stomdevice

Zen-X

HD direct USB X-ray Sensor



new comfort
in digital imaging

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Immediate diagnosis.

Always ready, fast, portable. Zen-X is an HD digital sensor used to acquire unmatched high definition intraoral images and make your workflow both simple and efficient.
MyRay, just right for you.



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ERGONOMIC DESIGN
Thin profile,
rounded corners
and flexible lead.
Maximum active area.

HD SENSOR
Multi-layer sensor
(CsI + FOP + CMOS),
high definition technology.

WATERPROOF

RELIABLE AND HARD-WEARING
Resistant to dust and liquids,
IP 67 certified.



DIRECT USB
USB direct plug-and-play
connection to display
Real-Time images.

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Real time diagnostics.

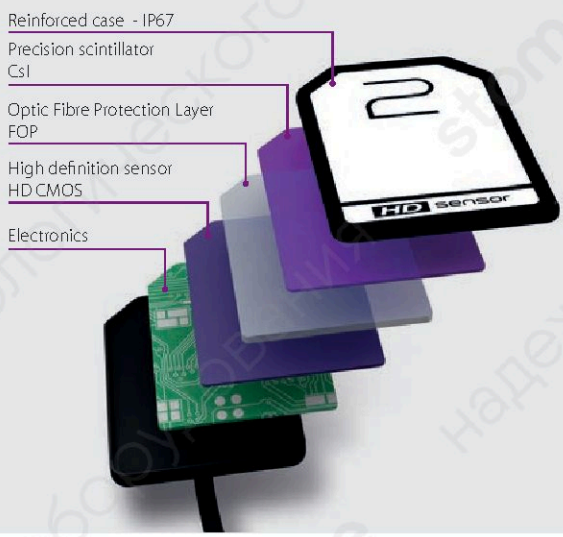
High definition, immediacy, reliability and ergonomics. Zen-X offers all the advantages of real-time digital technology to obtain and share high quality images with ease.

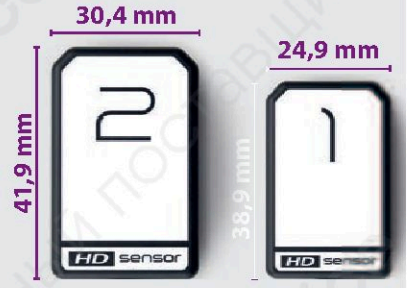
Capture and consult the best high definition intraoral images immediately. Zen-X saves time and make communication with patients more effective thanks to automatic acquisition and USB direct plug-and-play connection.
Available in two sizes, it features ergonomic design with smoothed edges, rounded corners and a flexible lead, maximising both active area and positioning comfort.
Made of extremely hard-wearing materials of the highest quality, it is compatible with all intraoral X-ray generators.
The precision of modern technology.

- Easy, fast, portable, real-time
- Maximum active area with optimal ergonomics
- Resistant to impact, dust and liquids
- Plug-and-play with iCapture software
- All-in-one iRYS software - Free Viewer and iPAD app

LATEST-GENERATION HD MULTI-LAYER SENSOR

The Cesium Iodide (CsI) scintillator intercepts the X-ray beam and converts it into visible light while preserving image quality.
The layer of fibre optics (Fibre Optics Plate) collimates the radiation onto the sensor and protects it against direct X-ray penetration.
The high definition acquisition device with 20 µm cells (HD CMOS) converts the light into a digital image which is then processed by the on-board electronics, ready to be transferred to a USB port.

