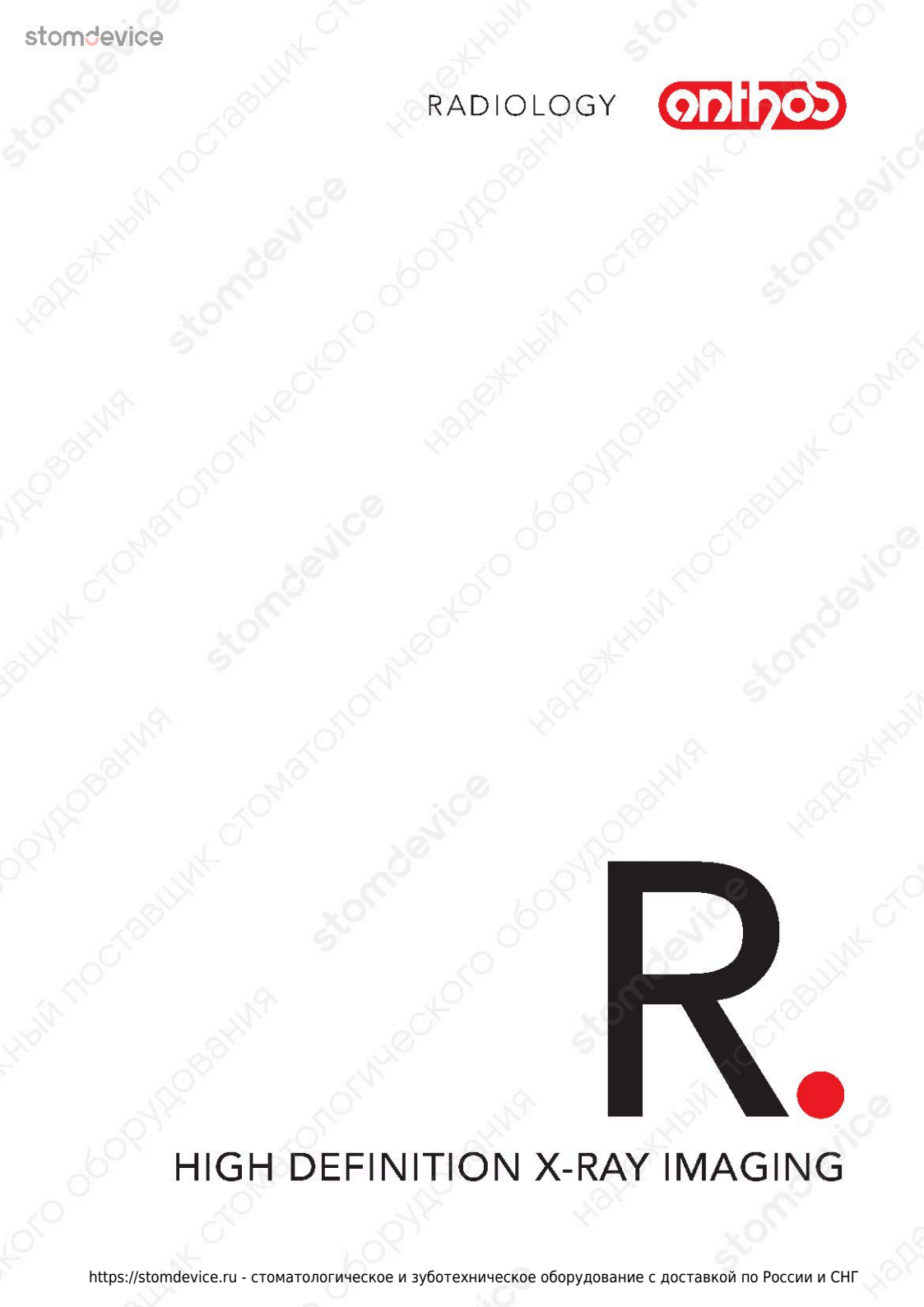
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RADIOLOGY



HIGH DEFINITION X-RAY IMAGING

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We've designed and built the instruments your surgery's been waiting for: practical, high definition, ergonomic and versatile. Instruments that make work easier and more professional, that improve dentist-patient relations thanks to immediate diagnosis and real-time high definition imaging.
Solutions that adapt to the dentist's work, boosting the surgery's diagnostic capabilities and improving the quality of the work provided.

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RXDC efficiency stems from a combination of advanced technology and an outstanding capacity to produce high definition images.
The RXDC X-ray unit provides top-flight performance, practicality and technology. The RXDC features a constant potential high frequency (DC) generator and a very small focal spot (0.4 mm) capable of providing sharp, detailed images while ensuring working comfort and low doses for the patient.

Higher performance with RXDC, the X-ray unit that combines high definition imaging, ergonomic design and low X-ray doses.



