

*image maker*



## SOPRO 717

The camera that sets  
*more* than just the tone



**SoproShade**  
*concept*



# SOPRO 717

## Advanced design and technology

*Peerless design*



Another major advantage the Sopro 717 has over other intra-oral cameras is that the distal area of the camera is the narrowest in the industry providing the user easy access to all areas of the oral cavity.

*Unmatched image quality*

Developed around a 1/4" CCD and high quality electronics, this highly sophisticated optical unit provides unsurpassed image quality.



*From macro to infinite*



No matter which position is selected (macro 1-5mm, intra-oral 5-30mm or extra-oral 30mm to infinite) the user is provided clear images instantaneously via the large depth of field which the Sopro 717 offers.

Images are optimized under all circumstances due to a lighting system which incorporates 8 new generation LED's which are 1/3 the size and 50% brighter than conventional LED's.

*Optimized lighting*

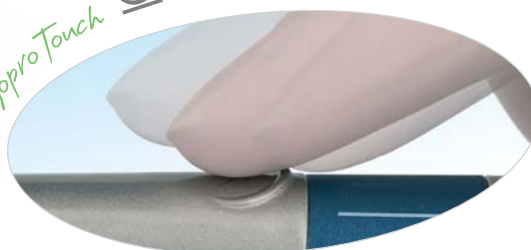


*Integration in dental unit*



The Dock MU-USB2 allows the integration of the Sopro 717 in dental units.

*SoproTouch* 



Just press on the SoproTouch  located on the hand piece to freeze the selected image on your screen.





## When Image meets Colour

SOPRO, world leader in dental imagery has placed its know-how at your service and is offering the SoproShade Concept. By combining a shade selection function with the Sopro 717 intra-oral camera, we can offer you a unique product allowing you to use your camera as a shade selection tool assisting you to make the proper colour choice.

### 3 keys factors to select the shade

#### 1 *The ambient lighting*

The incident light must be neither too weak nor too bright (no light = no colour; too much light = erasure of the colours) but it must contain all the visible waves so that the tooth can correctly reflect a part of the spectrum.

#### 2 *The dentist*

His own perception, his visual fatigue, his experience must be taken into consideration.

#### 3 *The consulting cabinet and the patient*

The colours of the surrounding walls but also the interfering bright colours of a scarf, a lipstick and even the appearance and state of teeth and gums are factors influencing the shade selection.

### SoproShade assets



#### *The eye of the camera*

The camera has greater resolving power than the eye in terms of hue. It can more easily show up any small differences in colours thus facilitating the elimination process during the shade selection.

#### *Optimized lighting*

The tip is clipped on the camera head and allows you a quicker shade selection. This tip includes a waveguide which seals you off the surroundings and ensure you an even light and a steady environment.



#### *The dentist remaining at the heart of the system*

The SoproShade concept does not replace your know-how. You are still the star of the show! You keep the same tools and the same procedure - SoproShade is only here to help you make your choice more reliable.

#### *Communication*

The Sopro 717 is your main communication tool with your patient. He can follow the various stages and see the reasons behind your selection. You will be able to discuss with him while his tooth and the selected shade are displayed on the screen. He is involved in the choice and confirms your selection.

The SoproShade concept is also an excellent tool for communication with your dental laboratory as it allows you to send the result of your selection directly on its computer.



# SOPRO 717

## A tip for each tooth

There are as many hues as shapes for the teeth ! This is why we developed the SoproShade tips and focused on their ergonomics. So that they'll fit in each case.

The SoproShade box includes a tip for the upper incisors, one for the lower ones, a tip for the mandibular and maxillary canines and a universal one for the molars, broken teeth or any other areas difficult to reach. Their coloured ring makes them easily recognizable.

*At least a complete and friendly-use working tool!*



With a single click, you can transform your intra-oral camera into a tool which helps you make your selection.



### Tip for the upper incisors

Recognizable by its orange ring, it is recommended for the shade selection of the maxillary, central and lateral incisors.



### Tip for the lower incisors

Recognizable by its yellow ring, it is recommended for the shade selection of the mandibular, central and lateral incisors.



