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

COMPRESSED AIR

SUCTION

IMAGING

DENTAL CARE

HYGIENE

DÜRR
DENTAL

THE BEST, BY DESIGN

VistaRay 7 – top, 7th generation technolog

Guaranteed quality

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
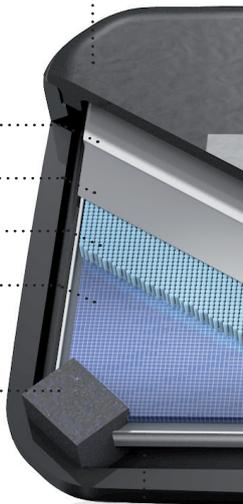2 sizes (universal and bitewing)

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

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

* 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
Sensor dimensions (L x W x D mm)	39 x 27.4 x 6.3	44.7 x 33.1 x 6.3
Active sensor surface (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] Fixed price cable replacement possible if required
[2] If used properly as described in the usage instructions with an average detector dose of 50 µGy

General technical data	
Setup	Wall- or pipe- mounted
Greyscale	16 bit (65,536)
PC connection	USB 2.0, USB 3.0 compatible
USB extension	1 m (standard)[3]

[3] 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

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