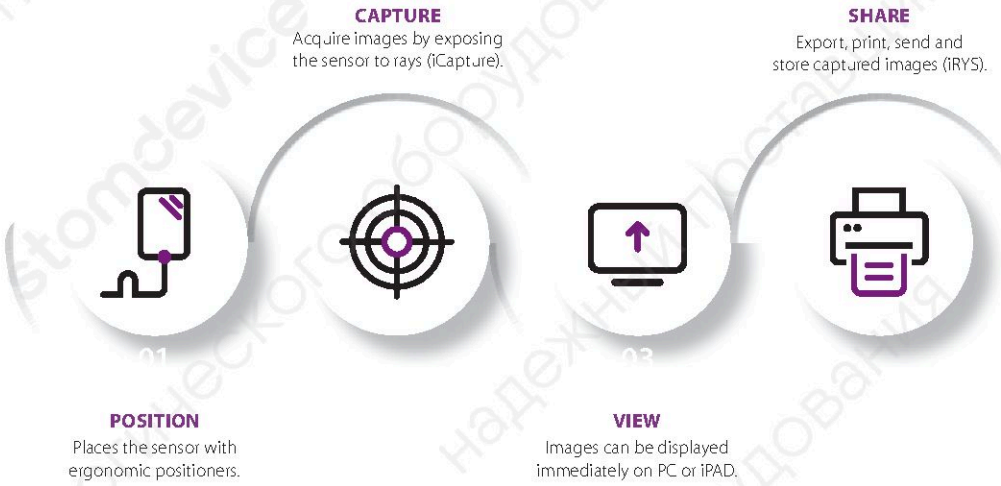




FOR ALL YOUR NEEDS

Whatever your task, Zen-X will help you complete it.
Available in two sizes, it adapts to all types of examination.

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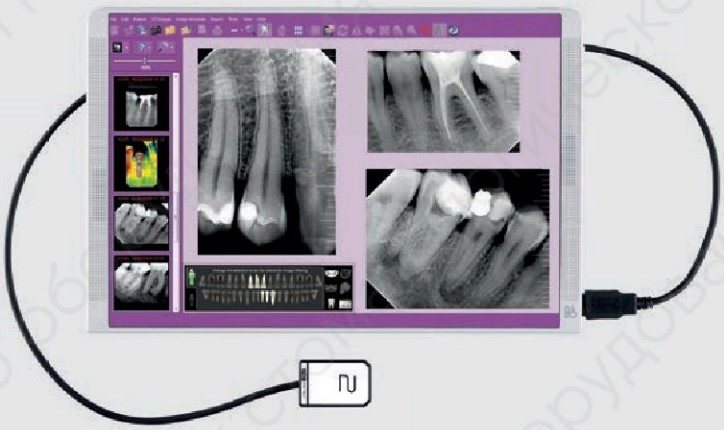


OPTIMAL WORKFLOW

Ergonomic positioners allow optimal placement of the sensor, which is always ready for exposure. Following acquisition, images are loaded directly onto the PC. They can then be saved, consulted and shared via iCapture software (TWAIN), all-in-one iRYS software (DICOM) or with a free image viewer or iPAD app before being printed or sent via e-mail.







IRYS, EASY COMMUNICATION

The sensor integrates perfectly with the iRYS software installed on the PC and the 2D image viewer for iPAD; iRYS is the all-in-one solution for 2D and 3D diagnostics, communication and intraoral imaging management. Provides simple yet comprehensive processing tools: fast browsing of captured images, calibration and pre-settable filters, association with the dentition chart and automatic pre-definable layouts with which to save and consult patient X-rays relative to different treatment sessions.

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Technical specifications.

Intraoral sensors	Size 1 - REGULAR	Size 2 - LARGE
External dimensions (mm)	38.9 x 24.9	41.9 x 30.4
Thickness (mm)	5.3	5.7
Pixel matrixl	1500 x 1000	1700 x 1300
Pixel size (µm)	20	20
Maximum resolution (lp/mm)	25	25
Grey levels depth	14-bit acquisition - 16384 maximum grey levels	
Scintillator technology	CsI (Cesium Iodide) with micro-columnar structure	
Direct exposure protection	FOP (Fibre Optics Plate)	
Protection rating	IP 67 (Guaranteed against liquid or dust infiltration)	
Compatibility with X-ray generators	Any AC or DC technology X-ray generator with kV values in the 60 – 70 kV range and precision control of exposure times	
Connectivity	Direct USB to PC	
Acquisition software (for PC)	iCapture with TWAIN interface	
Image management software (for PC)	iRYS (for PC) with DICOM 3.0 interface with free viewer and APP for iPAD	

Minimum system requisites	
Supported operating systems	Microsoft® Windows® 7 (SP1) - 8 - 8.1 Professional (64 bit recommended); Microsoft® Windows® 10 Professional 64 bit
Display settings	1280 x 1024; 1344 x 768 or greater, 16 million colours
Port	USB 2.0 or subsequent
Power supply	5 VDC, 500 mA (via USB)



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www.my-ray.com

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