XIOSPLUS - INTRAORAL SENSOR
HELIODENTPLUS - INTRAORAL X-RAY SOURCE

As flexible and individual as your practice.
**Heliodent Plus** – NEW Intraoral Source

On the knowledge and experience of over 150,000 units, Sirona's new intraoral X-ray source, Heliodent Plus is designed as the latest generation of intraoral X-ray system for digital, film-based or phosphor plate imaging. The Heliodent Plus is a compact, ultra-light, vertically mounted intraoral X-ray generator featuring quick and safe operation that enhances your practice's workflow.

**Xios Plus** – NEW Intraoral Sensor System

Outstanding image quality with minimal radiation dosage, Sirona's new intraoral sensor system, Xios Plus provides the most flexible solution to fit your needs. Built on the advanced CMOS APS (Active Pixel Sensor) technology platform, Xios Plus can be incorporated into your practice via the flexible USB module, or multi-use Ethernet Wall module. The Ethernet and USB modules can be integrated directly into the practice network and they offer unprecedented flexibility and distinct advantages.

**Ethernet Wall Module**
- Integrated into the practice network without any additional license fees
- Integrated sensor holders accommodate two connected sensors simultaneously to allow for use in two operatories via pass-through or central cabinet
- Multicolor display confirms patient information, sensor status and network speed

**USB Module**
- Plug and Play USB module is ultra portable
- Operate on multiple PCs without lengthy installations
- Suitable for mobile use between multiple operatories
- Can be used with a laptop for multi-op installations

Available in sizes 1 and 2, Xios Plus features a slim sensor design with ergonomically friendly rounded corners and edges. The Xios Plus (Rinn type) adhesive sensor holder enables easy positioning and enhances patient comfort. Xios Plus sensors work in conjunction with Sidexis imaging software to integrate with most practice and image management software.

**Easy to Use**
- User friendly interface with clearly recognizable icons
- Simply select the exposure settings between film or digital, adult or child
- Two power settings: 60 kV for high contrast images, 70 kV for highly detailed images
- Preprogrammed exposure times for better workflow

**Robust, Reliable Design**
- Robust arm assembly designed to fit any operatory
- Designed to withstand the most challenging conditions
- Various arm lengths provide easy, stable positioning
- Vertical mount design can be incorporated in pass-through and central cabinet installations
- Multiple control options for flexible installation
- Built-in power regulator helps to offset negative line power fluctuation effects

Image quality, ease of use, flexibility and the multicolor display remote panel with clearly recognizable icons and digital display assure fast and easy operation in your practice. In connection with established Sirona digital sensors, Heliodent Plus supplies first-class digital images, and the Sidexis XG software displays these images in real time.
USB or Ethernet operation – Great solutions for any practice.

With its flexible choice of USB or Ethernet operation, XIOSPLUS brings an advanced, yet easy to use system to your dental practice. The wall module with its elegant, functional design facilitates the use of the practice network. The clearly structured multi-color display allows for quick and safe use of the sensors. With the USB option, digital X-ray is easier than ever and the system is always expandable. The choice is up to you.

Plan your future with XIOSPLUS – a custom fit!

Ergonomic sensors
With their rounded corners, beveled edges, and streamlined cable junction, positioning the sensors is a breeze. Size ‘1’ & Size ‘2’ sensors accommodate intraoral diagnostic needs of any office.

Intelligent USB module design
The image acquisition USB module is simply connected to the PC as a link between the sensor and the PC. The USB module features two clearlystructured LED displays that show the system status.

Technical Specification XIOSPLUS

<table>
<thead>
<tr>
<th>Sensors</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Sensor 1: Active surface</td>
<td>20 x 30 mm</td>
</tr>
<tr>
<td>Sensor 1: Overall dimensions</td>
<td>24.8 x 38.5 mm</td>
</tr>
<tr>
<td>Sensor 2: Active surface</td>
<td>25.6 x 36 mm</td>
</tr>
<tr>
<td>Sensor 2: Overall dimensions</td>
<td>31.3 x 44.5 mm</td>
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<tr>
<td>Sensor resolution</td>
<td>15 µm</td>
</tr>
<tr>
<td>Sensor cable length</td>
<td>3 m</td>
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</table>

