RAY OF SOLUTIONS



Hyperion X9pro

FullView

EN

Hyperion X9pro FullView

4-in-1 imaging system

MyRay continues its redesign of the entire CBCT line, with new, even smarter features for its 4 in 1 imaging system, Hyperion X9pro.



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THE 4 IN 1 DESIGNED FOR THE FUTURE

Perfect for ultra-high quality 2D and 3D scans with very low doses.

- Modern, minimal, modular design
- Detail-rich 2D images
- 3D panel with high resolution
- Digital Portrait function for ever-more precise diagnoses
- Wide choice of FOVs with the configurations available to the specialist
- System easily integrated with CEPH arm
- User-friendly software can also be used on the 10" panel
- Better dentist-patient communication

Powerful, reliable, simple.

REACH A NEW LEVEL







Digital Portrait

Realistic, detailed 3D images of the face and dentofacial structures with the new Digital Portrait feature. Obtained without emitting X-rays, these images let you view the proportions and asymmetries of the face and can be superimposed on X-ray scans.
By combining different sources of diagnostic information, Digital Portrait reduces the number of appointments required. Capture the image in just a few seconds, process and analyse the case with Neowise software, get more complete diagnoses, more accurate predictions of post-treatment aesthetic changes – especially important in orthodontics and maxillofacial surgery – and improve the patient's understanding.

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Interactive Reality View

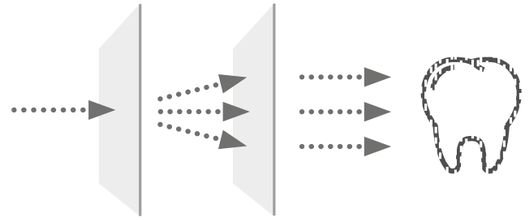
The dual camera system and intercom ensure correct scan positioning and remote patient monitoring via the PC. By acting directly on the patient's face, the selected scan type can be adapted to their morphological characteristics, ensuring accurate diagnosis.



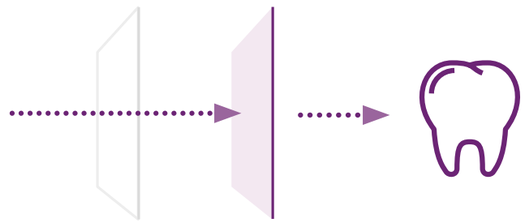
Direct Conversion Sensor

DC^{III} Direct Conversion sensors provide exceptional high-contrast image quality at doses lower than those needed for standard panoramic or cephalometric scans. This technology processes X-rays directly, ensuring fine detail even with the QuickPAN and QuickCEPH rapid scan protocols.

STANDARD CONVERSION SENSOR



DIRECT CONVERSION SENSOR



Improved 3D panel

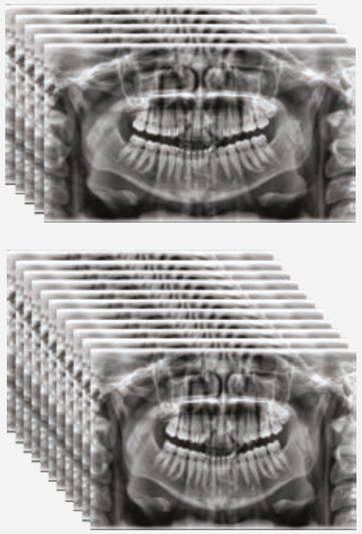
Hyperion X9pro provides more detailed, accurate acquisitions: a must for guided surgery, prosthetic design, endodontic studies and implantology.

Minute details, such as variations of dental roots, canal fractures, or bone anomalies, allow precise diagnosis, leading to better treatment planning/ monitoring for maximum patient care.



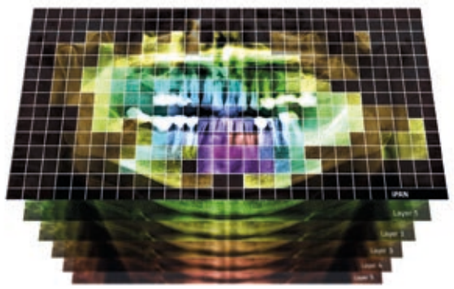
MULTIPAN SuperHD

Hyperion X9pro provides clear, detailed panoramic images at all times.
With just a single scan, the exclusive MultiPAN function generates - with X-ray exposure times/doses on a par with those of traditional panoramic imaging - 5 (or up to 11 with DC[III] technology) focusing layers from which to select the one that best suits your diagnostic needs.



iPAN function (Focus-Free)

Allows you to automatically obtain a single panoramic image by merging the layers generated with the MultiPAN function and selecting the most in-focus portions of each of them.



Head support and bites

The new ergonomic head support adapts to the patient's head shape and, together with the two supplied bites, ensures proper positioning of the arches, a high-quality final result and diagnostic consistency, even with edentulous persons, children or patients without incisors.
Laser beams let users perform direct, precise, on-patient selection of the most suitable FOV height or check whether the selected FOV is suitable prior to exposure.



