

# 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



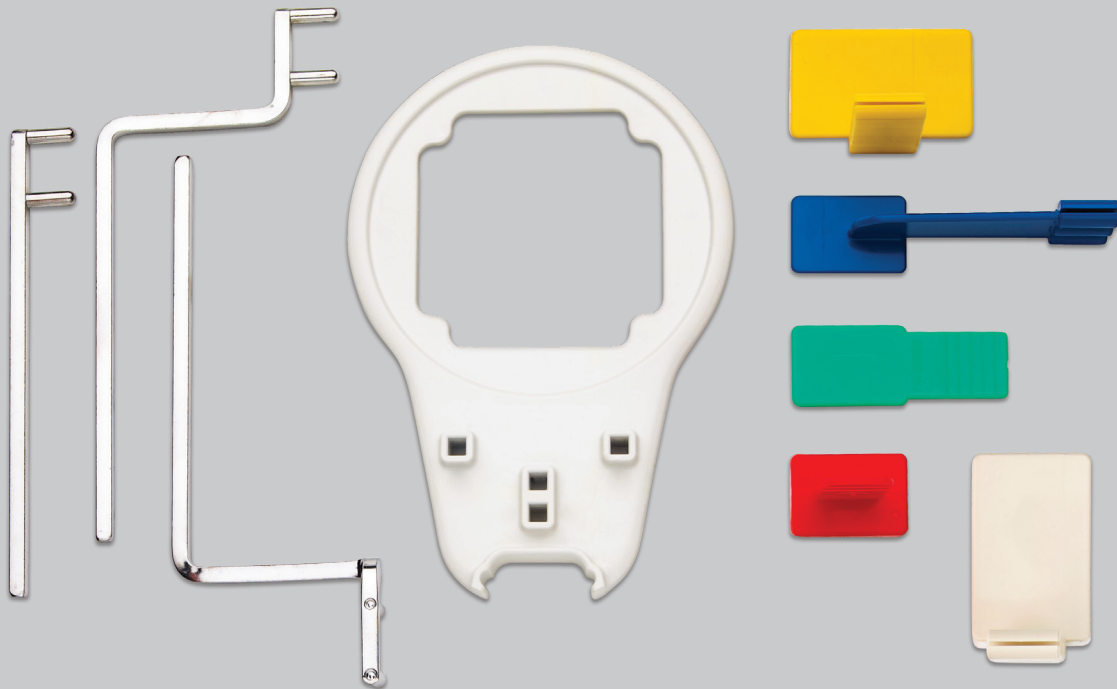
Square cone extension, 30 cm



Configure your Heliodent Plus at:  
[www.heliodentconfigurator.com](http://www.heliodentconfigurator.com)

# 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 lense 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.

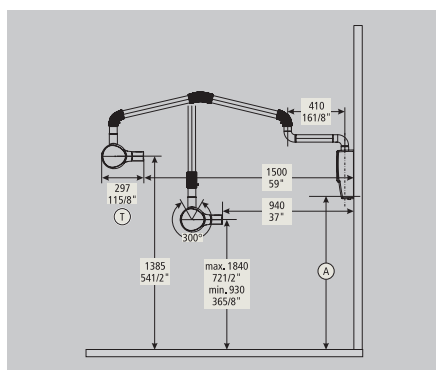
## Durable and robust

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.

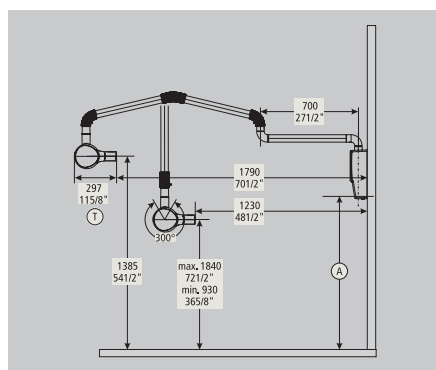


# Technical data

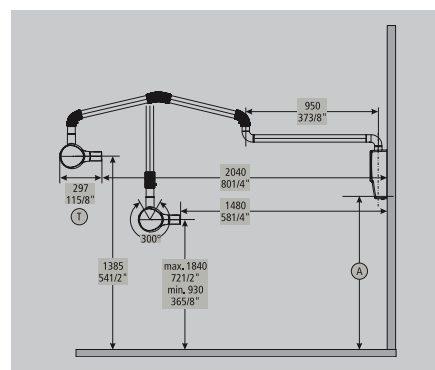
Heliodent Plus	
Generator type	High-frequency generator for constant high voltage
Tube voltage	Adjustable between 60 kV and 70 kV
Tube current	7 mA
Focal spot	0.4 (IEC 336)
Line voltage	120–240 V $\pm$ 10 % without switching, 50/60 Hz
Exposure time	Incrementally adjustable from 0.01 to 3.2 s
Detector media	Preset for film and Schick AE and Schick 33 sensors, exposure times can be individually adjusted, also for imaging plates and other sensor systems
Display	Multicolored display to show the different system states
Focus-to-skin distance	Standard 20 cm, optional 30 cm
Available installation options	Wall-mounted installation with three arm lengths, model mounted on treatment center, installation with manual release, remote control or remote timer, ceiling model, ceiling combination with LEDview, mobile model



