



The Processor People

VISTACAM



VistaCam Digital is the first fully digital intraoral camera that can create a live image without an additional base station. Image communication in the surgery has now been considerably simplified, as of now, it is possible to transfer digital video images from the new **VistaCam Digital** at your fingertips without loss of detail.

The results are simply brilliant:

Thanks to the highly advanced IFC optics the images are almost distortion-free at up to 100x enlargement. Boxes, units, foot pedals or additional PC cards, which are costly and time-consuming in installation, are now no longer needed.

Bright and true colour displays down to the molars through LED illumination at the camera tip and a light-sensitive CCD chip Plug & Play using USB 2.0 – simple and economical installation in the PC or laptop (medical product approval not required), without base station or frame grabber card. At the same time, the new integrated actuation by hand now replaces the additional foot pedal



VistaCam CL wireless version



The functions Still/Live and Save are actuated with a round sensor on the hand piece.



Image processing and archiving software DBSWIN 4



The new 360° actuation by hand offers optimum ergonomic control in all scanning situations.



Versatile tool for winning and retaining patients

The VistaCam Digital incorporates new technology and expands the range of applications from diagnosis at the treatment chair and communication with the patient through to software-supported screen diagnosis and documentation for therapy support, for example in endodontics and surgery. The display of pin-sharp images 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.



The power supply of the VistaCam Digital is ensured with a separate and direct power supply at the USB plug.



Iris Focus Control (IFC) the perfect optic for extraoral and intraoral images as well as macro images.



Iris Focus Control (IFC) – the highly advanced optic for extraoral and intraoral images as well as macro images.

- 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 together with optimum image brightness at all times
- 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 detecting of D1 lesions, cracking at the edges, cracks in the enamel
- High resolution for excellent recognition of detail down to 12 µm structure size

Economical integration in the surgery

The cable-operated camera has a USB plug with an additional power supply. 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.

			
Adjustable metal ring enables a precise setting.	Extraora Front teeth area after treatment	Intraoral Intra oral overview image	Close-up Close-up of a root canal

Technical data VistaCam Digital	
Resolution	470.000 pixels
Weight	200 g
Intraoral depth of field	24 mm, for structures down to 60 µm
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 2 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
Image storage	Sensor integrated in the hand piece with the functions Still/Live, Save
Image display	correct reading or mirrored via PC/laptop
System solution	optimum PC/laptop solution; simple integration into existing treatment units



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