



Direct Digital  
Intraoral  
X-Ray  
Imaging

Perfection Simplified



## The iOX2 Direct Digital Sensor System

The iOX2 system is the latest development in the field of digital x-ray imaging. In addition to combining the highest quality and the latest technologies on the market today, it is extremely easy to use. iOX2, Perfection Simplified.

### The complete system features:

- two high resolution sensors:
  - iOX2 600 with an active area of 20x30 mm.
  - iOX2 900 with an active area of 25x36 mm
- high-speed, plug-n-play USB data box
- powerful iOX image handling software
- a set of iOX2 sensor holders as accessories



## iOX2 Sensors

The new iOX2 system is the result of a decade of experience in the world of digital dental imaging systems. iOX2 successfully combines all technical knowledge and advances with EASE OF USE.

iOX2 is a system meant to be used by dentists, not computer engineers. With iOX2, high-tech solutions are the means to an end and not the goal itself. iOX2 simply transforms high-tech solutions into better, easier and more efficient radiography. Perfection Simplified.

### iOX2 Sensors

iOX2 sensors come in two sizes: iOX2 600 for daily, general dentistry and iOX2 900, which has been designed for bitewing imaging and posterior area images, in particular. The system can be supplied with either one or even both of these sensors.

	<b>iOX2 600:</b>	<b>iOX2 900:</b>
<b>Active area:</b>	600 mm <sup>2</sup> or 20x30 mm	950 mm <sup>2</sup> or 36.5x26 mm
<b>Outer dimension:</b>	24x37x6.5 mm	31x44x6.5 mm
<b>Resolution:</b>	20 lp/mm	26 lp/mm
<b>Pixel size:</b>	25x25 microns	19.5x 19.5 microns
<b>Pixel quantity:</b>	960,000 1600 pixels/mm <sup>2</sup>	2,489,760 2630 pixels/mm <sup>2</sup>

Both sensors use advanced CCD technology to maximize picture quality while minimizing patient dosage to only about 10% of what is necessary with traditional film. The newest innovation for iOX2 is ISC (Individual Sensor Calibration), which is a type of technology that obtains the best possible picture quality for each and every individual iOX2 sensor. All iOX2 sensors are individually optimised before shipment from the factory to achieve a stable image quality that is the best possible.

Both sizes are ideally shaped for patient comfort: not too thin, so there aren't any uncomfortable, sharp and pointy edges, nor too thick, to avoid positioning problems. The edges of the sensors are comfortably rounded and their cable is flexible and fastened to the top of the sensor to facilitate positioning and improve patient comfort.

To maximize reliability and to avoid cable breakages, the sensor cable is reinforced with Kevlar. The sensors



incorporate SOI (Silicone On Insulation) technology, hindering gradual degradation of pixels, resulting in superb, steady picture quality for years to come.

The sensors can be hot-plugged, which means that they can be immediately interchanged while working just by unplugging them and plugging them in again, as the iOX2 system automatically detects which sensor size has been plugged in.

## iOX2 Data Box

Anyone can install the iOX2 system within minutes as it is only a matter of plugging in the USB cable to virtually any tabletop or laptop computer and loading the CD. The iOX2 works with almost all existing types of x-ray generators, new or older. The user interface is logical and easy, without any unnecessary functions; this enables users to start using the system immediately after installation without a lengthy learning curve.

### **iOX2 data box**

The stylish design of the USB data box incorporates the latest electronics on the market, providing the user with the best possible image quality within a few seconds. The iOX2 system is ready to take images at all times, requiring no activation or pushing of buttons between exposures or patients. All exposures are automatically detected by the iOX2 system and are immediately displayed on screen as well as automatically saved

to the hard drive, which means that you do not have to touch the computer keyboard or mouse between exposures to erase or reset the sensor. This considerably speeds up the work process and maximizes hygiene.

The sensors can be hot-plugged to the data box, enabling a single iOX2 sensor to be shared between multiple operatories, achieving considerable savings.

iOX2 guarantees patient safety through hospital grade 4kV electric isolations in the data box - there is no connection between electrical or phone lines and the patient.

The data box can be placed on a table top or fixed to a wall or cabinetry using an adapter plate. The data box can be placed anywhere in the operatory as the iOX2 does not require any outside power sources — the USB connection supplies the necessary power.



