More versatile than ever!

Cam

1

Macro

2

Poly

3

Proof

4

Proxi

5

This is what counts:

- Intraoral shots with excellent image quality
- Software analysis for the detection of caries lesions and visualisation of plaque by means of fluorescence
- Helps diagnose approximal caries without exposure to radiation, thanks to infrared technology
- Dürr Dental imaging software stores pictures as still images or video
- Ergonomic capture buttons

The technology at a glance

Technical Data	VistaCam iX PC version
Connections	USB 2.0
Freeze frame module	via PC/laptop
Multiuser application	Plug & Play, cable can be connected to handpiece
Activation	Handpiece (optional foot switch)
Handpiece weight	50 g (without cable)
Handpiece length	190 mm
Power supply	USB (5 V)
Transmission path	USB 2.0, via cable (2.5 m)

	Cam interchangeable head	Macro interchangeable head	Proof interchangeable head
Resolution	470,000 px	470,000 px	470,000 px
Object distance	5 – 35 mm (depth of field 30 mm)	3 mm	10 mm fixed, with spacers
Lighting	8 LEDs (white)	8 LEDs (white)	4 LEDs (405 nm, violet)
Optical system	Glass lens, tempered	Glass lens, tempered	Glass lens, tempered

	Poly interchangeable head
Light source	Power LED
Wavelength	460 nm (+ 10 nm)
Light intensity	1000 mW/cm^2
Diameter lens	10 mm Ø
Cable length	250 cm
Power unit	12 V DC at 1.0 A
Polymerisation depth	depending on type, colour and translucence of composites

	Proxi interchangeable head
Resolution	470,000 px
Object distance	7 mm fix with position holder
Lighting	2 LEDs (850 nm, infra-red)
Optical system	Glass lens, tempered

Handpiece holder on TFT monitor

Disposable protective sheath

DÜRR DENTAL
THE BEST, BY DESIGN

VistaCam iX – Brilliant images and excellent caries diagnosis

One camera, many options

COMPRESSED AIR

SUCTION

IMAGING

DENTAL CARE

HYGIENE

reddot design award winner

iF product design award

Focus Open Gold

Designpreis Deutschland NOMINIERT

GOOD DESIGN

DÜRR DENTAL
THE BEST, BY DESIGN

VistaCam iX – one camera, many options

Communication with patients, caries diagnostics, and documentation – all in one. Dürr Dental camera systems provide valuable support in dental treatment and foster patient understanding of needed treatment measures. VistaCam iX sets new standards.

Advantages of the VistaCam iX

The intraoral camera meets the highest requirements for fully digital transmission with its depth of field and image quality. The intelligent, interchangeable head mechanism provides various application options. Whether macro or intra images, VistaCam iX assists in caries diagnosis, early detection and plaque visualisation. Caries and plaque filters in the Dürr Dental Imaging Software show caries via a colour scale and numerical value. Video clips can also be recorded. The new Proxi interchangeable head enables detection of proximal caries – without exposure to radiation.

Beautifully shaped

The VistaCam iX is not only characterised by its functions; in addition, it meets all requirements pertaining to ergonomics. It has won the renowned iF product design award 2011, the Good Design Award 2012, and is the red dot design award winner 2011. Other advantages: the decoupling option on the handpiece makes the VistaCam iX the perfect multi-station solution. A motion sensor ensures efficient use, turning the camera on and off.

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

Your application options at a glance

Simple interchangeable head principle

Ergonomic capture buttons

Multi-user capable

Automatic activation/deactivation
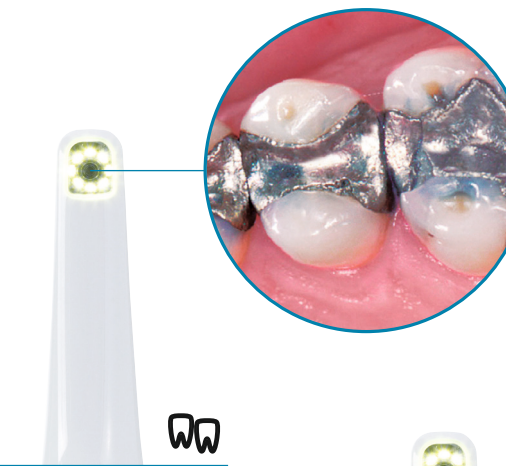
Fully digital data transmission

Actual size 1:1

reddot design award winner

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Designpreis Deutschland NOMINIERT

