

KaVo. Dental Excellence.

# A whole new perspective on caries

- Significantly improved diagnosis quality in unsurpassed image quality
- Ideal for patient information outstanding monitoring
- Simple operation easily integratable

# KaVo DIAGNOcam – completely revealing.

With your KaVo DIAGNOcam you will get images that give you additional insight – immediately, without X-ray radiation, for even greater diagnostic reliability.

KaVo DIAGNOcam uses the structures of the tooth as light conductors. Simultaneously, a digital video camera, captures the context.

#### Proxi

So much becomes visible

be detected (up to a certain filling size).

for the first time.

Optimum diagnosis –

KaVo DIAGNOcam images give you even more certainty in diagnosis,

thanks to their revolutionary image quality. With your KaVo

DIAGNOcam you can tooth structures such as carious lesions or

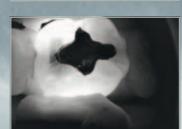
cracks that are virtually impossible to view with other diagnostic

With the KaVo DIAGNOcam it is above all much easier to identify

proximal and occlusal caries. Furthermore, secondary caries can also

thanks to top quality images.





# Occlusal caries Secondary caries

#### X-ray quality without radiation

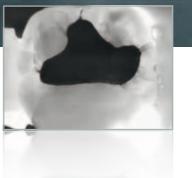
How is it possible to create such images without X-rays? The key phrase is DIFOTI technology\*. KaVo DIAGNOcam delivers images, which are reminiscent of X-rays but which are completely radiation free – by means of a light that is especially adapted to this examination method.

The tooth structures allow the passage of light from the entry site to the camera. Areas that block light transmission (e.g. carious lesions) show up clearly as well delimited, dark areas. A digital videocamera captures the actual situation and makes it visible in real-time on the screen.

#### Comprehensive caries detection on all tooth surfaces

Diagnostic competence	DIFOTI technology* (DIAGNOcam)
Occlusal caries	<b>✓</b>
Proximal caries	<b>✓</b>
Smooth-surface caries	<b>✓</b>
Secondary caries	/
Cracks	
Dental cleaning essential	no

\* Digital Imaging Fiberoptic Transillumination





## Patient information - made easy.

#### The subtle difference

Diagnoses by X-ray and KaVo DIAGNOcam are two of a kind – they complement each other perfectly. With your KaVo DIAGNOcam you can conveniently verify and supplement your X-ray diagnosis. KaVo DIAGNOcam shows you the coronal tooth structures above the gingiva in detail. This enables early detection of caries, as well as prophylactic, or minimally-invasive and pain-free treatment. Your patients will be delighted!



You can demonstrate to your patients how just pleasant X-ray-free diagnosis with KaVo DIAGNOcam is. This particularly convinces pregnant women and parents of young children.



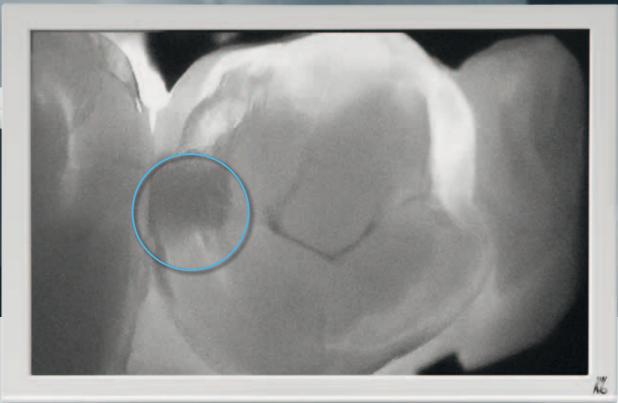
Convincing images for your patients, ight from the outset.

## Informed, satisfied patients will visit your practice more readily.

One of the invaluable advantages of your KaVo DIAGNOcam is the clarity of the images. You may show the images immediately to your patients on the screen and use them to explain your proposed treatment plan. Of course you can also save and print out the images and use them for regular checks in long-term monitoring. The supplied software provides perfect support.

#### The future is X-ray free.

Even though X-ray diagnosis is important, some patients are concerned – particularly when performing diagnosis on children or pregnant women. KaVo DIAGNOcam is an extremely operator-friendly diagnostic device that operates completely without X-ray radiation. Use it with all your patients, as often as you want.



Carious lesion is clearly visible, as a darker-coloured area.

# Diagnostic process – simple and convenient.

#### Pure comfort.

The suprisingly simple operation of KaVo DIAGNOcam will win you over almost at once. And with KaVo DIAGNOcam you save time and can perform diagnoses directly on your treatment unit. Prolonged familiarization period? Not any more. Complicated handling? No longer. Simply place the tip over a tooth and take your stills or videos. It's really that simple.

# Simply integrated into the practice routine.

KaVo DIAGNOcam fits seamlessly in your personal practice routine. And best of all, with its special application software with VDDS interface it can communicate directly with other practice software. KaVo DIAGNOcam can be used at any time. Even without performing previous dental cleaning.

