

# VistaCam iX – brilliant images and excellent caries diagnostics

Top-quality intraoral and fluorescent images



COMPRESSED AIR  
SUCTION  
IMAGING  
DENTAL CARE  
HYGIENE



reddot design award  
winner 2011



# VistaCam iX – one camera, numerous possibilities

Communication with patients, caries diagnostics, and documentation – all in one.

Camera systems from Dürr Dental provide valuable support for dental treatment and help the patient to understand why the treatment is necessary. VistaCam iX sets new standards here.

## The advantages of the new VistaCam iX

The VistaCam product range enables optimum communication with patients and provides great support for diagnosis. Dürr Dental has brought together successful, tried-and-tested technologies to create the VistaCam iX. The intraoral camera meets the highest requirements for fully digital transmission with its depth of field and image quality. In addition, the VistaCam iX provides invaluable help for the early detection of tooth decay and the visualisation of plaque. The DBSWIN imaging software saves the images as photographs and provides diagnosis-supporting caries/plaque filters with software analysis. In addition, DBSWIN is compatible with all common practice management programs.

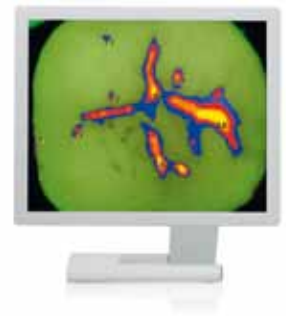
## Beautifully shaped

The VistaCam iX is not only characterised by its functions; in addition, it meets all requirements pertaining to ergonomics. The camera has already won the renowned “iF product design award 2011” and is “red dot design award winner 2011”. Moreover, it can be used in practically all types of surgery – even as a stand-alone version with no PC. Another advantage is that since it can be disconnected directly at the handpiece the VistaCam iX is an ideal multi-user solution. A motion sensor that switches the camera on and off ensures efficient use.



Images and video clips can be used flexibly in discussions with patients. This makes treatment understandable and transparent.

# Fascinatingly fluorescent – the interchangeable Proof head



The unique intraoral camera for caries diagnostics with software analysis

With the interchangeable Proof head, the VistaCam iX enables the precise localisation of carious activity and indicates the depth of the decay. The metabolic products of caries-producing bacteria are excited by the violet light of the LEDs and glow red. The intensity of the glow increases with the thickness of the bacterial colonization. Healthy enamel glows green instead.



The interchangeable Proof head makes caries and plaque visible

Easy interchangeable head principle



360 all-round capture ring

Multi-user capable

Automatic activation/deactivation

Fully digital data transmission

## This is what counts:

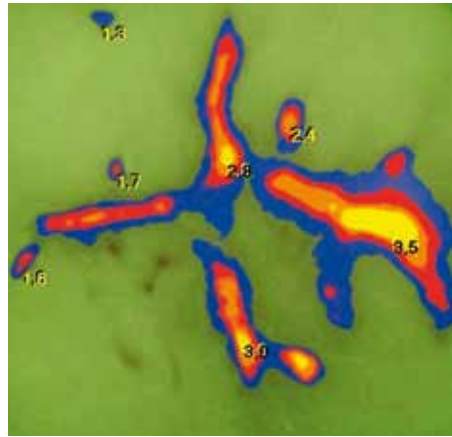
- Top-quality intraoral images
- Software analysis for the detection of caries lesions and visualisation of plaque by means of fluorescence
- Recording of video clips
- Ergonomic 360° capture ring
- Fully digital data transmission
- Freeze frame module and possibility of saving images to a USB stick (stand-alone version)



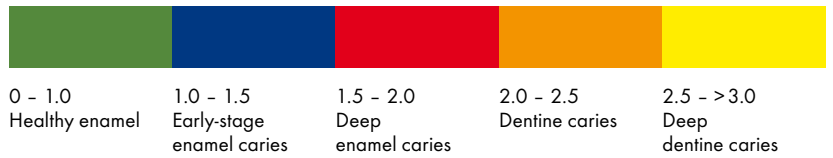
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## DBSWIN – the digital image centre

The DBSWIN imaging software enables the precise localisation and assessment of caries on the screen. The operator can quickly gain an overview of the current state of the patient's teeth. The carious activity is indicated by means of a colour scale along with a numerical rating of between 0 and >3. This significantly enhances diagnostics and consequently the decision as to what treatment is required: Observation, remineralisation, or invasive treatment.



The extent of the caries is shown on the screen using a colour scale ranging from green to yellow along with a numerical value



# Excellent images with the interchangeable Cam head



## VistaCam iX – the intraoral camera

The VistaCam iX has a 360° all-round capture ring which enables the best possible use of the Still/Live and Save functions in all possible imaging situations. Even in the molar region of the upper jaw, the VistaCam iX saves high-quality, blur-free images – because the operator moves the camera, not his or her hand. The Sensitive Control function conveniently sends confirmation signals to the handpiece.

Perfect and homogenous illumination

Interchangeable Cam head for intraoral images with excellent quality

Recording of video clips



# The technology at a glance

Technical Data	VistaCam iX PC version	VistaCam iX stand-alone version
<b>Connections</b>	USB 2.0	Base station with HDMI/DVI connection
<b>Freeze frame module</b>	Via PC/laptop	12 images/possible storage on USB stick
<b>Multi-user application</b>	Plug&Play, cable can be connected to handpiece	Base station per additional workstation
<b>Activation</b>	Handpiece (optional foot pedal)	Handpiece (optional foot pedal)
<b>Weight of handpiece (g)</b>	50 (without cable)	50 (without cable)
<b>Handpiece length (mm)</b>	190	190
<b>Power supply</b>	USB (5V)	Base station power unit (12V)
<b>Transmission path</b>	USB 2.0, via cable (2.5 m)	USB 2.0, via cable (2.5 m)
<b>Image presentation</b>	True-sided or reversed, can be set using PC/laptop	True-sided or reversed, can be set using base station

	Interchangeable Cam head	Interchangeable Proof head
<b>Resolution (pixels)</b>	470,000	470,000
<b>Depth of field (mm)</b>	30 (object distance of 5–35 mm)	Fixed object distance of 10 mm, with spacer
<b>Lighting</b>	8 LEDs (white)	4 LEDs (405 nm, violet)
<b>Optical system</b>	Glass lens, tempered	Glass lens, tempered



TFT 17" monitor



Handpiece holder



Disposable protective sheaths