THE FIRST – INSTANT – CHAIRSIDE DIGITAL X-RAY
WITH WIRELESS, FLEXIBLE IMAGING PLATES
The OpTime provides efficient workflow of digital imaging.
Why use OpTime?

OpTime is Small
The OpTime is only 8.7” x 15.5” x 7.5”. You can place it in the most convenient location in your office, including chairside, for improved workflow. Full daylight operation allows you to place it virtually anywhere!

OpTime is Smart
Smart, Auto-Functions are the key to efficient workflow. OpTime is easy to use because of its innovative design and functionality.

OpTime is Fast
The image is scanned and displayed in a few seconds for immediate viewing. Ideal for patient communication or when doing procedures, such as Endo, when speed matters. The fast operation also allows continuous feeding for full mouth series application. The ability to place and operate the OpTime chairside eliminates the time and inconvenience of processing at another location.
The Comprehensive Digital Intraoral Imaging Plate System
Advantages

All the advantages of intraoral imaging plates (wireless, flexible, easy to use) without the disadvantages of rigid, wired sensors or a centrally located plate scanner.

PSP imaging plates have become the standard for digital intraoral imaging for the baseline radiographic workload in general dentistry. However, the downside to the increased patient comfort, ease of use and easy implementation of PSP plate systems has been the time consuming, central batch processing and erasing of the plates, followed by the mounting of the images into a series, once scanned. All of which often cause ‘bottlenecks’ in the workflow of a busy dental practice…

…OpTime eliminates these disadvantages, with it’s unique instant, chairside, self-erasing system.

OpTime is the first digital x-ray system designed for the way you take x-rays. OpTime provides all of the advantages of instant, chairside images without the disadvantages of rigid, uncomfortable sensors, or a centralized, batch scanning system. OpTime - Small. Smart. Fast.

OpTime’s advantages over CCD or CMOS sensors:
• wireless
• flexible
• easy to use
• same technique as film
• traditional film sizing

OpTime’s advantages over current PSP systems:
• chairside scanning
• instant (4.3 sec.) image readout
• self erasing
• centralized batch processing is eliminated
• reduced handling for increased plate life
• image series mounting (drag & drop) is eliminated
Efficient workflow

AutoDetect
OpTime automatically identifies what size Imaging Plate is inserted – there is no need for separate adapters or holders. AutoDetect enhances operating convenience and improves workflow.

AutoStart
AutoStart means no buttons to push to start the readout. The OpTime detects when an Imaging Plate has been inserted and the readout will begin, automatically.

AutoErase
OpTime has a built-in erasing system, so there is no need for a separate erasure accessory. The automatic erasing system ensures that Imaging Plates are ready for immediate reuse.

AutoEject
AutoEject simplifies the workflow. After the Imaging Plate is read and erased it is automatically ejected. The unit is ready for the next Imaging Plate.

AutoOptimization
AutoOptimization adjusts the brightness and contrast of the image automatically. Due to Soredex Imaging Plates and OpTime’s built-in system intelligence feature, image quality is always optimized.

AutoSleep
OpTime automatically switches to the Sleep-mode when it is not used for a certain period of time. This can be easily configured to meet your needs.
Why use digital imaging plates?

Digital Imaging Plates provide superb clinical image quality, while being thin and reusable. They are placed and positioned in the mouth just like film without the discomfort and positioning difficulties of wired sensors.

100% ACTIVE AREA

Optimized Flexibility
OpTime Imaging Plates are available in four sizes (0, 1, 2, 3). They are comfortable for the patient and easy to use. They are flexible enough to enable easy and precise positioning while being rigid enough to minimize distortion and plate damage.

Hygiene Bags
Protective hygiene bags make positioning simple and eliminate the possibility of cross contamination. Sealing and opening the hygiene bags is effortless.

Imaging Plate Covers
The covers protect the Imaging Plates from light to ensure image quality after they are removed from the hygiene bags. They also protect the Imaging Plates to extend their life.

Plate Holders
OpTime Imaging Plates can be used with virtually any film holder and positioner. No special holders or procedures are needed to take great images.

Orientation Marker
OpTime Imaging Plates include a marker that is visible on the image if the Imaging Plate has been incorrectly exposed from the other side and guides the operator to mirror the image in the imaging software for correct orientation.
**Optimal Signal-To-Noise Ratio**

In digital imaging, an optimal signal-to-noise ratio is important to create images of the highest quality. Too much noise results in a loss of diagnostic information. The OpTime is designed with a short light path from the imaging plate to the photomultiplier tube to minimize the noise in the signal. The result is an optimized, crystal clear image with a very low level of noise.

**Wide Dynamic Range**

An often-overlooked factor in an imaging system is its dynamic range. A wide dynamic range means the system can produce quality images over a broad range of x-ray exposure values. Film and some sensor systems require very specific values to achieve proper results. This can result in inconsistent results. The dynamic range of the OpTime means consistent results without having to change exposure settings for each patient. It also makes it compatible with both AC and DC x-ray systems.