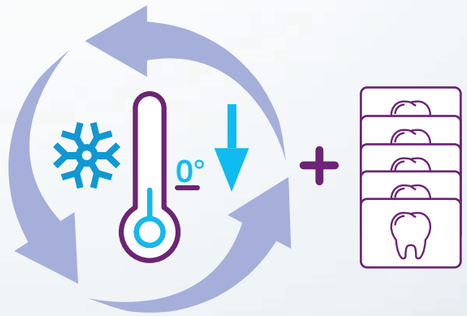
Smart lighting system

Gives your practice a distinctive atmosphere and shows device status at all times throughout all stages of the scan.



Integrated cooling system

Greatly increases the number of scans you can perform each working day, ensuring images remain accurate and high-quality.



A NEW LEVEL OF 3D



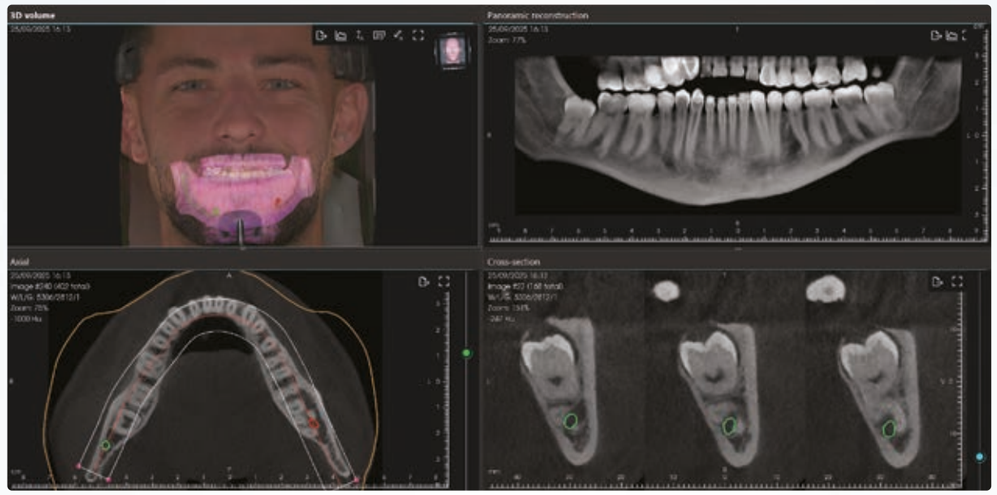
Hyperion X9pro provides a full range of 3D scans with fields of view (FOV) optimised to meet every clinical need. Advanced technology allows the device to deliver high-resolution, 3D images, perfect for accurate diagnoses in the dental and maxillofacial fields.
Being able to select the most suitable FOV according to each patient's specific needs ensures the practice can count on maximum X-ray imaging performance.

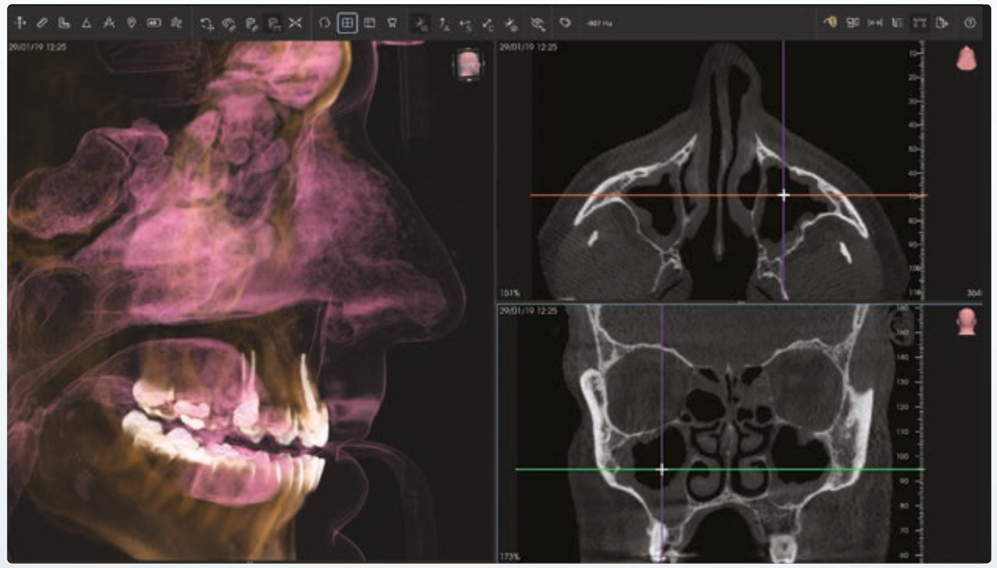
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13x10 configuration

A wide variety of FOVs for diagnoses in endodontics, implantology, orthodontics and general dentistry.