<table>
<thead>
<tr>
<th>USB module</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions of USB module</td>
<td>132 x 80 x 37 mm (H x W x D)</td>
</tr>
<tr>
<td>Weight of USB module</td>
<td>104 g</td>
</tr>
<tr>
<td>USB port of USB module</td>
<td>Version 2.0 or 1.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wall module</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall module dimensions</td>
<td>23 x 21 x 6.3 cm (H x W x D)</td>
</tr>
<tr>
<td>Wall module weight</td>
<td>1.2 kg</td>
</tr>
<tr>
<td>Line voltage</td>
<td>100 – 240 V, 50/60 Hz</td>
</tr>
<tr>
<td>Line voltage deviation</td>
<td>± 10%</td>
</tr>
</tbody>
</table>

Comfortable for the patient – easy for the team
The new XIOSPLUS sensors are especially easy to handle because of the low profile cable connection, comfort edges, and anatomically rounded corners. When used with the proven XIOS sensor holders, positioning is easy and pleasant for dental staff and patients.

Robust design – for reliable performance
The strain relief at the cable connection and the rugged sensor housing protect the microelectronics during routine use in the practice.

Plug & play sensors – faster than ever
Digital intraoral radiography is now faster and much easier in two ways: The sensor calibration files are integrated in the chip which reduces installation time. Once it is plugged in, the sensor is immediately ready to use. The advantages of digital radiology are particularly evident when it comes to data availability. The images are available within seconds for diagnosis at the monitor - an immense gain in time and work quality.
High quality images in seconds – Digital radiology with XIOSPLUS and SIDEXIS XG.

XIOSPLUS is an intraoral system that offers maximum freedom and flexibility. SIDEXIS XG imaging software works with the XIOSPLUS sensors to assure high quality images. Thanks to its easy interface and reliable handling, the Sirona intraoral imaging solution works for any practice.

The perfect decision for your needs now and in the future.

Diagnostic quality thanks to leading technology

The modern APS CMOS sensor technology, the perfect combination of low image noise with optimal resolution, and the balanced, automatic pre-processing results in outstanding image quality for a wide range of diagnostic findings. The image displayed on the screen can be diagnosed immediately — a great advantage, e.g., when taking X-rays at the treatment center during a root canal treatment.

1 APS: Active Pixel Sensor

Optimal clinical efficiency with SIDEXIS XG

SIDEXIS XG radiology software simplifies diagnosis and case documentation. The tools and analytical functions of the system optimize every digital X-ray image. Drawing tools and appended findings simplify communication with patients and colleagues. Images can easily be imported and exported, and the DICOM 3 standard is supported. Only one SIDEXIS XG license is required for the entire practice and there are no extra fees.

Maximum flexibility

XIOSPLUS offers a custom-tailored intraoral sensor solution for every dental practice. The sensors can be operated with the USB module in exactly the place where they are needed or comfortably integrated into the full practice network with a wall module.

Immediate transfer to the practice network

The network-enabled wall module lets you make the most of your digital practice. The advantages are clear, as each PC in the practice network can communicate with the wall module, establish exposure readiness, and receive X-ray images. The data is centrally stored on a server and can be accessed from any PC.

Reliability in daily work routine

The LCD color display of the wall module has the option to show the patient’s name and date of birth, file or tooth number to be X-rayed. Different colors provide information about the system status. Two additional sensor symbols show whether a sensor is plugged in and ready to operate. When the wall module is not in use, it can be switched to the energy-efficient standby mode.

Functional design

The wall module allows for plugging two sensors simultaneously. This is often used in a central cabinet or pass-through application. Thanks to the integrated sensor holders, your workplace stays organized — no more annoying searches for the matching sensor.
The HELIODENTPLUS is a state-of-the-art intraoral X-ray system that meets the needs of your practice. The clinically relevant design ensures easy operation and consistent image quality.

HELIODENTPLUS AND THE XIOSPLUS
Digital X-ray for the ideal intraoral workflow.

Clear details and distinct structures of X-ray images are vital for the reliability of your diagnosis. HELIODENTPLUS works together with XIOSPLUS sensors to assure high-quality digital images. SIDEVISX software displays the images in real time—and simplifies your workflow with image processing and archiving tools that are easy to use. These optimally matched components help you achieve ideal clinical workflow in your practice.

Patient treatment acceptance
HELIODENTPLUS, Sirona XIOSPLUS sensors and SIDEVISX software enhance patient communication. Images can be taken and viewed on any PC on your office network.

