

# VistaRay 7 sensors – fast, easy and excellent x-ray images



COMPRESSED AIR  
SUCTION  
IMAGING  
DENTAL CARE  
HYGIENE



reddot design award  
winner

 **DÜRR  
DENTAL**  
THE BEST, BY DESIGN

# VistaRay 7 – top, 7th generation technology

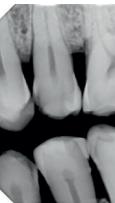
## 15 years of experience in sensor technology

The best products mean quality with no compromises. That's why dentists around the world place their trust in Dürr Dental and our sensor technology. By manufacturing our sensors in Germany, Dürr Dental ensures consistent quality and high diagnostic capability. Completely convincing: The high level of detail even at low radiation levels. The depiction of the finest greyscale enables D1 caries lesions to be reliably detected. Thanks to the quick availability of images and high level of detail (e.g. display of ISO 06 files), VistaRay 7 is a valuable complement to image plate technology in endodontics and when checking abutments.



## The Technology

- Effective resolution of 20 LP/mm .....
- Quick image availability .....
- Direct USB connection Plug & Ray .....
- 2 sizes (universal and bitewing) .....

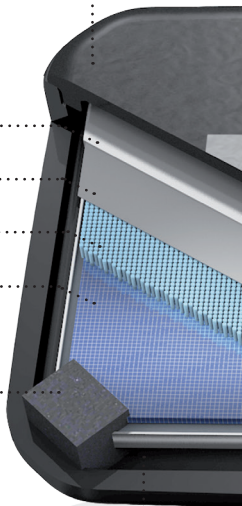


## Quick image transmission with CMOS

The modern CMOS technology of the VistaRay 7 ensures the fast transmission of high-resolution images. The new Dürr Dental scintillator layer reduces scatter and concentrates light, which positively influences the image quality.

## The Setup

- Shield .....
- Scintillator .....
- Fibre optics .....
- CMOS chip .....
- Shock absorber .....



VistaRay 7 with USB – flexible and mobile

## Hygiene Management

- Hygiene covers .....
- Can be dip- and wipe-disinfected .....



Scan and see the video! VistaRay 7

**INNOVATIVE**

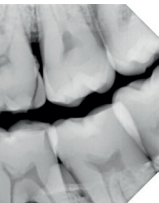
We constantly develop advanced system solutions



**The Software**

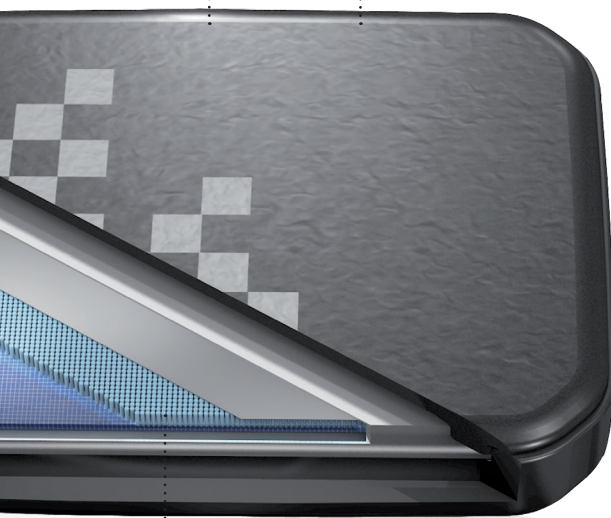
- ..... Dürr Dental Imaging Software for capturing, storing, and processing images
- ..... Standalone or in the surgery network
- ..... Imaging app for iPad
- ..... Connection to third-party software possible\*

**NEW!** Imaging iPad app in app store!



**The Benefits**

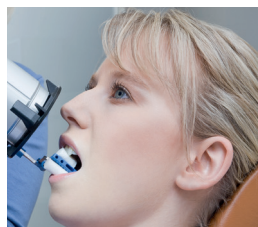
- ..... High level of detail – reliable diagnostics
- ..... Quick image availability – efficient workflow
- ..... Can be used at multiple stations – cost-effective and flexible
- ..... Ideal complement to image plates in endodontics, implantology and conservative dentistry
- ..... Diagnostic support in the form of special filters and versatile image processing (DBSWIN or VistaEasy)



Cable length of 2.5 m

**The Accessories**

- ..... Sensor Holder System Set
- ..... Sensor storage
- ..... Hygiene covers



**BEST IN CLASS**

We provide excellent products and services

\* TWAIN drivers (e.g. Romexis) or Image Bridge (Sidexis, VixWin)

# The technology at a glance

Actual size



VistaRay 7	Sensor size 1	Sensor size 2
<b>Sensor dimensions (L x W x D mm)</b>	39 x 27.4 x 6.3	44.7 x 33.1 x 6.3
<b>Active sensor surface (L x W mm)</b>	30 x 20	36 x 26
<b>Pixel size (µm)</b>	19 x 19	19 x 19
<b>Number of pixels</b>	1,050 x 1,580 = 1,659,000	1,368 x 1,896 = 2,593,728
<b>Theoretical resolution (LP/mm)</b>	26.3	26.3
<b>Effective resolution (LP/mm)</b>	20.0	20.0
<b>Cable length (m)</b>	2.5 <sup>1</sup>	2.5 <sup>1</sup>
<b>Service life</b>	> 400,000 images <sup>2</sup>	> 400,000 images <sup>2</sup>

<sup>1</sup> Fixed price cable replacement possible if required

<sup>2</sup> If used properly as described in the usage instructions with an average detector dose of 50 µGy

## General technical data

<b>Setup</b>	Wall- or pipe- mounted
<b>Greyscale</b>	16 bit (65,536)
<b>PC connection</b>	USB 2.0, USB 3.0 compatible
<b>USB extension</b>	1 m (standard) <sup>3</sup>

<sup>3</sup> In the case of a further extension, the use of an active USB hub is recommended



Sensor Holder System  
Set for safe and convenient placement



VistaRay 7 in mobile use with laptop



VistaRay 7 sensor storage for mounting to wall or lamp support