- FOV: 6x6; 8x6; 8x8; 10x6; 10x10; 11x8; 13x6; 13x10

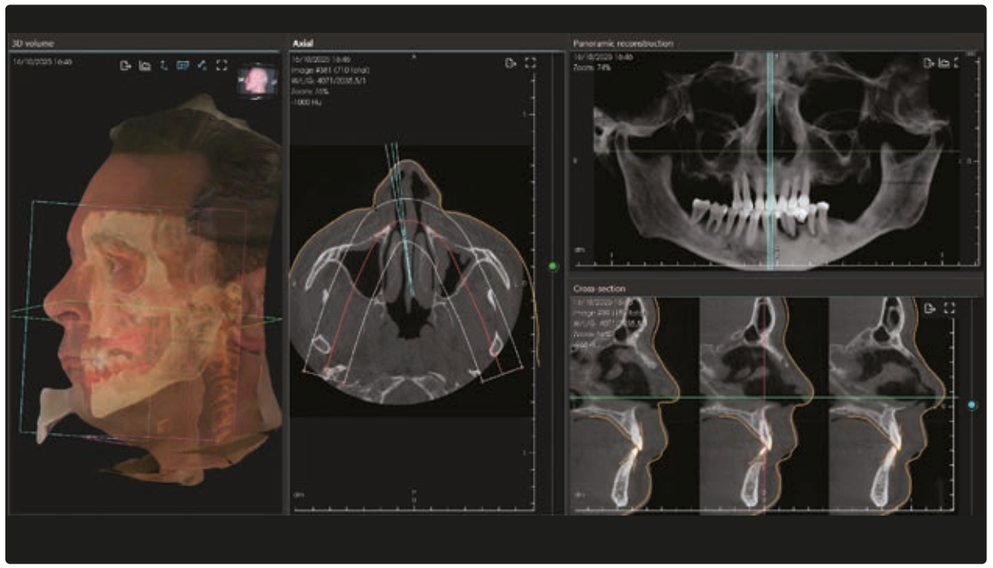


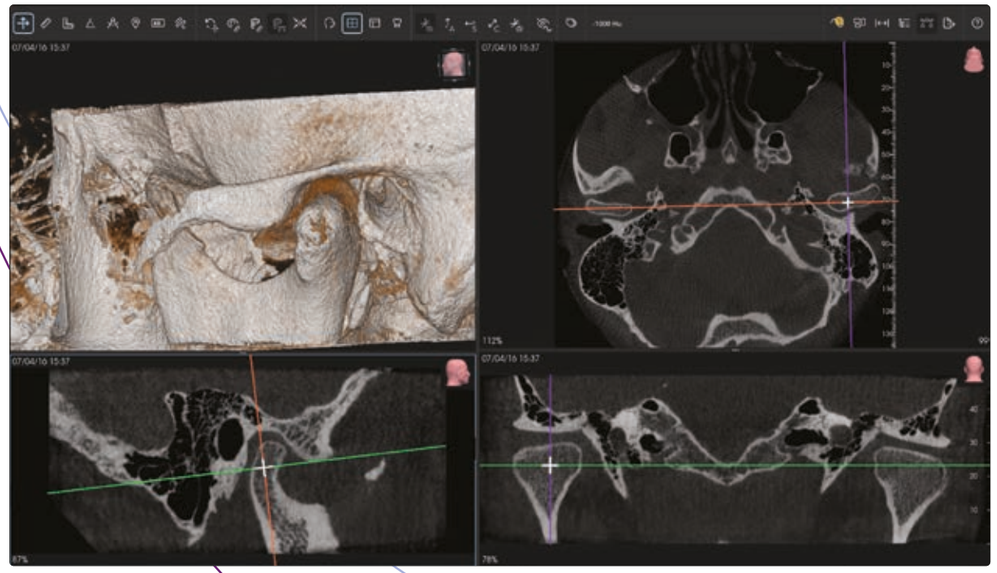


15x16 configuration

In combination with the 13x10 configuration, allows practitioners to extend 3D scan applications to the gnathology, otorhinolaryngology and maxillofacial area, including scans of both adult temporomandibular joints.

- FOV: 13x16; 15x6; 15x8; 15x10; 15x16

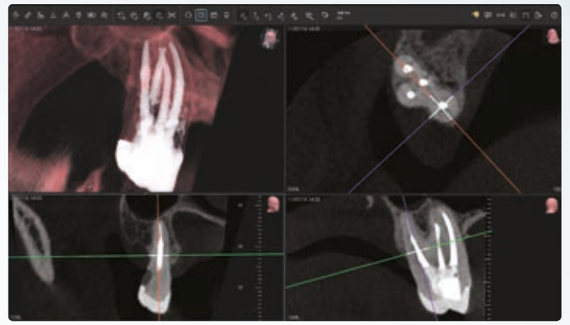




ENDO PACK

Optional specific pack for endodontic and implantology analysys at masimum resolution, reaching 50 µm (Voxel). Limits the irradiated aera, thus minimizing the emitted dose, most importantly with paediatric patients. Can be paired with the following FOVs 13x10 or 15x16.

