Technical data	Regular - size 1	Large Area - size 2
External Dimensions (mm):	38.9 x 24.9	41.9 x 30.4
Thickness (mm)	5.3	5.7
Pixel Matrix:	1500 x 1000	1700 x 1300
Pixel size (um):	20	20
Maximum spatial resolution (lp/mm)	25	25
Digital image bit depth	14 bit acqisition - 16384 maximum grey levels	
Scintillator technology	CsI (Caesium Iodide) with micro-columnar structure	
Direct exposure protection	FOP (Optical Fibers Plate)	
Compatibility with X-ray generators	Any AC and DC technology X-ray generators with kV values in the range 50 - 70 kV and with fine control of exposure times	

Minimum System Requirements	
Supported Operating Systems	Microsoft® Windows® 7 - Vista - XP Service Pack 2/3
PC interface	Hi-Speed USB
Power supply	5 VDC, 350 mA (USB)

MZENGB091S02
05 / 2015

Zen-X
Imaging simplicity

my-ray new comfort in digital imaging
www.my-ray.com

CEFLA Dental Group
Via Bicocca 14/C 40026 IMOLA (BO) - ITALY

ZEN X Digital X-ray sensor

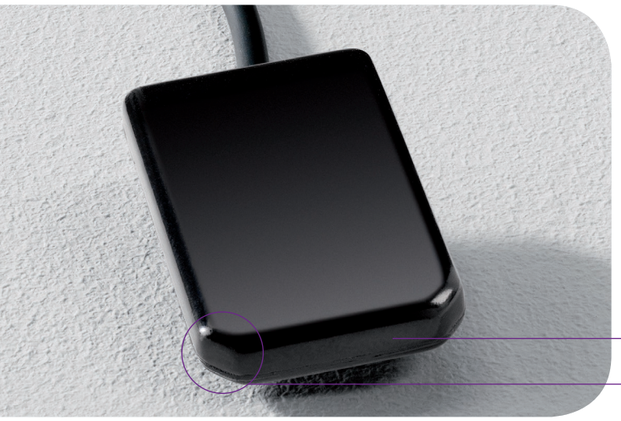
my-ray new comfort in digital imaging

zenX

Digital X-ray sensor

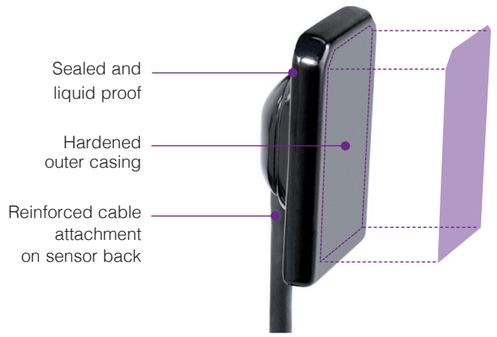
USB connectivity

myray
new comfort
in digital imaging



Intraoral imaging made comfortable, at last

Zen-X has been developed to simplify the whole process of taking radiographs thanks to the outstanding ergonomic shape, which guarantees maximum patient comfort.
The smooth sensor edges and the chamfered corners follow the anatomical shape of the oral cavity, simplifying sensor positioning.



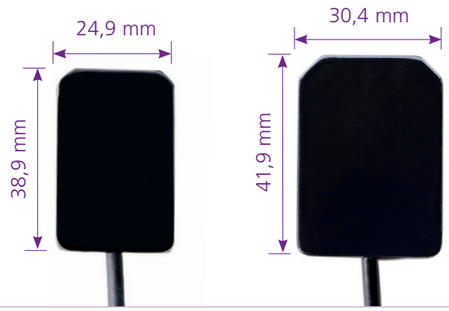
Shape of the active area, with profiled frontal corners, which allows for optimized outer casing.

Accuracy, whichever way you look at it

When it comes to diagnosis, images are not enough. It is essential that those images are accurate and clear. Zen-X features a highly sophisticated three-layer sensor, capable of high resolution image acquisition at minimal exposure dosage.

Two sizes available

Zen-X is available in two sizes, so you can chose the one that better suits your needs. Zen-X control box features hot-swap sensor connector, to work fast and safe with both sensors. Specific aiming devices are designed for both sizes to facilitate intraoral positioning.



Easy, Fast, Mobile

Powerful USB connectivity makes system extraordinarily convenient and mobile. No unwieldy power source attachments, thanks to low power requirements sourced directly from the USB port.

The pocketsize control box move from room to room and desktop to laptop with ease.

Zen-X is USB 2.0 compatible, thus minimizing the time from the X-ray exposure to the image appearance on computer screen.

Three-layer Sensor Technology

State-of-the-art X-ray image acquisition. Made of three different layers encapsulated in a protective shell, each layer contributes to final image quality.

CsI

This Caesium Iodide scintillator is the first one to intercept the X-ray beam converting it into visible light. It is manufactured with a vertical growth process that generates a columnar microstructure, which grants unsurpassed image quality.

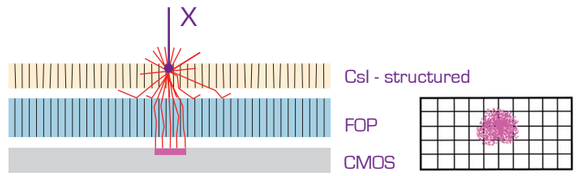
FOP

This Fibre Optics Plate protects the sensor from direct X-ray penetration, allowing years of use without image deterioration. Moreover, the vertical fibres preserve the image resolution while the light propagates through the three layers in the sensor.

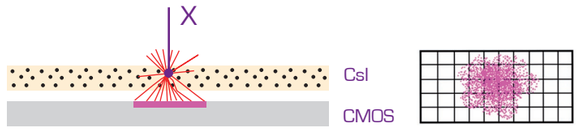
CMOS

This is the acquisition device. It converts the light into a digital image. It's the latest generation of digital receptors, with cells of 20µm and 14bit encoding, capable of 16384 gray shades, way above your intraoral imaging needs. So you can be sure no detail is missed.

Sensor with FOP



Sensor without FOP



The Digital Way

Save time and costs. Reduce X-ray exposure. Enhance, share, store your X-ray images easily, thanks to the treatment software.

Work with existing X-ray generators. Improve your diagnostics with superior images with no chemicals, no waiting, and no duplication hassles.

Going digital is no longer an option, because it helps you work more efficiently.

Zen-X is intraoral X-ray technology made simple, so nothing else stands in the way between you and the digital choice. Better workflow, better care.