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Our Products >> Zen PX 2 & Diox Handheld X-Ray-Lowest Price in the USA \$3500 >> Sigma Bio Ray HR Digital X-Ray #1 Sensor - \$4995.00

Sigma Bio Ray HR Digital X-Ray #1 Sensor - \$4995.00

Sigma Digital X-Ray Bio Ray HR Digital X-Ray Sensors #1 Sensor

Bio Ray HR Intraoral Digital X-Ray System (Sigma Digital X-Ray)

As a pioneer in Dental digital radiology, SigmaDigital X-Ray is proud to announce our "new"BIO-RAY SDX Intraoral Digital X-Ray System.

"BIO-RAY HR" generates precise images with over 2 million pixels. These high-resolution images help you make the most accurate diagnosis possible - and will achieve sharper & crisper high-res than ever before, compared to other digital systems.The sensors come encased in a much sturdier and solid material that will minimize your down time due to sensor damage from mishandling, as experienced with other more fragile systems. All this: Quality, Reliability, Sharp-Precise Images,Speed, Comfort, & Precision - at an affordable price, in sizes 1 & 2, with a 2 year warranty included.

EXPERIENCE THE DIFFERENCE. Small fiber-optic plate, and needle structure scintillator makes the Bio-Ray SDX pixel size, superior in resolution and image quality. From direct digital panoramic to phosphor plate systems, Sigma Digital X-Ray offers a turnkey solution for all your digital imaging needs. And Bio-Ray HR will give you the best technology available for a reasonable price.

Your Bio Ray SDX System includes...

(1) Bio-Ray Digital X-Ray Sensor

USB Interface Box & USB Cable

100 Pack Sensor Sheaths

Sensor Positioning System

Wingers Positioning Samples with Training Video

Sensor Hanger and Single User Imaging Software.

2 Year Warranty

Needle Structure Scintillator:The purpose of the scintillator is to convert x-rays to light. A needle structure scintillator helps to focus the photons in a straight, downward fashion, eliminating unwanted scatter. Most companies utilize a granular structure scintillator, which generates scatter and unwanted noise.

Fiber Optic Plate:The fiber optic plate improves image quality by stopping nonconverted x-rays from interacting directly with the CCD, which in return eliminates unwanted noise in the signal. It also helps to focus the photons and apply them to the CCD in an even fashion.

CCD:A unique manufacturing process enables us to provide a CCD with little or no blemishes. This almost flawless CCD requires no correction file, which drastically improves hardware performance. A correction file is software that is needed to fix defects in the hardware. With no correction file your

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- Quality Latex Power-Free Gloves
- Nitrile Gloves-Powder Free-Latex Free
- Disposable 3-Ply Ear Loop Face Mask
- Dental Cup Mask with Earloops
- Impression Material-crown & bridge
- Puddy Impression Material
- Cordless Prophy Dental Handpiece
- Mobile Portable Adjustment Examination LED Light
- Deluxe Full Spine Posture Pump
- Flowable Composite Syringes(setof 4) - \$28.00
- Z 250 Composite 3M ESPE.-4g Syringe -\$35.00

sensor will be ready instantly, and more importantly you won't have to worry about your sensor timing out during the capture process.Eliminating the need for a correction file also improves workflow with multiple sensors.

Bio-Ray SDX:By utilizing a unique manufacturing process combined with the ideal materials for dental CCD imaging, and one of the smallest pixel sizes available, Bio-Ray SDX offers super image quality. Sigma Digital X-ray combines superior hardware, software and service, making the Bio-Ray SDX the best Intraoral Digital Radiography System available today.Schematic of a Scintillator-CCD Detector. Incident X-ray photons interact with the scintillator where they are absorbed and light photons are emitted.Light photonsenter the fiber optic plate and are carriedto the CCD where they are detected and converted to electrons.

Intraoral Sensor Specifications:

- Pixels in Sensor #1:1.50
- Pixels in Sensor #2:2.04
- Pixel Size for #1: 20 x 20
- Pixel Size for #2: 20 x 20
- Active Image Area(mm)for the #1: 34 x 24
- Active Image Area(mm)for the #2: 30 x 20
- Resolution: #1:25
- Resolution: #2:25
- External Dimensions(mm) #1: 38.5 x 26.2
- External Dimensions(mm) #2: 42.5 x 30.5
- Shipping \$45.00

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Qty*

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