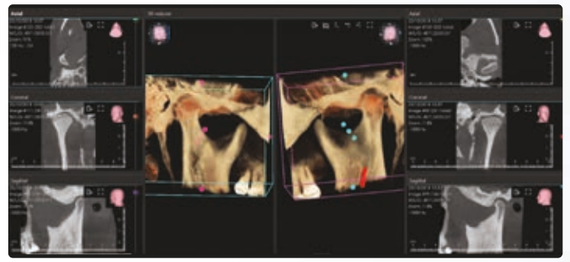
- FOV: 4x4; 5x4



TMJ PACK

Optional pack intended for detailed, high-resolution diagnosis of both temporomandibular joints or bilateral examination of the ears and petrous bones. Can be paired with FOV 13x10.

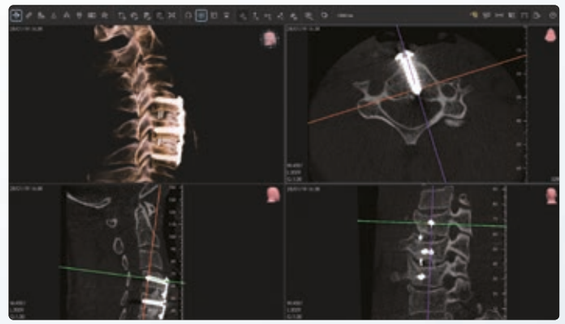
- FOV: 15x6; 15x10



CERVICAL & EAR PACK

Optional package that allows high-definition imaging of the inner ear and petrous bones, plus any dysplastic, inflammatory or trauma-related pathologies affecting the cervical spine. Can be paired with FOV 15x16.

- FOV: 7x6; 9x9; 9x16





Standard panoramic image

Allows a complete, accurate view of the dental arches, maxillary sinuses and temporomandibular joints. In ORTHO mode it minimises overlapping of adjacent tooth elements for improved periodontal scans.



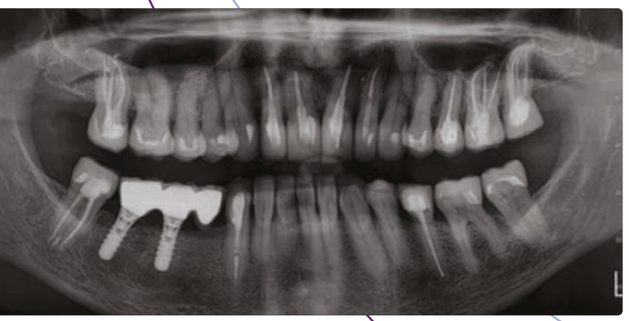
DC^{III} panoramic imaging

Innovative DC^{III} technology, which improves depth of field and increases contrast and image resolution, lets you capture even greater detail and is particularly useful in the case of complex morphologies.



Paediatric panoramic image

Panoramic imaging FOV and exposure are adapted to the build of paediatric patients reducing exposure..

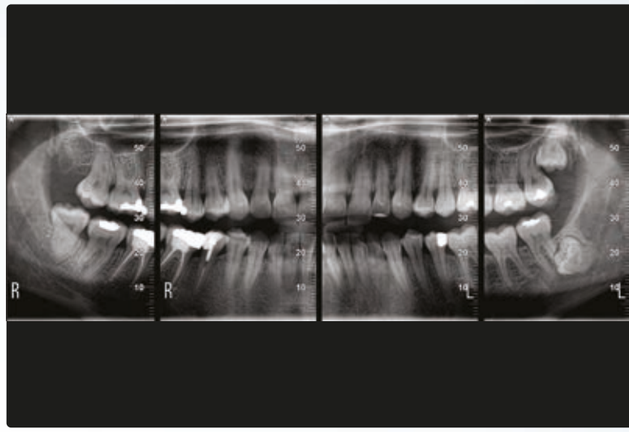


Complete dentition

Provides clear, detailed images that are limited to the dentition area, in whole or in part: their orthogonality and definition are perfect for periodontal assessments.

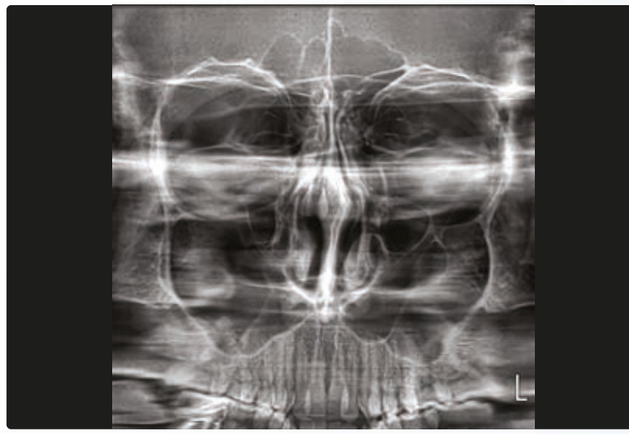
Bitewing projections

Investigations limited to crowns, thanks to dedicated trajectories: high resolution and a low dose provide a sound alternative to intraoral images thanks to reduced invasiveness and greater patient comfort.