GOOD DESIGN

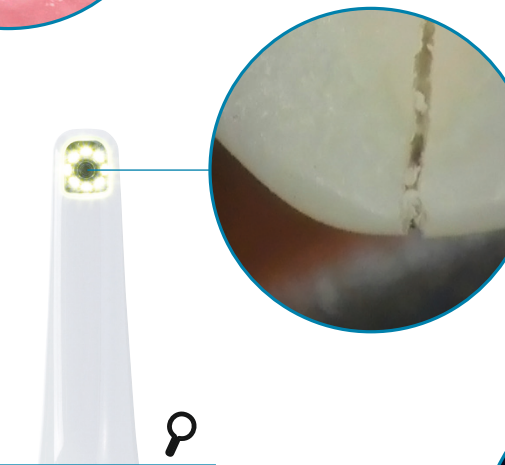**1** 'Cam' interchangeable head for high quality intraoral images
- Intraoral shots with excellent image quality
- Perfect and homogeneous illumination
- Recording of video clips

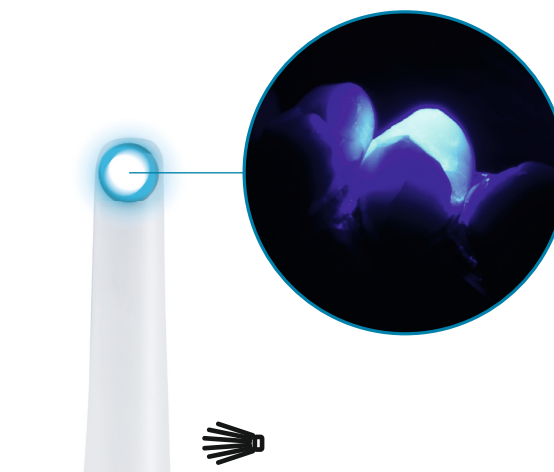**2** 'Macro' interchangeable head for highly magnified, high quality images
- 120 x magnification

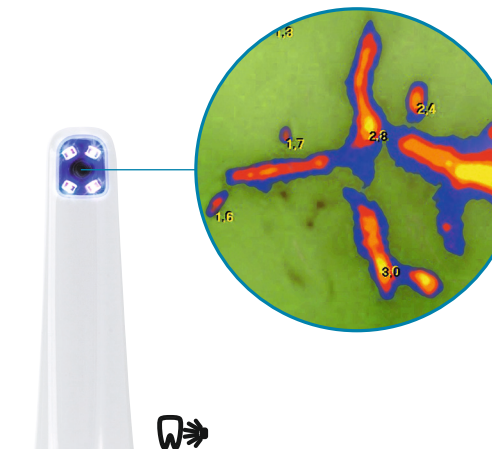**3** 'Poly' interchangeable head for light curing
- For polymerisation of all common light-cured dental materials
- With modern LED technology and soft-start function

4 The 'Proof' interchangeable head makes caries and plaque on occlusal and smooth surfaces visible
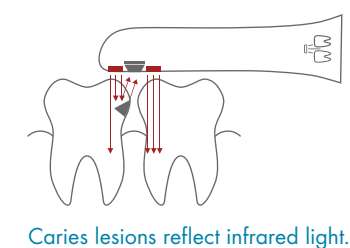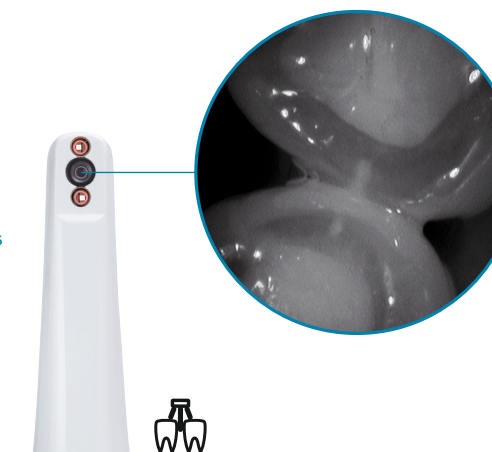- Software evaluation for detection of caries lesions and plaque shown by fluorescence
- Violet light of LEDs stimulates metabolites of caries-producing bacteria, causing them to glow red
- Healthy enamel can be identified by green fluorescence

5 'Proxi' interchangeable head for detection of proximal caries
- Diagnosis support without exposure to radiation
- Approximal caries is detected gently and early
- Infrared technology makes healthy enamel appear translucent
- Carious lesions have a light, opaque appearance

With the Proof interchangeable head, any carious lesions detected are rated on a scale and assigned a numerical value.

0 – 1,0 Healthy tooth enamel

1,0 – 1,5 Shallow enamel caries

1,5 – 2,0 Deep enamel caries

2,0 – 2,5 Dentine caries

> 2.5 Deep dentine caries

Caries lesions reflect infrared light.