VistaCam iX HD –
the innovative multi-head-camera

For perfect diagnosis support in real HD image quality

COMPRESSED AIR

SUCTION

IMAGING

DENTAL CARE

HYGIENE

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Vista Cam iX HD – real HD resolution for superior caries diagnosis
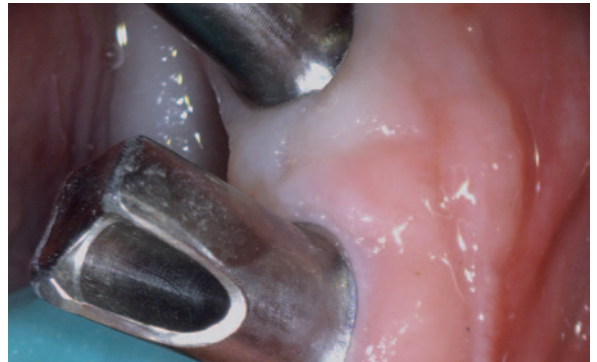

Patient communication, caries diagnosis and documentation at the highest level. Camera systems from Dürr Dental provide valuable support in dental treatment and foster patient understanding of your treatment measures. The VistaCam iX HD and its outstanding HD resolution sets new standards.

You have high demands on image quality, depth of field and ease of operation? With its unrivalled high resolution and the new autofocus, VistaCam iX HD delivers vivid and brilliant images. In combination with the intelligent interchangable head system, the camera reliably supports you: with diagnosis and early detection of caries, as well as by visualising plaque. At the same time, it makes your treatment recommendations easier for patients to understand.

☐☐☐☐ Cam

Intraoral image

Maximum image quality for demanding requirements – with real HD resolution the camera system ensures pin-sharp HD images, even on large monitors.

Thanks to the new autofocus, images are created quickly and with ease, whether intraoral, extraoral or macro images. Two LEDs ensure optimum and uniform illumination.

This is what counts:

- Brilliant HD image quality even in video mode
- Autofocus for intraoral, extraoral and macro images
- Software analysis to detect caries lesions and to visualise plaque by using the fluorescence effect (Proof interchangeable head)
- Support for diagnosing approximal caries without exposure to radiation, thanks to infrared technology (Proxi interchangeable head)

The Cam interchangeable head

Intraoral, extraoral and macro images
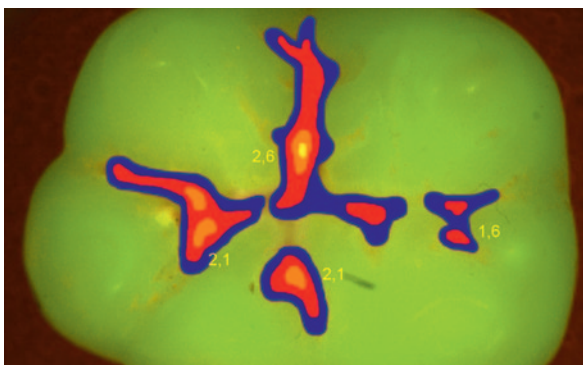in real HD quality

1 **2**

1 **2**

Macro image

Extraoral image

Proof

You will see more – the Proof interchangeable head uses software to make occlusal and surface caries, plaque on occlusal and smooth surfaces, as well as dental calculus, visible with ease.

For the analysis of carries activity, both colour and numbers are used to display the result. The violet light emitted by the LEDs stimulates the metabolic products in caries bacteria and makes them glow red. Healthy enamel, on the other hand, can be identified by green fluorescence.

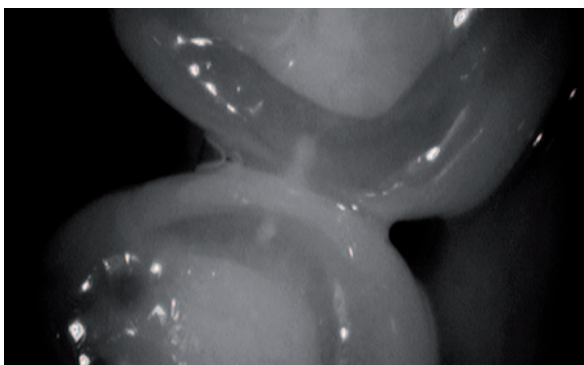This makes your diagnoses comfortable and secure.

The Proof interchangeable head

Reliably identify caries and plaque

The Proof interchangeable head displays caries findings using a colour scale supplemented by 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

Proxi

Safety for your patients – the Proxi interchangeable head reliably assists you in identifying approximal caries. Patients benefit from diagnosis without exposure to radiation.

When exposed to infrared light, caries lesions appear bright and opaque, whereas healthy enamel appears translucent. The HD resolution of the system provides optimal presentation on your screen.

Approximal caries is therefore diagnosed early and gently with the Proxi interchangeable head.

The Proxi interchangeable head
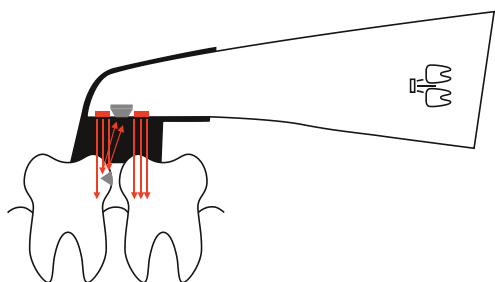
Identify approximal caries early and gently

1 Autofocus
2 Trigger

Slim, ergonomic design

Optimum work flow – high patient comfort. The outstanding design of the VistaCam iX HD and its slim, rounded head enables easy access even to rear molars. The camera offers ergonomic triggering by hand and allows for individual selection of turn-off time (movement sensor). The interchangeable heads are equipped with scratch-proof lenses for long lifetime.

Caries lesions reflect infrared light.

High-performance imaging software

Dürr Dental imaging software features an ergonomic design that enables ergonomic work flow and simple documentation that allows shots to be stored as images or videos. Caries and plaque filters show caries activity using a colour scale and a numerical evaluation – even when recording live video. With the Dürr Dental imaging app, your image data will even be available on an iPad.

Numbers, data and facts at a glance

	VistaCam iX HD
Connections	USB 2.0 (USB 3.0 compatible)
Multiuser application	Plug & Play
Activation	Via switch on hand piece (top or bottom, as desired)
Handpiece weight	70 g
Handpiece length	200 mm
Cable length	2.5 m (optional 3m extension via active holder with USB hub)
Power supply	USB (5V)
Sensor	High performance CMOS sensor
Driver	Uses standard Windows drivers, NO additional drivers needed
Resolution	1280 pixel (H) x 1024 pixel (V)
Lighting	2 LEDs, Proof (405 nm, violet), Proxi (850 nm, infrared)
Optical system	Several lenses and protective glass

Handpiece holder on monitor

Disposable protective sheath

Active holder with USB hub

P00710002002/LOD-ST/2.5/01/F02 Subject to technical changes

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