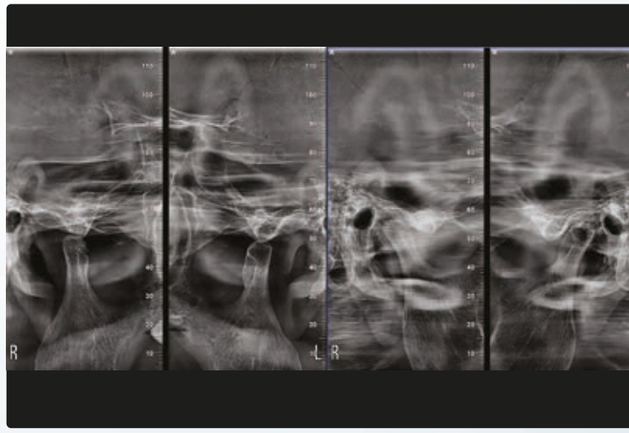
Maxillary sinuses

In frontal, right and left lateral views, with optimised trajectory, for comprehensive assessment of maxillary sinus health.



Temporomandibular joints

Available views: right and left, with open or closed mouth, and in latero-lateral and postero-anterior projections with multi-angle projection.



STANDARD HD TELERADIOGRAPHY

Lateral skull teleradiography

Scan that shows bone structures in detail and highlights soft tissues, providing essential data for cephalometric studies.



Image not captured by device

Frontal skull teleradiography

A frontal-view image of the patient's maxillofacial area that allows investigation of any asymmetries and malocclusions.



SuperHD teleradiography (DC^{III})

Provides images of exceptional quality with higher contrast and lower doses/times than standard cephalometric scans. Furthermore, extreme sensor sensitivity lets you perform very fast QuickCEPH scans, perfect for post-operative checks or paediatric examinations.



Carpal

Allows you to view the carpal bones of the non-dominant hand: typically used to assess residual growth. Available with dedicated support.





YOU NEW DIGITAL ASSISTANT

Neowise imaging software is designed around you and your patients. It allows you to manage/process 2D and 3D images, letting you make accurate diagnoses and streamline communication with the patient. Simple and effective, with advanced diagnostic/planning tools and filters.



NEOWISE

Optimised workflow
Automating processes such as image segmentation and classification will cut operating time, making your practice more efficient.

Real-time 3D rendering
Advanced rendering algorithms allow real-time display and management of 3D images for consistently detailed diagnosis.

Smooth communication with patients
Advanced diagnostic tools make it easier to explain treatment plans to patients, improving their understanding and level of engagement.

Simulations of analysis and clinical treatment
This function can be used to view the expected outcomes of practices such as implant positioning; for example, it allows assessment of the insertion angle and can predict aesthetic results with dental crowns.

User-friendly interface
Designed to improve the user experience and reduce learning times.
Using the various functions has never been easier or more personalised.

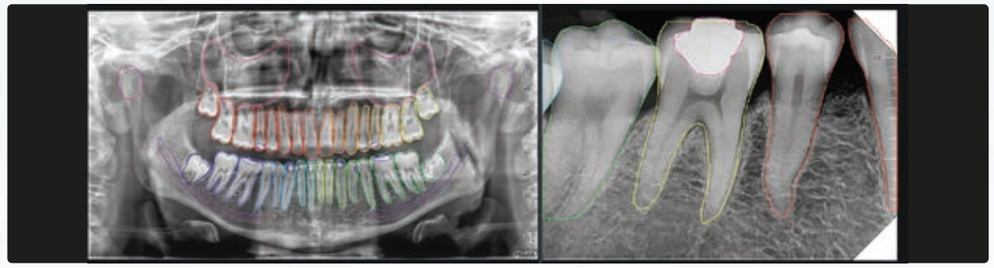
Centralised image management
Access all patient scans quickly via a single interface to simplify consultation and streamline cooperation between teams from different departments.

Multi-image support
The software lets you view and compare 2D and 3D images simultaneously, making it easier to compare clinical information and improve diagnostic capacity.

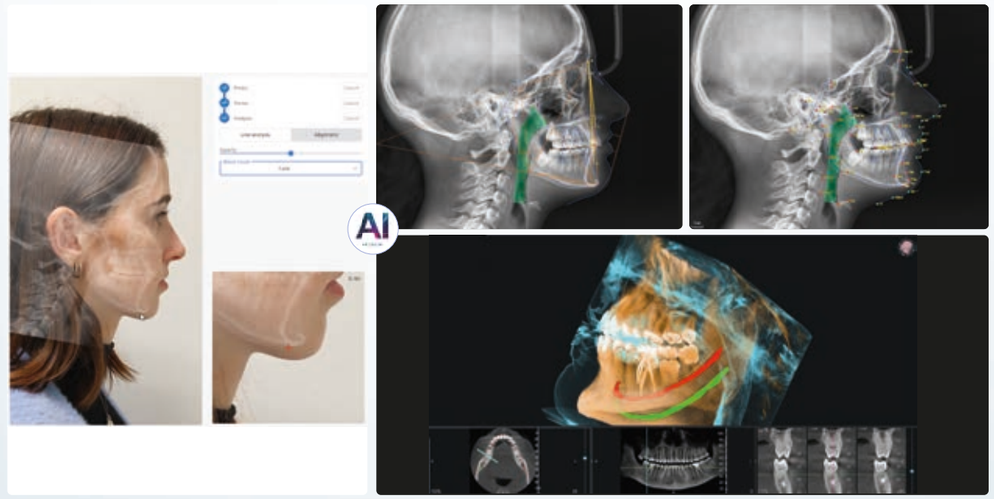
Guaranteed compatibility
Key communication protocols such as DICOM, RIS/PACS and TWAIN are supported, ensuring secure transmission and storage of medical images.

