

# Multiple Images for every level of detail.

Latest-generation Zen-X image processing software aims to improve diagnostics. With outstanding image resolution and a user-friendly interface, Zen-X makes image reading easier to meet your needs more effectively.

Equipped with iRYS software, Zen-X now offers the most advanced, versatile image processing filter pre-setting on the market. Users can select which filters to use from among the pre-set families and define any further customisations according to their visual or diagnostic preferences. All filters are accessible from the iRYS image display window, where users can decide which ones to apply automatically. This provides individual dentists with a customised comfort zone for every appointment.

### MultiIMAGE

This original MyRay function is designed to meet the real needs of dentists like you. By using proprietary PiE (Powerful image Enhancer) algorithms optimised for the Zen-X sensor, this function lets dentists simultaneously capture, display and share a set of up to 5 images. Each image is the result of a different type of improvement designed to highlight various anatomical details with different levels of sharpness and contrast, ensuring dentists can diagnose better.



## Technical specifications.

| SENSOR: X-VS                        | 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 matrix                        | 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   |                |
| Image capture software (for PC)     | iCapture with dedicated filters for third party software   |                |
| Image management software (for PC)  | iRYS (as per ISDP©10003:2020 in compliance with EN ISO/IEC 17065:2012 - certificate number 2019003109-2) and iPad iRYS viewer app (free) |                |
| Supported protocols                 | DICOM 3.0, TWAIN, VDDS   |                |
| DICOM nodes                         | IHE compliant (Print; Storage Commitment, SR document; WorkList; MPPS; Query/Retrieve)   |                |
| Minimum system requisites           |  |                |
| Supported operating systems         | Microsoft® Windows® 10 Professional 64 bit   |                |
| Display settings                    | 1280x1024; 1344 x768 or greater, 16 million colours  |                |
| Port                                | USB 2.0 or subsequent  |                |
| Power supply                        | 5 V DC, 500 mA (via USB)   |                |



[www.my-ray.com](http://www.my-ray.com)



### BU Medical Equipment

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According to the standards in force, in extra-EU areas the availability and specifications of some products and/or characteristics may vary. Please contact your local distributor for further information.



**Zen-X**

HD direct USB X-ray Sensor



# 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.

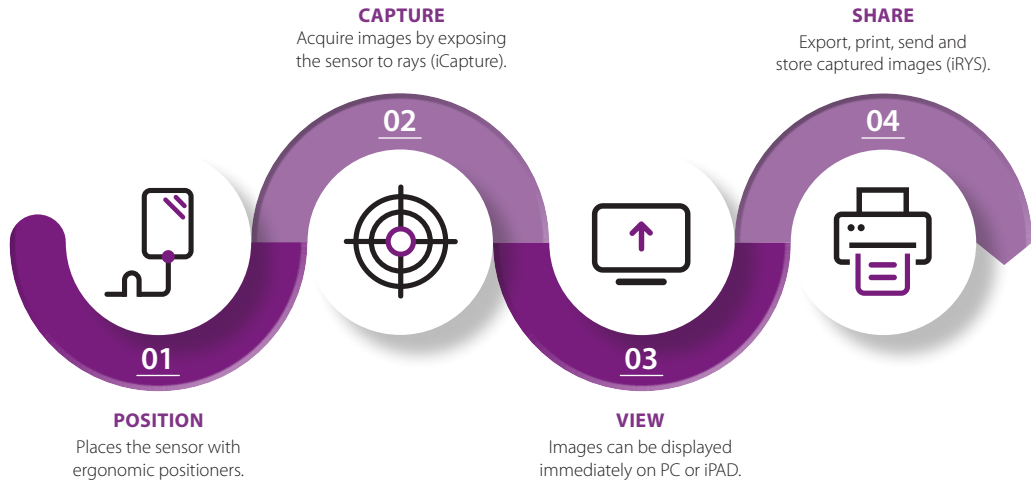
Capture and consult the best high definition intraoral images immediately. Zen-X saves time and make communication with patients more effective thanks to automatic acquisition and USB direct plug-and-play connection.

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



## 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 (TWIN), all-in-one iRYS software (DICOM) or with a free image viewer or iPad app before being printed or sent via e-mail.



## ERGONOMIC DESIGN

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

## HD SENSOR

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



## RELIABLE AND HARD-WEARING

Resistant to dust and liquids, IP 67 certified.

## DIRECT USB

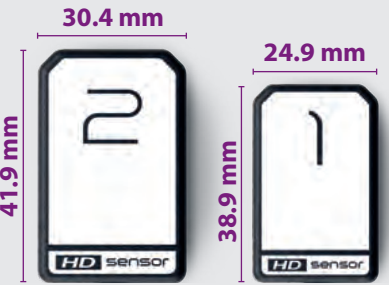
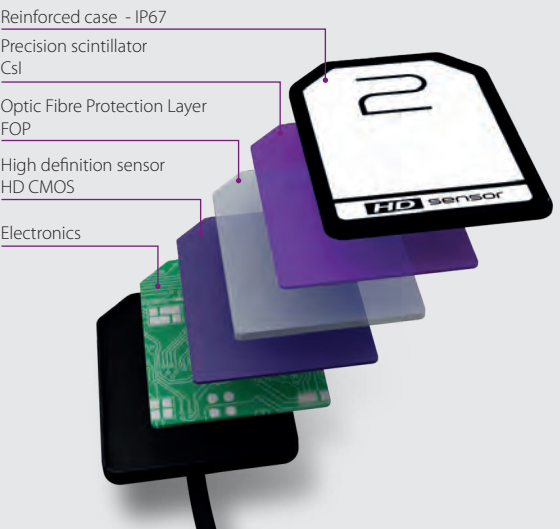
USB direct plug-and-play connection to display Real-Time images.

## 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.

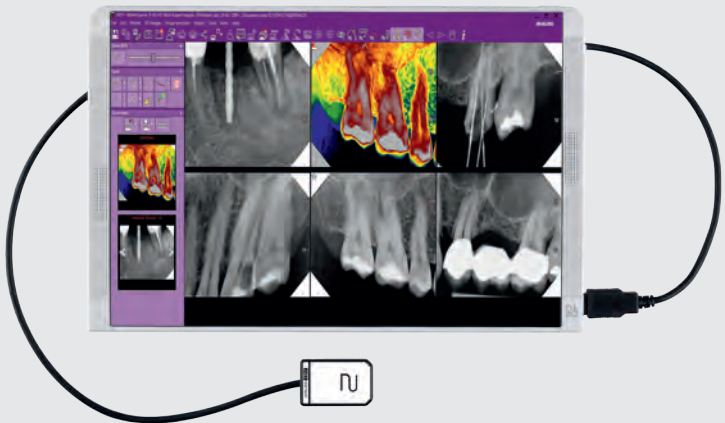
The layer of fibre optics (Fibre Optics Plate) collimates the radiation onto the sensor and protects it against direct X-ray penetration.

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.



## 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.