Besides being small, smart, and fast, **OpTime produces high clinical image quality**
Comprehensive imaging software is available for keeping your patients’ images organized and quickly accessible. With this software, a full selection of image enhancement tools is at your disposal to provide you with the maximum amount of diagnostic information from full-mouth series, bite-wing, periapical radiographs and color images. OpTime can also be operated with most of the major practice management systems.
Flexible, open environment

Versatility
The OpTime system with network software makes it possible for a single OpTime to be shared by many dentists at the same dental office or clinic. It is also possible to have an OpTime in each dental operatory and store image data in a common database. The system is versatile and easy to use in different configurations.
Digital imaging made easy
Small, smart and fast

- Imaging Plates are easy to use and no new positioning procedures are required
- Imaging Plates and sizes are the same as traditional film.
- Unique serialization of Imaging Plates
- Compatible with all common film holder and positioners
- Small size allows placing wherever convenient, including chairside
- Daylight operation eliminates need for special processing area.
- Fast operation allows immediate viewing
- No need to batch process
- Auto erasing of Imaging Plates and other automatic features increases workflow
- Outstanding image quality.

OpTime Technical data

<table>
<thead>
<tr>
<th>Pixel size, selectable</th>
<th>40 μm (Super), 64 μm (High)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bit depth</td>
<td>14 bits grayscale</td>
</tr>
<tr>
<td>Spatial resolution</td>
<td>12.5 lp/mm</td>
</tr>
<tr>
<td>Read-out time</td>
<td>4.3 - 7.5 seconds</td>
</tr>
<tr>
<td>Interface cable</td>
<td>UTP (RJ-45) Ethernet required, not supplied (max. 2.5m). Connection to the PC must meet IEC 60601-1 and/or corresponding IEC harmonized national standard.</td>
</tr>
<tr>
<td>DXR 50 Classification</td>
<td>IEC60601-1</td>
</tr>
<tr>
<td>IEC60601-1</td>
<td>- Class 1 equipment</td>
</tr>
<tr>
<td></td>
<td>- Continuous operation</td>
</tr>
<tr>
<td></td>
<td>- IPX0 (enclosed equipment without protection against ingress of liquids)</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>7.5” x 8.7” x 15.5”</td>
</tr>
<tr>
<td>Weight</td>
<td>7 kg (15.5 lb)</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>100 - 240 V, 50/60 Hz</td>
</tr>
<tr>
<td>Operating current</td>
<td>Less than 1.3 A</td>
</tr>
<tr>
<td>Operating environment</td>
<td>+10°C ~ +40°C, 30 – 90 RH%, 700 – 1060 hPa</td>
</tr>
<tr>
<td>Operating position</td>
<td>Horizontal, on a stable, vibration-free surface</td>
</tr>
<tr>
<td>Storage / transportation environment</td>
<td>-10°C ~ +50°C, 0 – 90 RH%, 500 – 1080 hPa</td>
</tr>
</tbody>
</table>

Computer requirements

<table>
<thead>
<tr>
<th>Single User PC</th>
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</thead>
<tbody>
<tr>
<td>Operating system</td>
</tr>
<tr>
<td>PC</td>
</tr>
<tr>
<td>RAM</td>
</tr>
<tr>
<td>Hard disk</td>
</tr>
<tr>
<td>Monitor (mini-</td>
</tr>
<tr>
<td>mum, recom-</td>
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<tr>
<td>mended)</td>
</tr>
<tr>
<td>Network protocols</td>
</tr>
<tr>
<td>Back-up</td>
</tr>
<tr>
<td>Imaging Plates</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>(optional)</th>
<th>(optional)</th>
<th>(optional)</th>
<th>(optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>22 x 31 mm</td>
<td>24 x 40 mm</td>
<td>31 x 41 mm</td>
<td>27 x 54 mm</td>
</tr>
<tr>
<td>Image size (pixels), 40 μm</td>
<td>550 x 775 pixels</td>
<td>600 x 1000 pixels</td>
<td>775 x 1025 pixels</td>
<td>675 x 1350 pixels</td>
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<tr>
<td>Image size, 40 μm</td>
<td>833 KB</td>
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<td>1.55 MB</td>
<td>1.78 MB</td>
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<tr>
<td>Image size (pixels), 64 μm</td>
<td>484 x 344 pixels</td>
<td>625 x 375 pixels</td>
<td>641 x 484 pixels</td>
<td>844 x 422 pixels</td>
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<tr>
<td>Image size, 64 μm</td>
<td>325 KB</td>
<td>458 KB</td>
<td>606 KB</td>
<td>695 KB</td>
</tr>
</tbody>
</table>

Main dimensions

8.7” / 221 mm
15.5” / 394 mm
SOREDEX designs, develops, manufactures and markets dental imaging systems, with an emphasis on innovative digital solutions. Operating worldwide, SOREDEX offers quality imaging systems of true diagnostic value, based on an in-depth understanding of the dental practice. Applying three decades of experience of imaging excellence, we offer reliable and easy-to-use solutions that help you focus on patient care.

SOREDEX digital imaging systems are innovative and accurate diagnostic tools that integrate seamlessly and easily into a dental practice, enhancing the imaging process and improving workflow. Our systems are designed to be simple and easy to use. They will make your dental practice more efficient and ultimately give you more time for your patients.

SOREDEX stands for innovation and value in dental X-ray technology.


SOREDEX reserves the right to make changes in specification and features shown herein at any time without notice or obligation. Contact your SOREDEX representative for the most current information.

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