CLINICAL INNOVATION AT YOUR SERVICE

Neowise integrates automated AI-powered features that improve diagnoses, raise operational efficiency and make treatment more personalised for each patient, making your work more precise and finely targeted than ever.



- 2D and 3D Data Classification
- Anatomical and pathological analysis for 2D intraoral and panoramic scans
- Segmentation of 3D anatomical structures
- Detection of panoramic curves on CBCT scans
- Identification of inferior alveolar nerve in volumetric scans
- Alignment and combination of CBCT scans with optical impressions
- Detection of cephalometric points and creation of tracings
- Airway identification in cephalometry for the diagnosis of OSAS pathologies
- Alignment of latero-lateral teleradiography with photo of patient
- Smile Design module to simulate aesthetic treatments in frontal sectors

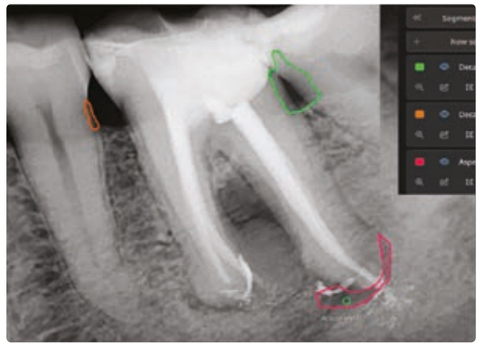


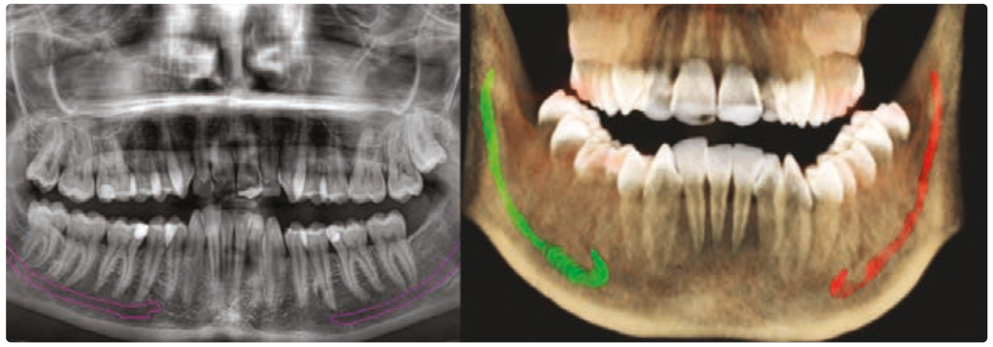
2D VIEWER

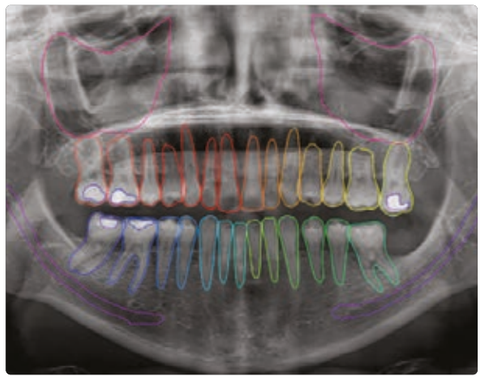
Lets users simultaneously view and compare multiple 2D and 3D images of any type compatible with the viewer. Streamlines comparison of clinical information and enhances diagnostic capacity.

Powerful AI tools, such as patented anatomical and pathological segmentation for both panoramic images and intraoral X-rays, provide valuable support for clinical analyses.









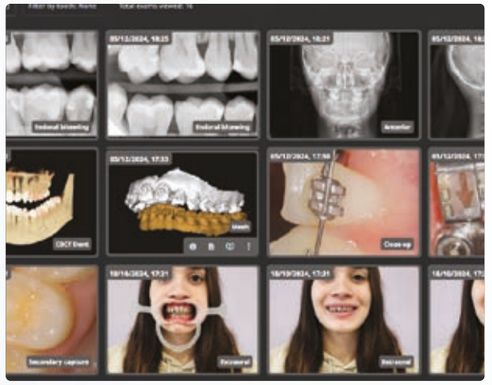
3D VIEWER

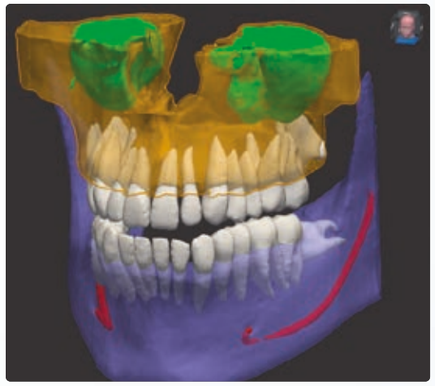
Advanced 3D display system that integrates CBCT, Digital Portrait and intraoral scans, with specialised views for endodontics, implantology and temporomandibular joint analysis.