User-friendly control
A practical, user-friendly handheld unit, designed for immediate, precise X-ray image acquisition, allows easy selection of the most suitable programme.
Moreover, it allows users to control the exact emitted dose and the tube temperature via the sequential exposure graph.

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Maximum precision

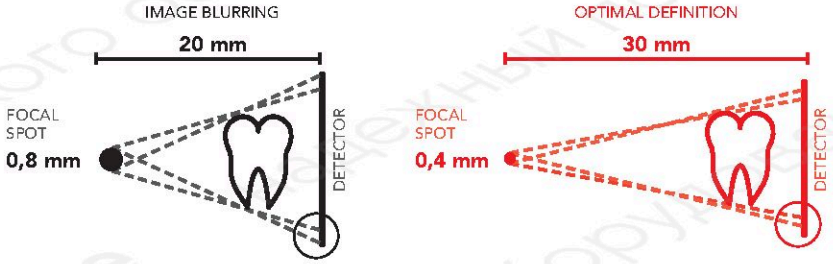
Focal spot 0.4 mm and power 70 kV / 8 mA, high-frequency constant potential generator. Cutting-edge technology for extremely detailed images. The RXDC is extremely reliable: constant-potential design ensures image generation is unaffected by power fluctuations.

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Higher performance and maximum ergonomics. Thanks to the protractor with graduated scale, positioning of the arms and the head is stable, effective and fully adaptable to your work. Consists of extruded aluminium arms with an integrated self-balancing system that allows them to be pointed in 6 directions - available in the following lengths: 40, 60 and 90 cm to make installation as simple as possible.



Increased X-ray parallelism and an incorporated collimator allow the RXDC to achieve a source-to-skin gap of 30 cm. The RXDC provides pin-sharp, precise images with outstanding detail.



The RXDC can also be set up with shutters and a rectangular collimator (optional) to define the body area that will be exposed and so reduce the received dose.
Maximum attention to staff and patient health, while ensuring sharp, high definition image quality.



Extremely practical and versatile, the RXDC can be used together with any type of sensor. Featuring 28 levels of sensitivity, it ensures sharp images in any situation.

Infinite mobility
We've designed the RXDC to maximise mobility; a practical trolley allows the X-ray unit to be moved anywhere in the surgery.

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The X-VS intraoral sensor offers extraordinary performance, practical ergonomics and high technology, offering a perfect balance between comfort and cutting-edge technology.
The X-VS is impact and dust-resistant, is certified IP67 (water-resistant) and can be used with all X-ray systems.

Real-time diagnostics

We've built a practical, ergonomic sensor that improves both patient comfort and staff-patient relations.
It generates high definition real-time images, allowing staff to remain alongside the patient at all times.

Total synergy

The X-VS means real-time diagnostics, direct USB plug-and-play connection, high definition and immediate results. The X-VS uses iRYS, the all-in-one software ideal for diagnostics, communication and management of intraoral imaging: perfect for storing, managing and printing images in perfect synchronism with any other devices already in the surgery.



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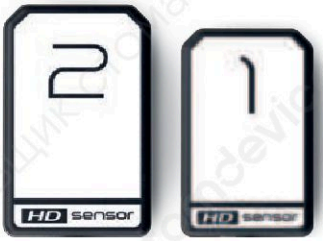
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Innovative ergonomics

Ergonomic design, rounded corners and a flexible lead make the X-VS a practical, ergonomic and intelligent sensor. This speeds up the work and makes it more practical, maximising patient comfort.

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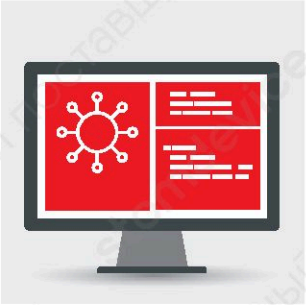
Made-to-measure diagnostics
Available in two sizes for maximum adaptability to the dimensions of the patient's oral cavity. Excellent working comfort and positioning, ensured by ergonomic sensors with rounded corners.



Designed to adapt perfectly to the anatomy of the oral cavity, the X-VS maximises both the active area and positioning comfort. Ergonomic positioners ensure optimal sensor placement. Made of extremely hard-wearing materials of the highest quality, it is compatible with available X-ray generators.



The X-VS maintains a perfect combination of first-rate comfort and cutting-edge technology Patient comfort is ensured by ergonomics and automatic acquisition, thanks to which there is immediate diagnosis: it also allows the dentist/assistant to remain alongside the patient, giving interruption-free work.