### Universal tip

Recognizable by its grey ring, it is recommended for the shade selection of the molars, broken teeth or any other areas difficult to reach.



### Tip for the canines

Recognizable by its white ring, it is recommended for the shade selection of the mandibular and maxillary canines.

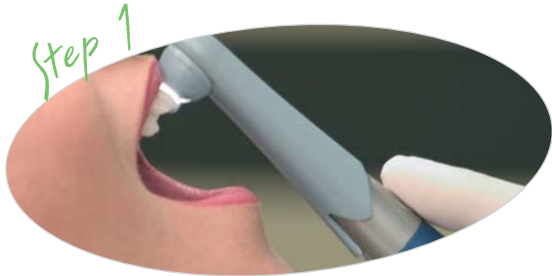






# SoproShade

concept


## A 4 steps function




Place the camera in **SoproShade**  position and put the tip of the camera against the tooth.

Once you are satisfied with the image shown on the screen, just press gently on the **SoproTouch**  to freeze it.



Place the camera in the **SoproShade**  position and put the tip of the camera on the samples whilst sticking to the colour chart manufacturer's recommended procedure. The comparison needs to be done on the central region of the colour chart's sample 1/3 of the way up the middle of the tooth.

Once the obtained result is as close as possible to the tooth's natural colour, press again gently on the **SoproTouch**  to freeze this image.



