Dentsply Sirona Imaging Solutions

Intraoral Imaging

dentsplysirona.com/intraoral
Let’s change dentistry together

Because at Dentsply Sirona we are driven to provide more healthy smiles by supporting dental professionals and their practices with improved patient experiences, practice efficiencies and procedural expansion through our innovative procedural solutions combined with practice support including clinical education with our people as the foundation of everything that we do.

Clinical confidence

Almost every treatment begins with a reliable diagnosis. It should be precise, yet quick and the image should be easy to capture. A high-quality X-ray with maximum clinical information allows you to feel comfortable and confident knowing that you have a clear view of the case and have everything needed for a successful treatment. Which is why our holistic product solutions offer you the right support for every situation down to the last detail for ultimate peace of mind and certainty in your diagnosis.

Smart connectivity

At Dentsply Sirona, we don’t just design individual products, we create solutions for your entire workflow. Because when your hardware and software come together in effortless cohesion, you can concentrate on what’s most important: your patient. With an optimized workflow you not only increase practice efficiency and save valuable time, you also know that you are providing your patient with the best care possible for a healthy, happy smile and a successful treatment outcome.

Exceptional experience

When designing our Dentsply Sirona Imaging Solutions we prioritize making our devices not only aesthetically and functionally successful, but also equipped to provide you with optimum clinical and diagnostic support. We want to ensure that you have equipment that you can trust and also enjoy working with.

Dental professionals trust in Dentsply Sirona

“I have used an array of sensors over the years, but with the new Schick AE sensor from Dentsply Sirona, I saw an immediate improvement in my image quality. With the advanced filtering enhancements and optimizations I am confident that I am seeing all of the clinical details needed to support an accurate diagnosis.”

Dr. Douglas M. Schulz, Leawood, KS

“In our practice we treat patients of all age ranges and it’s really important that we have the right technology and imaging tools to support this. My Schick sensors and Heliodent Plus X-ray unit allow me to adjust my equipment and settings to each unique situation and patient, while supporting my individual workflow preferences.”

Dr. Mona Patel, Whitefish Bay, WI

“The Sidexis 4 imaging software is intuitive, making it easy to manipulate images to gain greater diagnostic capabilities. The software allows us to display and process 2D, 3D, and intraoral images simultaneously, which helps both with planning and diagnosis.”

Dr. Clark Brown Jr., Melbourne, FL

“The ease of positioning means I expose better quality images for my doctors, meaning my patients are not re-exposed to additional radiation. The quality, comfort and safety of the Schick 33 sensor make it an essential tool in the provision of elevated and comprehensive patient care.”

Katrina Sanders RDH, Phoenix, AZ
Focus on exceptional image quality

Be it the sensors or X-Ray generators, the image quality from Dentsply Sirona’s intraoral imaging portfolio speaks for itself. Using the lowest dose necessary according to the ALARA* principle is just another reason why our intraoral X-rays are an excellent fit for your practice.

Through the combination of our intraoral X-ray products, from the X-ray generator to the positioning system, the benefits are endless and can take your practice to the next level.

The right solution for every workflow

Whether you’re introducing digital technology to your practice or updating an already fully digital practice, Dentsply Sirona’s intraoral products provides the opportunity to meet every dentist’s individual needs with a customized solution tailored to their practice. From a small practice with a few operatories to a large practice or clinic, all products can be configured to fit your requirements and preference. This allows for a smooth integration into your daily workflow and optimum efficiency.

AimRight Adhesive and AimRight Grip
With the AimRight positioning systems you get the ultimate support for accurate and simple image capture.

Heliodent Plus
The modularity of the X-ray generator, Heliodent Plus, enables it to adapt to your practice’s surroundings, forming the basis for optimum X-ray images and allowing quick and safe operation.

Sidexis 4
Featuring a modern user interface and intuitive tools – Sidexis 4 is the new centerpiece of the Dentsply Sirona X-ray family.