With X-VS there is immediate display of the acquired images plus fast, simple sharing, communication and storage; in short, the perfect work flow.
Following acquisition, images are loaded directly onto the PC. From here they can be consulted, printed and shared via the iPad app or a free image viewer

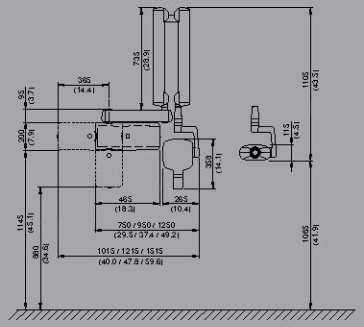
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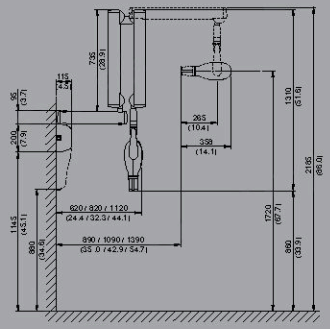


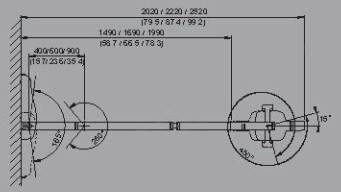
Four-layer sensor, Caesium Iodide scintillator with column-like micro-structures that preserve image quality; intercepts the X-ray beam and converts it into visible light. The Fibre Optics Plate collimates the radiation onto the sensor and protects it against X-ray penetration.
The CMOS acquisition device and the electronics convert the light into a high definition digital image.

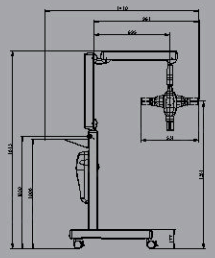
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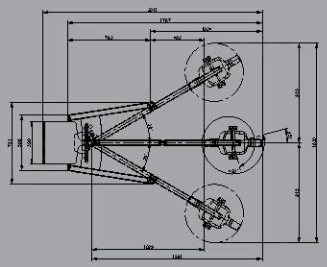
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TECHNICAL CHARACTERISTICS

X-VS Sensor	Size 1 - Regular	Size 2 - Large
External dimensions (mm)	38.9 x 24.9	41.9 x 30.4
Thickness (mm)	5.3	5.7
Pixel matrix	1500 x 1000	1700 x 1300
Pixel size (µm)	20	20
Maximum resolution (lp/mm)	25	25
Grey levels depth	14-bit acquisition - 16384 maximum grey levels	
Scintillator technology	CsI (Cesium Iodide) with micro-columnar structure	
Direct exposure protection	FOP (Fibre Optics Plate)	
Protection rating	IP 67 (Guaranteed against liquid or dust infiltration)	
Compatibility with X-ray generators	Any AC or DC technology X-ray generator with kV values in the 60-70 kV range and precision control of exposure times	
Connectivity	Direct USB to PC	
Acquisition software (for PC)	iCapture with TWAIN interface	
Image management software (for PC)	iRYS (for PC) with DICOM 3.0 interface with free viewer and APP for iPAD	
Minimum system requisites		
Supported operating systems	Microsoft® Windows® 7 (SP1) - 8 - 8.1 Professional (64 bit recommended); Microsoft® Windows® 10 Professional 64 bit	
Display settings	1280 x 1024; 1344 x 768 or greater, 16 million colours	
Port	USB 2.0 or subsequent	
Power supply	5 VDC, 500 mA (via USB)	

RXDC X-ray unit	
Generator	Constant potential, microprocessor-controlled
Working frequency	145 ÷ 230 KHz with self-adjustment (typically 175 KHz)
Focal spot	0.4 mm (IEC 336)
Total filtration	2.0 mm Al @ 70kV
Anode current	4 / 8 mA
Voltage at X-ray tube	60 / 65 / 70 kV (*)
Exposure times	0.020 – 1.000 seconds, R'10 and R'20 scale
Source-skin distance	20 and 30 cm
Irradiated field	Ø 55 mm and Ø 60 mm round
Additional collimators	35 x 45 mm rectangular, 31 x 41 mm and 22 x 35 mm, for sensors size 2 and size 1
Power supply	50/60 Hz, 115-120Vac ±10% or 230-240Vac ±10%
Duty Cycle	Continuous operation with self-adjustment up to 1s/90s total
Arms (for Standard version only)	Available in 3 lengths: 40 cm – 60 cm – 90 cm
Max. arm extension	230 cm, from wall
Certification	CE 0051, FDA approved
Versions	Standard (wall mounted) or Mobile (on portable cart)

(*) values depend on the country where the product is marketed.

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Due to our policy of constant technological upgrading, the technical specifications may be subject to change without prior notice. According to the regulations in force, some products and/or features may have different availability and characteristics in areas outside of the European Union. Please contact your local distributor.

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