#### Highlights and advantages:

# Significantly improved diagnosis quality – in unsurpassed image quality

- X-ray-free imaging method for caries identification
- Supragingival diagnosis of occlusal, proximal and secondary caries
- Identification of cracks
- Early caries identification that is not possible with other diagnostic aids
- No proximal overlapping as with X-rays second plane for reliable diagnosis visualisable

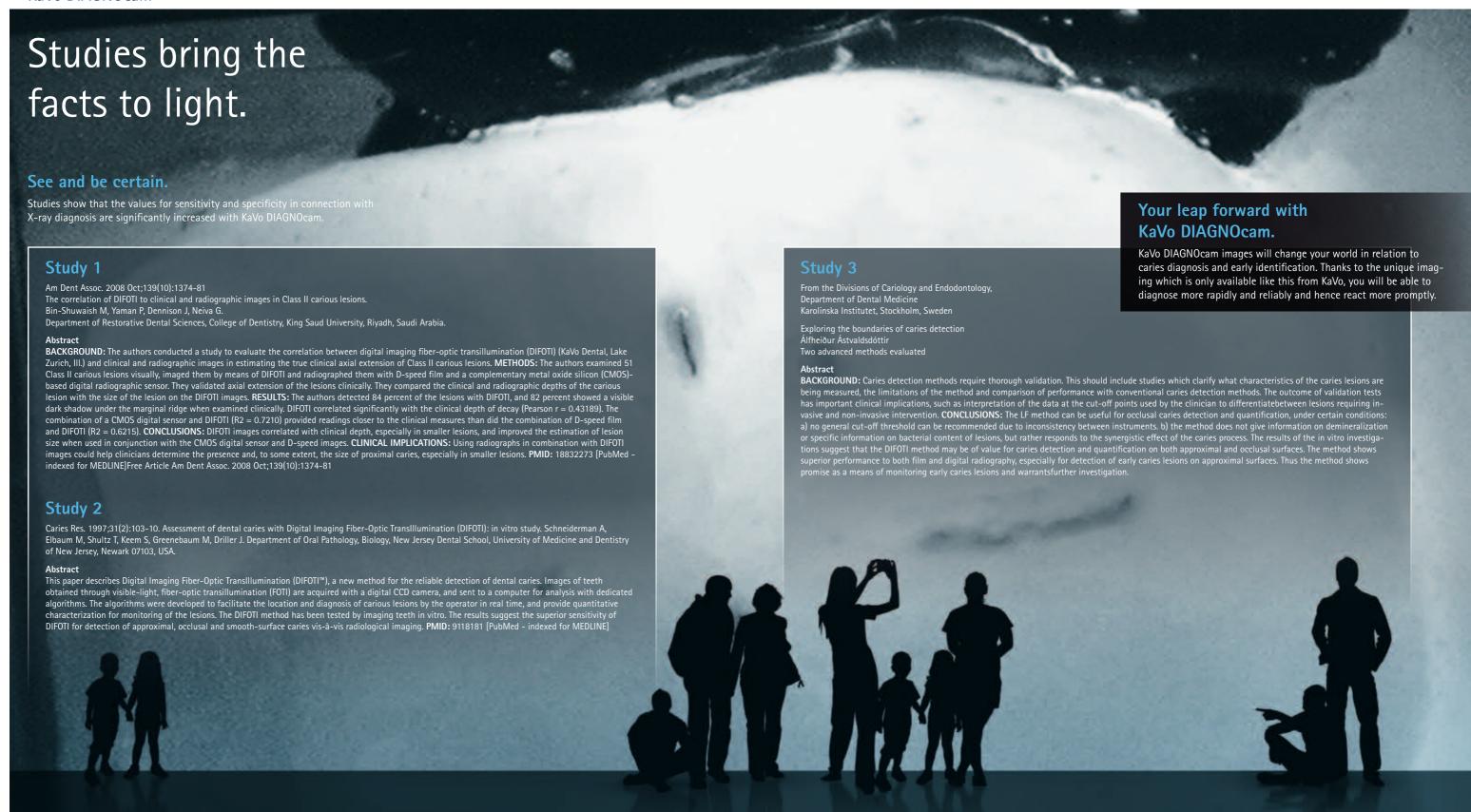
## Ideal for patient information and outstanding monitoring

- Images can be displayed on screen in real-time
- Current images can be compared with older ones
- Images and video sequences can be assigned to each individual tooth and edited

#### Simple operation - easily integratable

- KaVo DIAGNOcam can be used at any tim
- No preliminary dental cleaning required
- VDDS-Integration with your practice software





Current

# **Technical Specifications**

Supply voltage 5 V Cable length 2.5 m Weight 190 q approx. 245 mm Length Diameter: 30 mm Lighting laser diode Wavelength 780 nm Opt. power 15 mW Opt. power as per DIN EN 60825-1 after the occlusal tips

max. 0.5 A

#### The system requirements are as follows:

PC with min. 1 GHz processor

min. 32 bit operating system

USB-2 connection

256 MB RAM for single-user station or workstation

512 MB RAM for SQL database server

50 MB free hard disk space on system drive

Depending on data volume 5 to 50 GB hard disk memory on data drive (can coincide with system drive)

Min. screen resolution 1024 x 768, min. colour depth 24 bits

Operating system: Microsoft Windows XP from service pack 3

#### Ordering options material number

#### Option 1

DIAGNOcam single place option without VDDS software 1.001.9000

Option 2

DIAGNOcam single place option 1.001.9000 VDDS software 1.009.6960

Option 3

DIAGNOcam 1.001.9000 Installation CD multiplace option 1.009.6958

Option 4

**DIAGNO**cam 1.001.9000 Installation CD multiplace option 1.009.6958 1.009.6960 VDDS software

Accessories (included in the scope of delivery)

1.005.1300 Tip small 1.005.1360 DIAGNOcam holder 1.005.1380 USB extension cable 1.005.1076