Schick AE and Schick 33
With the Schick intraoral sensors, you get X-ray images in HD quality and diagnostic-focused filter functions, in addition to a quicker and more flexible way of working.

The highest degree of flexibility

Sophisticated installation
The Heliodent Plus offers a broad range of mounting options to allow for optimal configuration in each treatment room.

Replaceable sensor cable
Multiple cable lengths and an easy-to-change cable help to provide flexibility in your workflow and extra security on your investment making sure you’re never left without a sensor.

Connectivity
The USB interface is more durable than a standard USB connection and supports optimized data transfer, ensuring your intraoral imaging is efficient and secure.

Multiple sizes
Both the imaging plates and sensors are available in multiple sizes, enabling even greater customized solutions for an enhanced patient and treatment planning experience.

*As Low As Reasonably Achievable
Schick AE

The Advanced Exposure technology of the Schick AE sensor combines the outstanding resolution of 33 lp/mm* with optimized data read-out and exclusive innovative filtering functions to maximize your diagnostic potential.

Advantages:
- Superior image quality with dedicated diagnostic filtering
- Enhanced low-dose optimized dynamic range
- Dynamic sharpening slider for individual image enhancement
- Improved USB data transfer
- Easy cable exchange

Multiple sensor sizes
Schick AE sensors are available in three different sizes:
- Size 2: Adult bitewing and single tooth images
- Size 1: Single tooth images for smaller adults, patients with a shallow palate and bitewings for larger children
- Size 0: Pediatric images

Various cable lengths
The choice of various cable lengths facilitates flexibility, regardless of the operatory size and configuration.
Options: 3 ft., 6 ft., 9 ft. cables

Clinician preferred diagnostics
Schick AE sensors offer advanced filtering enhancements in order to highlight relevant anatomical structures to support an accurate and detailed diagnosis. Low-noise images, improved visibility of details, and dedicated filtering in indications such as endodontic cases or tooth decay, provide a relevant advantage in diagnostic certainty.

Dynamic sharpening slider
To further optimize your image, you can use the dynamic sharpening slider to adjust the sharpness, with the option to also alter brightness and contrast. All it takes is a simple configuration and the images are examination ready – displayed to support your diagnosis and improve workflow efficiency.

Enhanced dynamic range
Increased sensor sensitivity and an enhanced low-dose optimized exposure spectrum allow for optimal visibility and diagnostics at reduced exposure. Underexposed images are successfully counterbalanced, granting consistent image quality and dose flexibility.

USB connectivity
The use of Schick AE sensors in combination with the new USB 3 interface allows for accelerated information read-out and optimized data transfer. Protected connection plugs provide additional durability in daily practice use.

In-office replaceable cable
In the event a cable is damaged, you can change it completely in-house within minutes. Replacing cables is as simple as loosening two screws, saving time and guaranteeing no lost productivity while protecting your investment. A spare cable is included with each Schick AE sensor purchase.

* Theoretical resolution
Schick 33

With 33 lp/mm* and a CSI scintillator, the Schick 33 sensor provides a reliable partner for any practice. High-quality images with the convenience of immediate availability on your computer for diagnosis.

Advantages:
- Premium image quality
- Dynamic sharpening slider for individual image optimization
- Easy cable exchange

Multiple sensor sizes
Schick 33 sensors are available in three different sizes:
- Size 2: Adult bitewing and single tooth images
- Size 1: Single tooth images for smaller adults, patients with a shallow palate and bitewings for larger children
- Size 0: Pediatric images

Various cable lengths
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Proven image sharpness
Outstanding image quality is just the beginning with Schick 33 intraoral sensors. The dynamic sharpening slider allows you to adjust your diagnostic settings in terms of sharpness. Additional slider options are available for modifications in brightness and contrast. After configuration, images are displayed in an efficient way to enhance your diagnostic capabilities, saving you valuable time. With just the click of your mouse, you get the right image for every treatment situation and ultimate clinical support.

Filtering enhancements
With Schick 33 sensors you have the option of five different filtering options: General Dentistry, Endodontics, Periodontics, Restorative and Hygiene. These clinically specific views are designed to optimize your diagnosis, enhancing the image to suit your needs.