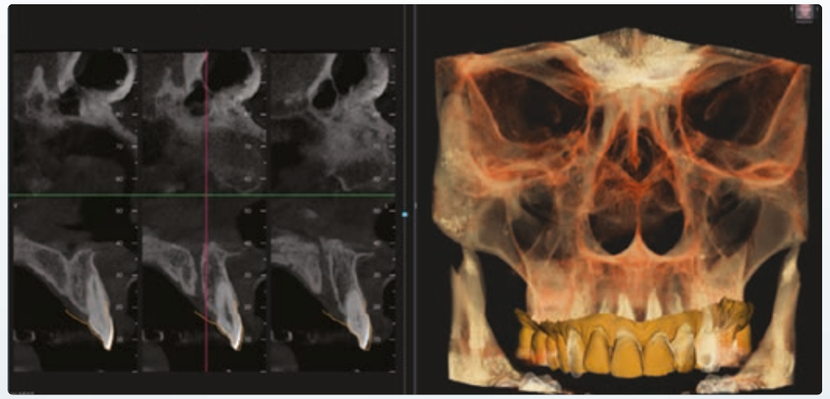
Segmentation tools to create models, trace root canals, place implants and simulate dental crowns.

An AI-powered practice optimises in-practice workflows with cutting-edge functions: tracing of the mandibular nerve and the panoramic arch, automatic matching of intraoral scan and CBCT, and segmentation of anatomical elements in CBCT.









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OPTIMISES YOUR WORK

Data import

Automatically import scans and images from iRYS and the other main dental imaging software tools.

01

Database management

Create patient records with the utmost ease and security to ensure clear, accessible consultation at all times.

02

User profiling

Customise permissions and functions according to the role and preferences of the various users in your practice.

03

Device configuration

View and configure all devices registered and enabled on your workstation according to your needs.

04

Image processing

Maximise the user experience thanks to the user-friendly tools menu and a range of views designed to match your clinical needs.

