I AM EMPOWERED

INTRAORAL CAMERAS
Integration for A-dec®

ACTEON
**THE PRINCIPLE OF AUTOFLUORESCENCE...**

1) The photons provided by an external light source illuminate the tooth tissues (enamel and dentin).

2) The energy applied by the excitation source (Blue LED) to the tooth tissues cause an energy surge in the material’s elementary particles, which then become very unstable.

3) To be able to return to a situation of stability, the excess energy is released by emitting photons lower in energy than the excitation source.

**PATENTED AUTOFLUORESCENCE TECHNOLOGY**

The ACTEON® imaging team has patented a technology based on the *principle of autofluorescence*.

ACTEON® intraoral cameras provide a real-time fluorescence signal of the tooth superimposed on its anatomical image, revealing invisible tissues.

**SELECTIVE CHROMATIC AMPLIFICATION...**

Due to the combination of blue light absorption by soft tissue and selective chromatic amplification, SoproCARE® improves visibility of all areas of tissue inflammation.

**MORE INVENTIVE**

*Our scientific and clinical research in collaboration with universities and key opinion leaders all around the world, help us develop relevant innovations that meet the perpetual-evolving clinical needs.*

In the autofluorescence field, this synergy of knowledge resulted in the creation of an international scientific congress. This approach of innovation applies to all products that we are developing within ACTEON®.

**LESS INVASIVE**

**HIGHLIGHT PATHOLOGIES AND MOTIVATE THE PATIENT**

The autofluorescence makes it possible to detect decay even at its earliest stages, without subjecting the patient to any unnecessary radiation. SoproCARE® also reveals dental plaque without using plaque disclosing solutions, and highlights gingival inflammation painlessly.

Improve clinical performance and easily communicate the treatment plan to your patient. The patient is involved in making decisions and accepts the treatment.

Images can be captured and stored into any imaging software giving you all of the necessary tools to practice minimally invasive dentistry.

**MINI DOCK U_USB2** is designed for use with all Sopro cameras. It does not require a power supply due to the power being sourced from the computer through the USB cable.

Live streaming video, via a USB 2.0 connection, is sent to an operatory PC’s display. A further enhancement to this new model is the modular connection of all camera cabling to the dock... no more threading cables into dental unit flex arms.

The Mini Dock U_USB2 design is compact, lightweight and easily installed into A-dec’s 500 or 300 chair and delivery system. Capturing images can be configured to optionally use the camera handpiece or the chair’s foot control. The kit contains the docking station as well as all required cabling for successful integration.
DIAGNOSE AND TREAT CARIES

ENHANCE CLINICAL EXAMINATION CAPABILITIES

Take the guesswork out of caries detection
Autofluorescence improves your vision during clinical examination and expands your diagnostic capabilities. Highlight caries and provide the most appropriate treatment for your patients.

Early detection of lesion for less invasive treatment
Manage your clinical decisions depending on the individual’s caries risk and preserve tooth structure.

Protect your patient from any unnecessary radiation
The fluorescence concept surpasses the limitations of digital radiology in the detection of caries. Promote better patient care by reducing the number of necessary X-rays.

Save time
Speed up the decision-making process by improving your diagnostic capabilities and optimizing your clinical examination.

PERFORM LESS INVASIVE TREATMENT

Eliminate uncertainty
Easily distinguish between healthy and infected tissue to determine the limits of excavation, and consequently preserve the pulp. Fluorescence makes treatment easier, improving efficiency and productivity.

Improve the quality of your treatment
Preserve healthy teeth while removing all infected tissue.
REVEAL PLAQUE AND GINGIVAL INFLAMMATION

INSTANTANEously HIGHLIGHT PLAQUE AND GINGIVAL INFLAMMATION

Perform a complete and rapid assessment of the patient's oral health, without adding plaque disclosing solution.

- Gingival inflammation: from hues of pink to deep magenta depending on the severity
- Plaque: grainy white
- Calculus: shades of yellow and orange

PREVENT HYGIENE PATHOLOGIES

Early identification of hygiene pathologies will result in early intervention and minimally invasive treatment.

Maintain the patient's health and the longevity of their natural dentition.

UNIQUE PROPHYLAXIS TREATMENT WITH FLUORESCENCE

Fluorescence brings better vision for a faster and more efficient treatment.


