• Active Area... 195 mm x 244 mm

WORKSTATION FEATURES

• Processor...Intel Xeon

• Hard Disk...1 TB

• Graphic Processor unit..2 NVidia cards

• Memory..8 GB

SCANNING PARAMETERS

• Voxel size ....100 to 300 µm

• Voxel type...Isotropic

• Scanning time .... 18 to 27 s

• X-ray exposure time.. 6 to 9 s

• Reconstruction time.. 30 s

X-RAY TUBE SPECIFICATIONS

• Focal spot... 0.5 x 0.5 mm

• Target angle ....15°

• Tube Voltage.. 105 kV (100 kV RQT8)

• Anodic Current .... 6 to 10 mA

GENERAL

• Classification .... Class 1, type B

• Mains.......................................200 - 230 V or 100-115 V, 50/60 Hz

• Weight Wall mounted version.. 240 kg

• Weight self-standing version... 275 kg

Docking Stations

Dock M-Video

- Storage of one or four images.
- Power supply: 115V~60H and 230V ~ 50Hz.
- Power consumption: 9VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- Dimensions of the dock in mm: L.145 x W.130 x H.35.
- Weight of the dock: 245g.

Dock MU-Video

- Storage of one or four images.
- Power supply: 24V~; 50Hz - 60Hz.
- Power consumption: 10VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- Dimensions of the dock in mm: L.100 x W.72 x H.36.
- Weight of the dock: 190g.

Dock M-USB2

- Storage of one or four images.
- Power supply: 115V~60Hz and 230V ~ 50Hz.
- Power consumption: 9VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- One digital USB 2.0 output.
- Dimensions of the dock in mm: L.145 x W.130 x H.35.
- Weight of the dock: 245g.

Dock MU-USB2

- Storage of one or four images.
- Power supply: 24V~; 50Hz - 60Hz.
- Power consumption: 10VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- One digital USB 2.0 output.
- Dimensions of the dock in mm: L.100 x W.72 x H.36.
- Weight of the dock: 190g.

Dock USB2

- One digital USB 2.0 output.
- Dimensions of the dock in mm: L.100 x W.46 x H.20.
- Weight of the dock: 165g.

Dock U-USB2

- Power supply: 24V~; 50Hz - 60Hz.
- Power consumption: 15 VA.
- One digital USB 2.0 output.
- Dimensions of the dock in mm: L. 50 x W. 75 x H. 36.
- Weight of the dock: 76g.

IMAGING

ACTEON