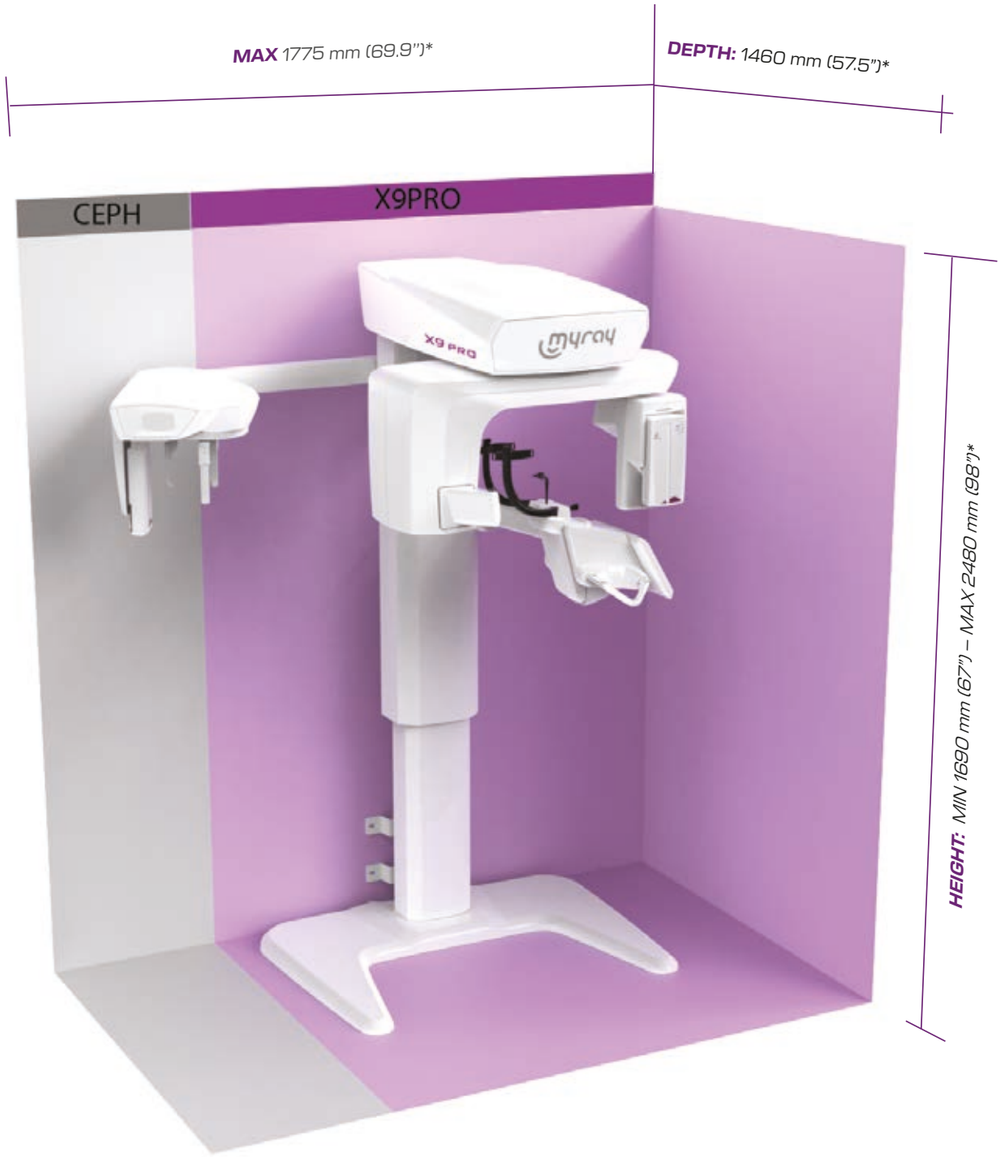
05

Treatment sharing

Create personalised patient health reports and illustrate the treatment plan clearly.

06





*Measurements take into account the configuration with the CEPH arm mounted on the left and the easyaccess base

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IMAGES	2D	3D
Type	PAN (Adult, Child), BITEWING, DENT, SIN (Cent, L, R), TMJ (Front, Lat), CEPH (Lateral, AP-PA, Carpus)	MODEL, DENT,SIN, TMJ, AIR, MAXILLO, EAR, SPINE (Cervical)
(Maximum) theoretical resolution on the patient plane	PAN: 5.6 lp/mm (pixel 79 µm) BW: 7.6 lp/mm (pixel 66 µm) CEPH: 5.7 lp/mm (pixel 88 µm)	CBCT: 6.67 lp/mm (voxel 75 µm) 4x4: 10 lp/mm (voxel 50 µm)
Fields of view on patient (adult and child) (L) x (H) in cm	PAN STD: 23.2x12.0 cm PAN CHILD: 17.8x10.7 cm DENT (Full): 13.9x9.3 cm BITEWING: 17.3X6.4 cm CEPH LL (full skull): 25.5x19.6 cm	**13x10 CONFIGURATION** (DENT, SIN, MODEL): 6x6; 8x6; 8x8; 10x6; 10x10; 11x8; 13x6; 13x10 **15x16 CONFIGURATION**(DENT,SIN, MODEL + TMJ, AIR, MAXILLO): 13x16, 15x6, 15x8, 15x10, 15x16 **ENDO PACK (13x10 and 15x16 configurations optional):** 4x4, 5x4 **TMJ PACK (13x10 configuration optional):** 15x6, 15x10 **CERVICAL & EAR PACK (15x16 configuration optional):** 7x6, 9x9, 9x16
Scan times (typical)	PAN: 13.9 s (Ortho); 11.8 s (Standard); 6.0 s (Quick); 5.0 s (Sin R/L) CEPH LL: Long 9.02s (Standard); Long 5.14 s (Quick)	Super HD: 24s Standard: 14.4s QuickScan: 6.4s
INSTALLATION		
Weight (kg)	2D basic machine: 152 kg 3D basic machine: 155 kg CEPH arm with sensor: 20 kg	
X-RAY GENERATOR		
Generator type	Constant potential DC	
Anode voltage and current	60-90 kV; 2-16 mA	
Focal spot	0.5 mm (IEC 60336)	
POWER SUPPLY		
Voltage and frequency	115 – 240 V Single-phase 50 / 60 Hz	
Maximum current absorbed in working conditions	20A at 115V; 12A at 240V	
Current absorption in standby mode	Approx. 2 A at 115 V; Approx. 1 A at 240 V	
Adjustment method	Automatic voltage/frequency adaptation	
DETECTOR	**2D (PAN & CEPH)**	**3D**
Detector type	CMOS (CsI) or Direct Conversion (DC^{III})	IGZO
ERGONOMICS		
Patient positioning	Suggestion from virtual control panel - Servo-assisted alignment, 3 laser guides (Class 1 - IEC 60825-1) - 3D Scout View - Positioning cameras (optional)	
CONNECTIVITY		
Interoperability	IHE compliant (Scheduled Workflow.b)	

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The images and technical specifications shown in this catalog are for indicative purposes only.
As part of ongoing technological updates, technical specifications may be subject to changes without prior notice.
In accordance with current regulations, in non-EU areas some products, as well as certain technical specifications, may have different availability and configurations.
We encourage you to always contact your local distributor for up-to-date technical specifications, availability and configurations.

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BU MEDICAL EQUIPMENT

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