CONTROL HYGIENE EVOLUTION

Encourage your patient by showing them their progress over time, for long term quality treatment.

PREVENT HYGIENE PATHOLOGIES

Early identification of hygiene pathologies will result in early intervention and minimally invasive treatment.

Maintain the patient’s health and the longevity of their natural dentition.

UNIQUE PROPHYLAXIS TREATMENT WITH FLUORESCENCE

Fluorescence brings better vision for a faster and more efficient treatment.
ACTEON intraoral cameras exceed the limitations of the naked eye and offer high quality images with magnification of up to 115 times. With MACROVISION, the infinitely small is now visible.

THIS IS MACROVISION

Enhance your vision during examination
See details otherwise not visible to the naked eye. Closely monitor micro fractures and the development of small lesions.

Improve your clinical performance
Take a more detailed look into dental cavity preparation and be more accurate during treatment.

Improve patient communication
Highlight pathologies in an image and easily explain clinical procedures. Facilitate dialogue to address objections and patient concerns.

Increase treatment acceptance
Patients become more involved, meaning they soon understand the importance of their planned treatment. Improve efficiency and productivity!

Educate your patient
Use real images to make the patient more attentive and confident about your advice.

Follow up
Provide effective and efficient treatment planning by saving the images directly into the patient chart. Easily compare images from past patient visits and monitor progress.

SoproCARE
SoproLIFE
Sopro 717 First

SoproCARE
SoproLIFE
Sopro 617
The power of autofluorescence

- **DIAGNOSTIC mode**: identify the development of occlusal and proximal carious lesions.
- **TREATMENT mode**: perform minimally invasive treatment by preserving healthy tissue.
- **DAYLIGHT mode**: from portrait to macrovision, obtain sharp images with the large depth of field.

SoproLIFE® offers two different types of vision: white light (daylight) and blue light (fluorescence).

**3 needs, 3 modes**

- **CARIO mode**: caries are detected as red, surrounding tissue is displayed in black and white.
- **PERIO mode**: highlight plaque, calculus, and gingival inflammation.
- **DAYLIGHT mode**: communicate more effectively with your patient and see details that are not visible with the naked eye.

SoproCARE® is an unmatchable communication tool in the dental practice!
MACROVISION
REVEALS WHAT WAS ONCE INVISIBLE

Magnification of the image up to 115 times
- Large depth of field from extraoral to macrovision
- Exceptional image quality provided by a highly sophisticated optical system
- Extremely small camera head for easier access
- Successfully capture images with a simple glide over the SOPRO® touch or foot control

COMMUNICATE WITH YOUR PATIENTS:
USE AN IMAGE, THE KEY TO EDUCATION AND CASE ACCEPTANCE

Simplicity in the palm of your hand
- Rounded shape and thin distal part for maximum accessibility and unrivaled patient comfort
- 105° angle of view for better exploration of distal areas
- Fixed focus with large depth of field, providing high quality images
- Ease of use: point and shoot

SOPRO® touch
Infiltrated incisal groove
Infiltrated occlusal groove
Intraoral
One tooth
**TECHNICAL SPECIFICATIONS**

<table>
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<th>Feature</th>
<th>SoproCARE</th>
<th>SoproLIFE</th>
<th>SOPRO® 717</th>
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<tbody>
<tr>
<td>Highlight dental plaque</td>
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<td>✔</td>
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<tr>
<td>Highlight gingival inflammation</td>
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<tr>
<td>Reveal caries</td>
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<td>Macrovision</td>
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<tr>
<td>Intraoral image</td>
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</table>

The medical devices for dental care SoproCARE®, SoproLIFE®, SOPRO® 717, SOPRO® 817 First are of class IIa and manufactured by SOPRO®, notified body LNE/GMED. NEWTRON® and EXCAVUS® are of class IIa and manufactured by SATELEC®, notified body LNE/GMED. EXPASYL™ is of class I and manufactured by PIERRE ROLAND®, notified body LNE/GMED. These medical devices are not refunded by health insurance organizations. Read carefully the instructions on the labelling before use.