Connectivity
Ideal flexibility and security with the USB 2 interface, supporting a safe and proven workflow solution.

In-office replaceable cable
In the event a cable is damaged, you can change it completely in-house and within minutes. Replacing cables is as simple as loosening two screws, saving time and guaranteeing no lost productivity while protecting your investment. A spare cable is included with each Schick 33 sensor purchase.

* Theoretical resolution
Heliodent Plus

The Heliodent Plus intraoral X-ray unit allows for optimal functionality in every practice. The modularity of its installation options and its image quality surpass every expectation.

Advantages:
- Safe and intuitive operation
- Flexibility with three optional arm lengths
- Remote functionality
- Robust quality ensuring durability and security of investment

Smart design for stable positioning and ultimate image quality

Heliodent Plus offers a 0.4 mm focal spot and vibration-free components to ideally support your workflow.

Intuitive and flexible

Significantly reduce obstacles with clear user options and numerous installation configurations, the Heliodent Plus provides a reliable partner for a truly flexible workflow - supporting the unique needs of your practice.

Sophisticated installation

Thanks to its various installation options, the Heliodent Plus can be easily adapted to fit every X-ray situation, regardless of a room’s dimensions or layout. Whether your unit is a wall model, ceiling mount, attached to the Dentsply Sirona treatment center or is a mobile unit, we provide options to support each unique workflow.

- Wall model
- Remote Control
- Remote Timer
- Manual release
- Heliodent Plus on the treatment center
- Heliodent Plus with mobile stand
- Heliodent Plus with ceiling mount
- Ceiling combination with LEDview Plus
- 20 cm standard cone
- Round cone extension, 30 cm
- Square cone extension, 30 cm
AimRight Adhesive Positioning System

Maximize comfort and convenience without adding to sensor dimensions. Used in multiple configurations, this single-use system is suitable for all patients, regardless of oral cavity size or structure.

Advantages:
- Disposable, for optimum hygiene
- Straightforward color coded system for ease of use
- Can be used with any sensor size or phosphor plate
- Supports accurate intraoral X-ray positioning for better image results

AimRight Grip Positioning System

Featuring a universal aiming ring, unique integrated arm and holder design, this system makes assembly and repeatable positioning easy and straightforward.

Advantages:
- Autoclavable for continuous support and use
- Straightforward color coded system for ease of use
- Simple assembly and disassembly in between patients
- Supports accurate intraoral X-ray positioning for better image results
SiroCam UAF Plus

Patient communication and case documentation are an integral part of your everyday workflow. With the SiroCam UAF Plus intraoral USB standalone camera, you can achieve all of this at just the touch of a button.

**Advantages:**
- Improved patient communication
- Images in HD resolution
- Sophisticated liquid lens with autofocus
- Integrated LED lighting support

**USB Connectivity**
Featuring flexible standardized USB connectivity (USB 2 or 3) to your computers and laptops, and a cable length of 2.4 m, this intraoral camera provides true portability between treatment rooms.

**Flexible software compatibility**
Seamless integration into Sidexis 4.2 and higher or freely connectable to any imaging software that supports TWAIN-capable devices.

**Applications**
- Capture intraoral images
- Capture extraoral images (e.g. smile line, full face)
- Capture macro photographs
- Real-time image streaming

**User-friendly operation**
Straightforward user operation is supported by a multi-function button, generating images in HD resolution and real-time image streaming. The integrated LED light ensures proper illumination in the area of interest.

**Durable and robust**
With an easy to wipe reinforced plastic and glass fiber surface, and hygienic single-use sheaths, disinfection and preparation in between patients can be truly efficient.
Sidexis 4 software

The modern and highly intuitive imaging software supports clear diagnosis. With its award-winning user interface, Sidexis 4 promotes an accessible workspace and clear navigation, saving valuable practice time and allowing for optimal patient communication.