Heliodent Plus, medium support arm\*



Heliodent Plus, long support arm\*



Heliodent Plus, extra long support arm\*

Schick AE	
Sensors	
Sensor 0: Active surface	18 mm x 24 mm
Sensor 0: Overall dimensions	23.6 mm x 32 mm x 7.5 mm
Sensor 1: Active surface	20 mm x 30 mm
Sensor 1: Overall dimensions	25.4 mm x 38.3 mm x 7.5 mm
Sensor 2: Active surface	25.6 mm x 36 mm
Sensor 2: Overall dimensions	31.2 mm x 43 mm x 7.5 mm
Physical pixel size	15 $\mu$
Measured resolution	28 lp/mm
Theoretical resolution	33 lp/mm
Sensor cable length	3 ft., 6 ft. and 9 ft.
USB interface	
USB port of USB interface	USB 3
Power supply	USB port

Schick 33	
Sensors	
Sensor 0: Active surface	18 mm x 24 mm
Sensor 0: Overall dimensions	23.6 mm x 32 mm x 7.5 mm
Sensor 1: Active surface	20 mm x 30 mm
Sensor 1: Overall dimensions	25.4 mm x 38.3 mm x 7.5 mm
Sensor 2: Active surface	25.6 mm x 36 mm
Sensor 2: Overall dimensions	31.2 mm x 43 mm x 7.5 mm
Physical pixel size	15 $\mu$
Measured resolution	28 lp/mm
Theoretical resolution	33 lp/mm
Sensor cable length	3 ft., 6 ft. and 9 ft.
USB interface	
USB port of USB interface	USB 2
Power supply	USB port

\* Exact dimensions of installation in the installation requirements

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

## PC requirements Sidexis 4\*

Server PC	Minimum requirements	Recommended requirements
Operating system	<ul style="list-style-type: none"> <li>• Windows Server 2008 R2 (64bit)</li> <li>• Windows Server 2012 R2 (64bit)</li> <li>• Windows 7 Pro SP1 (64bit)</li> <li>• Windows 8.1 Pro (64bit)</li> <li>• Windows 10 Pro (64bit)*</li> </ul> * Version 1607, Build: 14393.693	<ul style="list-style-type: none"> <li>• Windows Server 2008 R2 (64 bit)</li> <li>• Windows Server 2012 R2 (64 bit)</li> </ul>
RAM	≥ 4 GB	≥ 8 GB
CPU	≥ 2 GHz DualCore	≥ 2.3 GHz QuadCore prozessor with 64 bit (x64)
Hard Drive	> 675 GB	> 1 TB
During operation it must be ensured that there is always sufficient hard disk space available.		

Work station PC	min. req. for 2D station	min. req. for 3D station
Operating system	<ul style="list-style-type: none"> <li>• Windows 7 Pro SP1 (32 o. 64bit)</li> <li>• Windows 8.1 Pro (64bit)</li> <li>• Windows 10 Pro (64bit)*</li> </ul> * Version 1607, Build: 14393.693	<ul style="list-style-type: none"> <li>• Windows 7 Professional, Ultimate (64 bit), also under Bootcamp;</li> <li>• Windows 8 Pro (64 bit)</li> <li>• Windows 8.1 Pro (64 bit)</li> </ul>
RAM	≥ 4 GB	≥ 8 GB
CPU	≥ 2 GHz DualCore	≥ 2.3 GHz QuadCore Processor with 64 bit (x64)
Graphics memory**	≥ 512 MB	≥ 1GB
DirectX	DirectX 9.0c	DirectX 10 with WDDM 1.0 or higher driver
Hard drive	≥ 5 GB	≥ 5 GB

\* More information at [www.dentsplysirona.com](http://www.dentsplysirona.com) under imaging system requirements.  
System requirements of the hardware used may vary.

\*\* For the interaction with the 3D-rendered volume to be reliable and "smooth", graphics cards with at least the following Passmark GPU benchmark values are recommended: NVIDIA: Passmark > 1000; AMD: Passmark > 1500; Onboard: > 540



## **Dentsply Sirona**

Dentsply Sirona Academy  
13320-B, Ballantyne Corporate Pl, Charlotte, NC 28277, USA

## **Procedural Solutions**

Preventive  
Restorative  
Orthodontics  
Endodontics  
Implants  
Prosthetics

## **Enabling Technologies**

CAD/CAM  
Imaging  
Treatment Centers  
Instruments