Easy clinical workflow
SIDEVISX software works with the other components to simplify the handling of digital X-ray images from exposure to diagnosis to archiving. Filters, measuring tools, and analysis functions help you optimize the information from each exposure. Drawing tools and image notes simplify communication with patients and colleagues. SIDEVISX also supports panoramic X-ray units and the new GALILEOS 3D X-ray system. This platform capability makes the purchase of this software an especially cost-effective investment.

Image Examples
HELIODENTPLUS X-ray images are detailed and feature an especially high contrast range, allowing excellent detail recognition. This is made possible by the multipulse high-frequency generator.
Saves time
Intelligent user interface design leads to faster exposures by confirming system status at a glance.

Multicolor for multiple operating states
The color of the display changes according to the system’s current operating state. The four signal colors safely guide you through the exposure process:
- Blue: Neutral state, ready for exposure
- Yellow: Radiation active
- White: Cooling period, also displayed in system settings menu
- Red: An error has occurred

Remote Control
The exposure process can also be controlled from outside the X-ray room – via a control panel with integrated button or coiled cable switch. The remote station can be supplemented with a “doorbell” switch in order to comply with local and state requirements.

ROBUST QUALITY – FLEXIBLE INTEGRATION
Rely on the HELIODENTPLUS.

As one of your most used diagnosis tools, the HELIODENTPLUS is built to last. The robust arm assembly of the HELIODENTPLUS is designed for a tough workload. It is easy to move into position, and its stability is unrivaled. No matter what the physical space requires, the HELIODENTPLUS can handle it.

Ease of application in practical use
Select an exposure type based on tooth symbols for the upper and lower jaw regions. Patient symbols for children help adapt the radiation dose to lower values. Blue LEDs indicate which functions you have selected. For special exposures, the preprogrammed exposure time can be altered manually (with the + and – keys). With a simple push of a button, you can change between suitable exposure times for digital or film X-ray as well as between different kV values.

Fit everywhere
In the X-ray room or right next to the treatment center – no matter where you want to use the HELIODENTPLUS, it’s always within reach. With its three selectable support arm lengths (short, standard or long), HELIODENTPLUS also optimally fits into the available workspace directly in the treatment room, again cutting time spent on intraoral exposures!

Exact alignment
The tube assembly head is equipped with a goniometer. This gives you additional certainty regarding positioning.

Different practices – different installations
The HELIODENTPLUS can be mounted either on the wall or on stud partitions. And, if you would like to release X-ray exposures from outside the X-ray room, simply attach the remote control kit there. It comes with a 33’ shielded cable which can be routed through walls and ceilings.

Technical data on HELIODENTPLUS

<table>
<thead>
<tr>
<th>Focal spot</th>
<th>0.4 (IEC 336)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube voltage</td>
<td>Selectable between 60 kV or 70 kV</td>
</tr>
<tr>
<td>Generator</td>
<td>Multipulse High-frequency generator</td>
</tr>
<tr>
<td>Tube current</td>
<td>7 mA</td>
</tr>
<tr>
<td>Line voltage</td>
<td>120 V–240 V ± 10 %, 50–60 Hz - Regulated DC Power Supply</td>
</tr>
<tr>
<td>Exposure time</td>
<td>Selectable from 0.01 s up to 3.2 s</td>
</tr>
<tr>
<td>Detector media</td>
<td>Individually selectable, exposure tables individually adaptable</td>
</tr>
<tr>
<td>Exposure tables</td>
<td>Switchable between two presets</td>
</tr>
<tr>
<td>Display</td>
<td>Automatic sleep mode selectable</td>
</tr>
<tr>
<td>Focus-skin distance</td>
<td>Standard 8”</td>
</tr>
<tr>
<td>Focus-skin distance</td>
<td>12” - optional collimation</td>
</tr>
</tbody>
</table>

Technical information for the HELIODENTPLUS

- with long arm
- with standard arm
- with short arm
SIRONA – UNIQUE WORLDWIDE SYSTEMS EXPERTISE IN DENTAL EQUIPMENT PRODUCTS

Sirona develops and manufactures a comprehensive range of dental equipment, including CAD/CAM Systems for dental practices and laboratories, Instruments, Treatment Centers and Imaging Systems. Sirona manufactures high technology products that guarantee ease of use and a high return on investment – for the good of your practice and for the benefit of your patients.

Equipped for success. With Sirona.

For additional direct digital diagnostic imaging capabilities, ask your dental dealer about the rest of the Sirona Imaging product family.

ORTHOPHOSXG3  ORTHOPHOS XG 5  ORTHOPHOS XG3 ready  GALILEOS 3D IMAGING