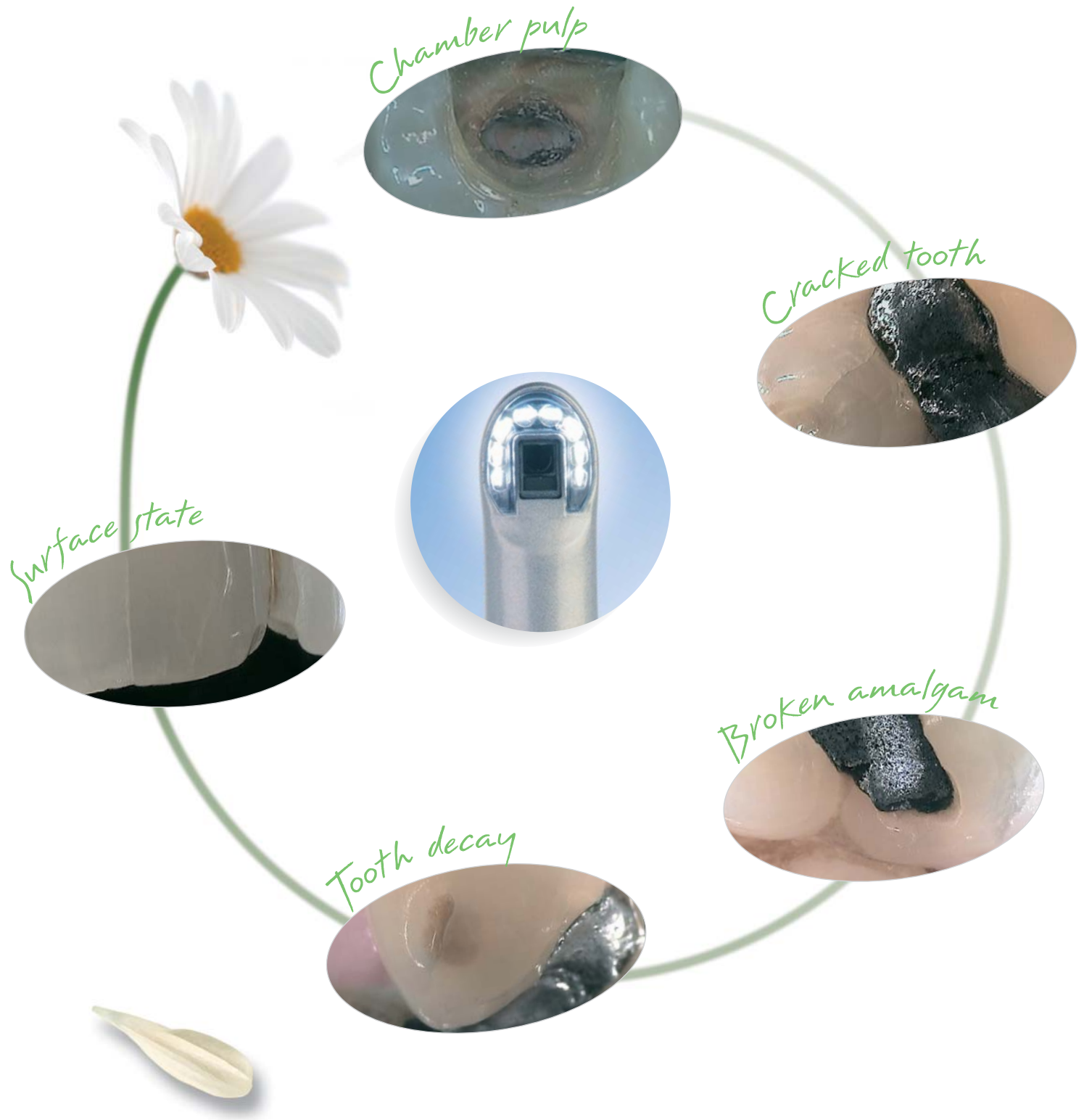
# SOPRO 717

## Endovision

We are all aware of the limits of the human eyes as far as enlargement and perception of the tiniest details are concerned. In dentistry, numerous daily acts oblige you to use magnification glasses or a microscope together with a mirror to visualize the smallest areas to treat. The SOPRO 717 allows you going beyond the human vision while casting off bulky accessories.

Its Macro position grants you a sharp image and a comfortable working environment.

With a click, the infinitesimal is within a reach!



# SOPRO 717

## A Dentist's point of view «This camera is striking!»



*Doctor, how long have you been using an intra-oral camera and why?*

«I use it for nearly 12 years now and I'm really fond of this product. My patients are surprised at first use but once they got used to it, they admit they are pleased with this new communication tool. They feel they are more aware of the treatments needed and ready to accept them. It's also a kind of «toy» for children and it helps me emphasize on their bucco-dental hygiene.»

«**My patients are more aware  
of my job**»

*What's different with the Sopro 717?*

«When I purchased it, I asked for the version to integrate into my dental unit to use it as easily as the other instruments. This camera strikes me! Its focussing capability enables me to see details invisible to the naked eye! And the image is captured by a simple finger pressure, no more pedals! That's great!»

«**It sets forward details invisible  
with naked eye**»

*What about the Soproshade concept?*

«I first thought «one more sophisticated and complex shade selection tool». But when I was demonstrated, I thought «Gorgeous!» Many times I hesitated between two shades and I was not sure of my choice. Or I had to ask my prosthesis lab to do it again... With this new concept, there is no more hesitation. My patients share in the selection and I can mail the information to my prosthesis lab.»

«**More confident  
with my shade selection**»





Generator



System



Software




Camera

# SOPRO 717

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## Specifications

### SOPRO 717

- 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, Intra-oral, Macro).
- 2 **SoproShade** positions.
- Non-inverted image.
- Freeze Frame with **SoproTouch**  or pedal (option).
- Angle of view: 70°.
- Cable length: 2,5m .
- Size of the handpiece:  
L.200 mm x l.28 mm x H.24mm.
- Size of the distal part: l.13mm x H. 8mm
- Weight: 75g.

### DOCK M-USB2

- Storage of one or four images.
- Power supply: 115V-60Hz & 230V-50Hz.
- Power consumption: 9VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- One digital USB2 output.
- Size of the dock:  
L.145mm x l. 130mm x H. 35mm.
- Weight of the dock: 245g.

### DOCK MU-USB2

- Storage of one or four images.
- Power supply: 24V-; 50Hz-60Hz.
- Power consumption: 16VA.
- One PAL or NTSC video output.
- One PAL or NTSC S-video output.
- One digital USB2 output.
- Size of the dock:  
L.100mm x l. 72mm x H. 36mm.
- Weight of the dock: 180g.

