

Intra oral pictures the digital way

INTRAORAL CAMERA SYSTEM VISTACAM DIGITAL

Fully

digital

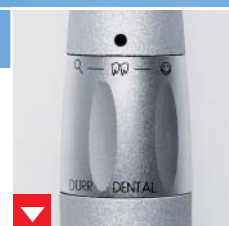
Direct to screen along the digital highway with no detours: VistaCam Digital



VistaCam Digital is the first fully digital intra oral camera to produce direct live pictures in your PC or laptop using USB 2.0 without an additional base station.



Bright true colors with life like display enable precise intra oral diagnosis to be made.



Dürr Iris Focus Control (IFC) – VistaCam Digital's highly advanced optics for extra and intra oral pictures as well as macro images.

VISTACAM

**DÜRR
DENTAL**

Powerful pictures direct to screen

DIGITAL PICTURE QUALITY – EFFICIENT PICTURE COMMUNICATION

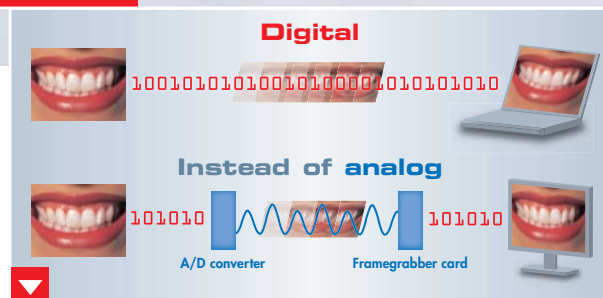


Direct to screen picture transmission on your laptop or PC with USB 2.0

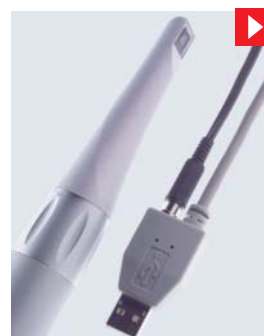
VistaCam Digital – the fully digital alternative for all application areas

As of now picture communication in the practice has been greatly simplified: costly and expensive boxes, base stations and additional PC cards, are no longer required. Now, thanks to the new Dürer VistaCam Digital, digital video pictures can be transmitted digitally with no loss of picture quality and provides brilliant results:

- ▶ Precise, noise-free pictures on the monitor of the tiniest structures, no loss of picture quality during transmission.
- ▶ The highly advanced Dürer IFC optics delivers pixel-free displays of intra and extraoral dental situations – almost distortion-free at up to 100 x enlargement
- ▶ LED illumination in the camera tip and a light-sensitive CCD ensure bright and true color displays down to the molars
- ▶ Plug & Play using USB 2.0 – Installation in your PC or laptop is simple and economical (medical product approval not required). There is also no need for a base station or frame grabber card.



VistaCam Digital transmits pictures directly to your laptop or PC in fully digital picture quality without any interconnecting boxes.



The USB plug provides the VistaCam Digital with a separate and direct power supply in accordance with MPG.

VistaCam fully digital

The new Dürr VistaCam Digital reflects the impressive progress made by Dürr Dental in the field of diagnostic dentistry. For the first time the precise pictures taken by the highly advanced Dürr IFC optics and the life like display of the light-sensitive VistaCam CCD are transmitted digitally directly to your PC with no loss of picture quality. The result: completely noise-free displays on the monitor of the tiniest tooth and tissue structures that could otherwise be seen only under the microscope.

VistaCam – the versatile tool for winning and retaining patients

The VistaCam Digital incorporates new technology which delivers even more brilliant picture quality and expands the range of applications from diagnosis at the treatment chair and communication with the patient through software-supported screen diagnosis and documentation down

to therapy support, for example in endodontics and surgery. The display of pin-sharp pictures right down to the root canal underlines this potential with preparations in the close-up area and identification of detail via the monitor down to 12 µm.

Modern, simple, economical

The cable-operated camera has a USB plug with an additional power supply that connects the handpiece directly to the individual practice PC workstations or, of course, to a mobile laptop. The separate power supply does not require PCs conforming to MPG* guidelines. Integration into workstations will thus present no problems nor consequently will upgrading of existing treatment units in accordance with MPG*.

**MPG – German medical law governing medical products*

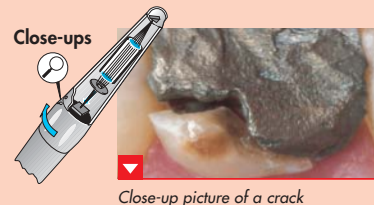
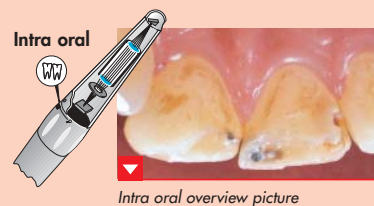
Dürr Iris Focus Control (IFC) – the highly advanced optics for extra and intraoral as well as close-up pictures

- ▶ A quick twist simultaneously changes the iris and the focus, saving time and avoiding setting errors
- ▶ Combination of iris opening and lens focusing, geared to actual practice use, ensuring optimum sharpness at all times together with optimum picture brightness
- ▶ High depth of field, avoiding need to refocus in the mouth for maximum time-saving
- ▶ 3 ranges of sharpness – 1 lens (no need to change lenses)
- ▶ Automatic iris control for close-ups prevents overexposures
- ▶ Close-ups at 100x enlargement enable D1 lesions, cracking at the edges or cracks in the enamel to be detected
- ▶ High resolution for excellent recognition of detail down to 12 µm structure size



▶ Adjusting ring made of metal allows precise setting

Great flexibility with just a quick twist



Digital technology for brilliant picture quality

INTRAORAL CAMERA SYSTEM VISTACAM DIGITAL

Technical details	VistaCam Digital
Resolution	470,000 pixels
Intraoral depth of field	24 mm for structures up to 60 µm
Weight	200 g
Length of handpiece	207 mm
Diameter	max. 27 mm
Power supply	via additional cable to USB plug, power supply conforms to MPG*
Transmission	3 m (+ optional 1,8 m) digital via USB 2.0 cable
Connections	USB 2.0
Multiple-user operation	Plug & Play, can be plugged in and unplugged
Optical system	6 LEDs with light-collecting lens, highly advanced optics, light-sensitive 1/4" color CCD sensor, non-fogging
Software	Dürr DBSWIN or other software with integrated video module
Picture storage	in PC/laptop
Picture display	correct reading or mirrored via PC/laptop
System solution	optimum PC/laptop solution; simple integration into existing treatment units

*MPG – German medical law governing medical products

The Dürr VistaCam concept provides practice-oriented solutions enabling a suitable variant to be selected to match individual needs.

	Resolution (pixels)	IFC optics with close-up function	Fully digital picture transmission	Wireless camera (handpiece)	Video solution	PC solution	Multiple-user capability	Multiple-user capability without extra costs
VistaCam Digital	470,000	✓	✓	–	–	✓	✓	✓
VistaCam CL	470,000	✓	–	✓	✓	✓	✓	–
VistaCam Freeze	470,000	✓	–	–	✓	–	✓	–
VistaCam Easy	320,000	–	–	–	✓	✓	✓	–

VistaCam – the versatile tool for winning and retaining patients:



Diagnosis



Treatment



Communication



Documentation

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