Sidexis 4 offers a completely new, updated look. Beyond the impressive aesthetics, it boasts an intuitive operating approach and clear design. The new Timeline function also offers you an easy-to-navigate patient diagnosis and treatment history.

Sidexis 4 compares two CBCT images or up to four 2D images simultaneously. For example, you can navigate through both volumes at the same time, obtain cross-comparisons at a glance and provide clear patient communication and case presentation.

Simplify your digital workflow

Even the best hardware is only truly optimized when paired with the proper software solution. Schick sensors and Sidexis 4 seamlessly integrate to provide ultimate diagnostic support in your practice. With tools such as the dynamic sharpening slider and the clinically specific enhanced filtering options, your images are ready to support your treatment evaluation.

Integrated Workflows

Sidexis 4 can be easily integrated into your practice and intuitively operated. The software also offers additional possibilities beyond image diagnosis, keeping your practice equipped for growth and opportunity.

Modern, intuitive design

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Seamless 2D/3D

With Sidexis 4, you can view 2D and 3D data simultaneously side by side without switching between programs. This saves you valuable time and cross-comparisons provide you with increased confidence in your final diagnosis and treatment plan.

Compare

Sidexis 4 compares two CBCT images or up to four 2D images simultaneously. For example, you can navigate through both volumes at the same time, obtain cross-comparisons at a glance and provide clear patient communication and case presentation.

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Technical data

**Schick AE**

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<thead>
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<th>Sensor</th>
<th>Active surface</th>
<th>Overall dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>18 mm x 24 mm</td>
<td>23.6 mm x 32 mm x 7.5 mm</td>
</tr>
<tr>
<td>1</td>
<td>20 mm x 30 mm</td>
<td></td>
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**Schick 33**

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**SiroCam UAF Plus**

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<tr>
<th>Equipment compatibility</th>
<th>Computer/Laptops with USB 2 (USB 3) interface</th>
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<tbody>
<tr>
<td>Sensor technology</td>
<td>1/4 inch CMOS</td>
</tr>
<tr>
<td>Saved image resolution</td>
<td>1276 pixels x 796 pixels</td>
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<tr>
<td>Video resolution</td>
<td>824 pixels x 514 pixels</td>
</tr>
<tr>
<td>Magnification max</td>
<td>x250</td>
</tr>
<tr>
<td>Lens</td>
<td>Autofocus</td>
</tr>
<tr>
<td>Power supply</td>
<td>USB (5V)</td>
</tr>
<tr>
<td>Activation</td>
<td>Multi-function button operation</td>
</tr>
<tr>
<td>Multi station use</td>
<td>Plug &amp; Play</td>
</tr>
<tr>
<td>Camera weight</td>
<td>210 g with cable</td>
</tr>
<tr>
<td>Camera length</td>
<td>195 mm</td>
</tr>
<tr>
<td>Light</td>
<td>LED</td>
</tr>
<tr>
<td>Cable length</td>
<td>8 ft.</td>
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**PC Requirements**

**Requirements for Sidexis 4**

Specification for one server and an unlimited number of workstations.

<table>
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<tr>
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<th>Min. for 3D Workstation</th>
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<td>Min. for 3D Workstation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Windows 8.1 Pro (64 bit)</td>
<td>Windows 10 Pro (64 bit)</td>
</tr>
<tr>
<td>CPU</td>
<td>≥ 2.3 GHz QuadCore Processor with 64 bit (x64)</td>
<td>≥ 2 GHz DualCore Processor with 64 bit (x64)</td>
</tr>
<tr>
<td>RAM</td>
<td>≥ 8 GB</td>
<td>≥ 4 GB</td>
</tr>
<tr>
<td>Graphic card</td>
<td>any</td>
<td>any</td>
</tr>
<tr>
<td>DirectX</td>
<td>DirectX 10 with WDDM 1.0 or higher driver</td>
<td>DirectX 9.0c</td>
</tr>
</tbody>
</table>

* For 64-bit operating systems, installations under Boot Camp is also approved.

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* Exact dimensions of installation in the installation requirements