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“All other trademarks cited herein are the property of their respective owners.”
**SoproCare**
- High sensitivity ........................................ 1/4" CCD
- Resolution ........................................ (752x582) PAL; (768x494) NTSC
- Lighting ................................................. 7 LED (4 white; 3 blue)
- Focus adjustment .................................. 4 pre-set positions
  (Extraoral, Intraoral, LIFE, Macro)
- Freeze Frame .......................... SOPRO Touch or pedal (option)
- Angle of view ........................................ 70°
- Dimensions (mm) .......................... L. 200 x W. 30 x H. 24
- Weight ......................................................... 78 g

**SoproLIFE**
- High sensitivity ........................................ 1/4" CCD
- Resolution ........................................ (752x582) PAL; (768x494) NTSC
- Lighting ................................................. 7 LED (4 white; 3 blue)
- Focus adjustment .................................. 4 pre-set positions
  (Extraoral, Intraoral, LIFE, Macro)
- Freeze Frame .......................... SOPRO Touch or pedal (option)
- Angle of view ........................................ 70°
- Dimensions (mm) .......................... L. 200 x W. 30 x H. 24
- Weight ......................................................... 78 g

**Sopro 717 First**
- High sensitivity ........................................ 1/4" CCD
- Resolution ........................................ (752x582) PAL; (768x494) NTSC
- Definition .............................................. 470 lines
- Sensitivity .............................................. 2 lux
- Lighting .................................................. 8 LED
- Focus adjustment .................................. 3 pre-set positions
  (Extraoral, Intraoral, LIFE, Macro)
- Freeze Frame .......................... SOPRO Touch or pedal (option)
- Angle of view ........................................ 70°
- Dimensions (mm) .......................... L. 200 x W. 28 x H. 24
- Weight ......................................................... 75 g

**Sopro 617**
- High sensitivity ........................................ 1/4" CCD
- Resolution ........................................ (752x582) PAL; (768x494) NTSC
- Definition .............................................. 470 lines
- Sensitivity .............................................. 2 lux
- Lighting .................................................. 8 LED
- Focus adjustment .............................. fixed focus
- Freeze Frame .......................... SOPRO Touch or pedal (option)
- Angle of view ........................................ 80°
- Dimensions (mm) .......................... L. 205 x W. 28 x H. 24
- Weight ......................................................... 55 g

**Dock MU-Video**
- Storage of one or four images
- Power supply: 24V ~ ; 50Hz - 60Hz
- Power consumption: 10VA
- One PAL or NTSC video and S-video output
- Dimensions (mm): L. 100 x W. 72 x H. 36
- Weight: 190g
- Cable length: configurable

**Dock MU-USB2**
- Storage of one or four images
- Power supply: 24V ~ ; 50Hz - 60Hz
- Power consumption: 10VA
- One PAL or NTSC video and S-video output
- Dimensions (mm): L. 100 x W. 72 x H. 36
- Weight: 190g
- Cable length: configurable

**Dock U-USB2**
- Power supply: 24V ~ ; 50Hz - 60Hz
- One digital USB 2.0 output
- Dimensions (mm): L. 50 x W. 75 x H. 36
- Weight: 76g
- Cable length: configurable

**Windows® minimum configuration required**
- Operating system .................. Windows 7 SP1
- Processor ............................. Core2duo - 3GHz
- RAM ......................................................... 2GB
- Hard disk ........................................... 250GB
- USB ports ....................................... 4 USB2 Hi-Speed ports
- Graphic card ............................... 512 MB RAM
- Screen resolution .................... 1280 x 1024

**Windows® recommended configuration**
- Operating system .................. Windows 10
- Processor ............................. Intel Core i5
- RAM ......................................................... 4GB
- Hard disk ....................................... 1TB
- USB ports ....................................... 4 USB2 Hi-Speed ports
- Graphic card ............................... Chipset Nvidia®
- Screen resolution ......... 1280 x 1024 or more

**Mac® minimum configuration required**
- Computer ................. MacBook® Pro 13.3" or iMac® 21.5"
- Operating system ........... OS X Mavericks
- Processor ............................. Intel® Core 2
- RAM ......................................................... 2GB

**Mac® recommended configuration**
- Computer ................. MacBook® Pro 13.3" or iMac® 21.5"
- Operating system ........... Mac OS X El Capitan
- Processor ............................. Intel Core i7
- RAM ......................................................... 4GB