## iOX2 Sensor Holder Set

The iOX2 sensor holder set is a complete sensor positioning system, designed and produced exclusively for iOX2 sensors. It consists of sensor holders for the anterior and posterior areas, as well as holders for bitewing images and aiming rings equipped with additional radiation reduction plates for vertical or horizontal imaging. It is easy to use, it enables the sensor to be positioned exactly to achieve the best image quality possible and it provides help in problematic positioning cases.

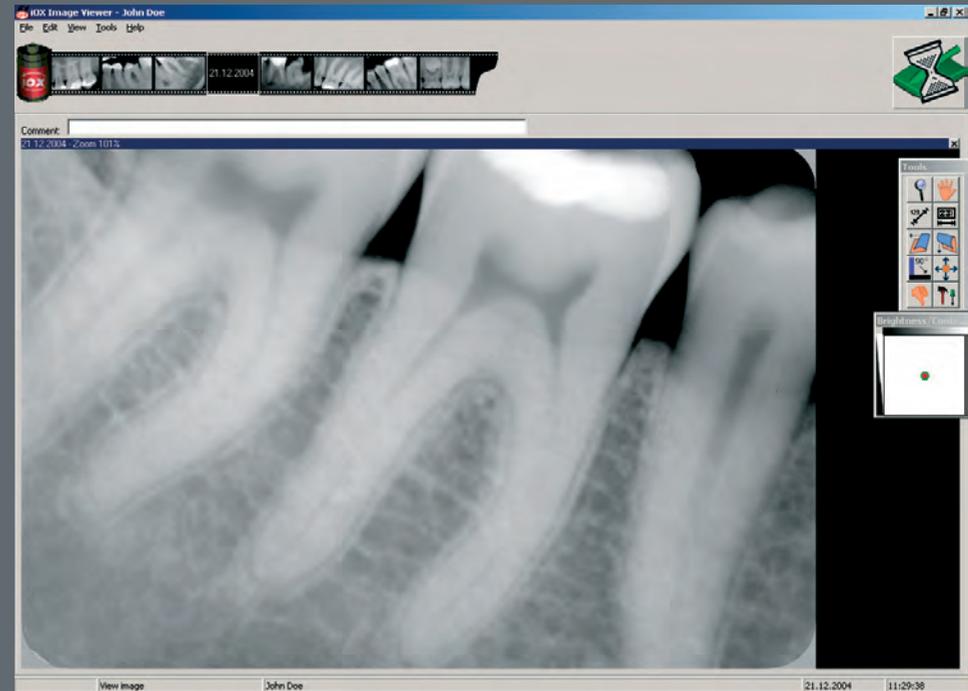


## iOX2 Image Handling Software

The iOX2 system can be used with a multitude of different international and local dental image handling software; links to other software are constantly being incorporated into iOX2. By default, the system is delivered with iOX2 imaging software.

iOX2 imaging software is a powerful imaging tool. Keeping it simple and easy is the key philosophy behind iOX2 software. The user interface is logical and has been stripped of unnecessary, confusing functions. The most commonly used functions are always just one mouse click away; advanced functions that are rarely used have been removed from the basic screen setting to keep the visual layout clean and simple.

iOX2 software automatically corrects image quality in case of over- or underexposure, it has a user-friendly patient database, image printing function and, of course, a variety of image handling functions. iOX software has a broad range of languages to ensure that users can easily use the software in their own language.





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FIMET is one of the globally operating manufacturers of dental equipment. Through its comprehensive range of F1 and iOX equipment that has been adapted for different markets and needs, FIMET has become well respected across the globe.

FIMET was established in 1981. Today, the group employs 120 persons internationally. With its main factory in Finland, FIMET distributes its products in 50 countries, through a network of professional distributors, offering up-to-date technical and customer service.

Globally, we have more than 20,000 patient chairs, 10,000 dental delivery units and 2,500 x-ray sensors in service. FIMET products are CE-certified according to the highest European standards and FIMET, as a company, is certified according to the ISO-9001 quality system.

FIMET has received 3 prestigious product design awards, been nominated as the Finnish “export locomotive” and as one of the top job-creating companies in Europe. Here at FIMET, our goal is to satisfy our customers with good quality, optimal information, a wide selection of products and options and the best service possible.