

VistaRay 7 sensors

the quick and easy way to get excellent X-ray images



reddot design award
winner

 **DÜRR
DENTAL**
THE BEST, BY DESIGN

VistaRay 7 – top technology in its seventh generation

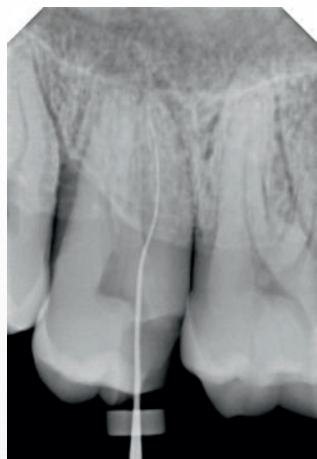
Over 20 years of experience in sensor technology

The best products mean quality with no compromises. This is why dentists all around the world put their trust in DÜRR DENTAL – including when it comes to sensor technology. With the sensors being manufactured in Germany, DÜRR DENTAL guarantees highest quality and excellent diagnostic benefits. Extremely impressive: the

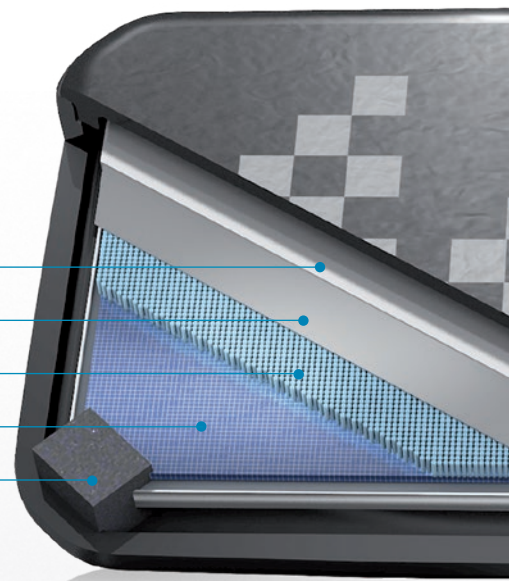
high level of detail even at lowest radiation doses. The depiction of the finest greyscales enables D1 caries lesions to be reliably detected. Fast image availability and the high level of detail (e.g. display of ISO 06 files) make VistaRay 7 a valuable complement to image plate technology in the area of endodontics or for checking abutments.

Technology

VistaRay 7 offers an effective resolution of 20 LP/mm with particularly fast image availability. The sensor can be connected directly via USB („Plug & Ray“) and is available in two sizes: Universal and Bitewing.



Shielding
Scintillator
Fibre optics
CMOS chip
Shock absorber



Hygiene management

For optimum hygiene management we offer hygienic protective covers that are specially tailored to the VistaRay 7 sensor. The sensor itself can be immersion-disinfected or wipe-disinfected (in accordance with the RKI guidelines).



VistaRay 7 with USB – flexible and mobile

Software

With the DÜRR DENTAL imaging software you can acquire and save images and edit them in many different ways. It can be used as a standalone solution or embedded in the practice network. An imaging app is also available for iPads. Connection to third-party software is also possible.*



The benefits for you

VistaRay 7 offers an extremely high level of detail for reliable diagnostics. Thanks to fast image availability, it also guarantees an efficient workflow.

Since the sensor can be used at multiple stations, it represents a cost-effective and flexible solution. This makes it the perfect complement to image plates in endodontics, implantology and dental care. In addition, special filters and a range of image processing options offer further diagnostic support.



Fast image transmission with CMOS

The state-of-the-art CMOS technology used in the VistaRay 7 ensures fast image transmission at high resolution. The new scintillator layer from DÜRR DENTAL reduces light scattering and focuses the light, which has a positive impact on image quality.

Cable length 2.5 m



Accessories

A sensor holder system set, a sensor holder and hygienic protective covers are available as accessories.



* Twain driver (e.g. Romexis and CliniView) or Image Bridge (Sidexis, VixWin)

The technology at a glance!

Figure 1:1



VistaRay 7	Sensor size 1	Sensor size 2
Sensor dimensions (L x W x D mm)	39 x 27.4 x 6.3	43 x 33.1 x 6.3
Active sensor surface area (L x W mm)	30 x 20	36 x 26
Pixel size (µm)	19 x 19	19 x 19
Number of pixels	1,050 x 1,580 = 1,659,000	1,368 x 1,896 = 2,593,728
Theoretical resolution (LP/mm)	26.3	26.3
Effective resolution (LP/mm)	20.0	20.0
Cable length (m)	2.5 ¹	2.5 ¹
Service life	> 400,000 images ²	> 400,000 images ²

¹ Cable replacement possible at a fixed price if required

² Subject to correct usage in accordance with the operating instructions, with an average detector dose of 50 µGy

General technical data	
Installation	Wall or pipe clamp
Greyscales	16 bits (65,536)
PC connection	USB 2.0, USB 3.0 compatible
USB extension	1 m (standard) ³

³ We recommend using an active USB hub if you wish to extend this further.



Sensor holder system
set for safe and com-
fortable positioning



Immersion disinfection
with ID 212
or ID 212 forte



VistaRay 7 sensor holder
for installation on the wall or on lamp mounting pole



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