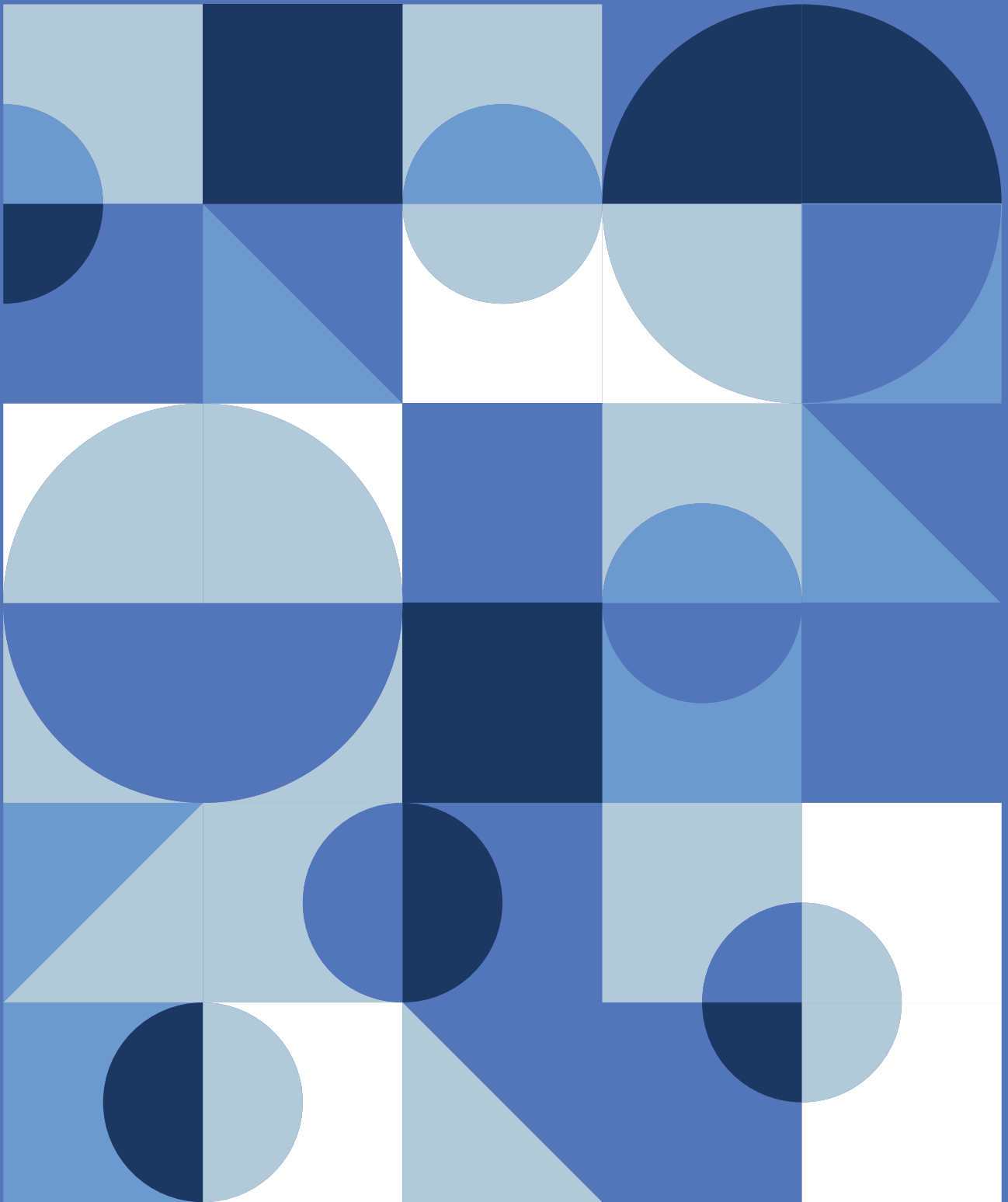


X-VIEW 3D PAN



Discover a world of images

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STEP INTO A WORLD OF DEPTH AND REALISM

Experience the seamless integration of 3D, 2D and cephalometric imaging in one compact versatile system. The X-VIEW CBCT 3-in-1 unit provides a comprehensive imaging solution designed to enhance your diagnostic capabilities.

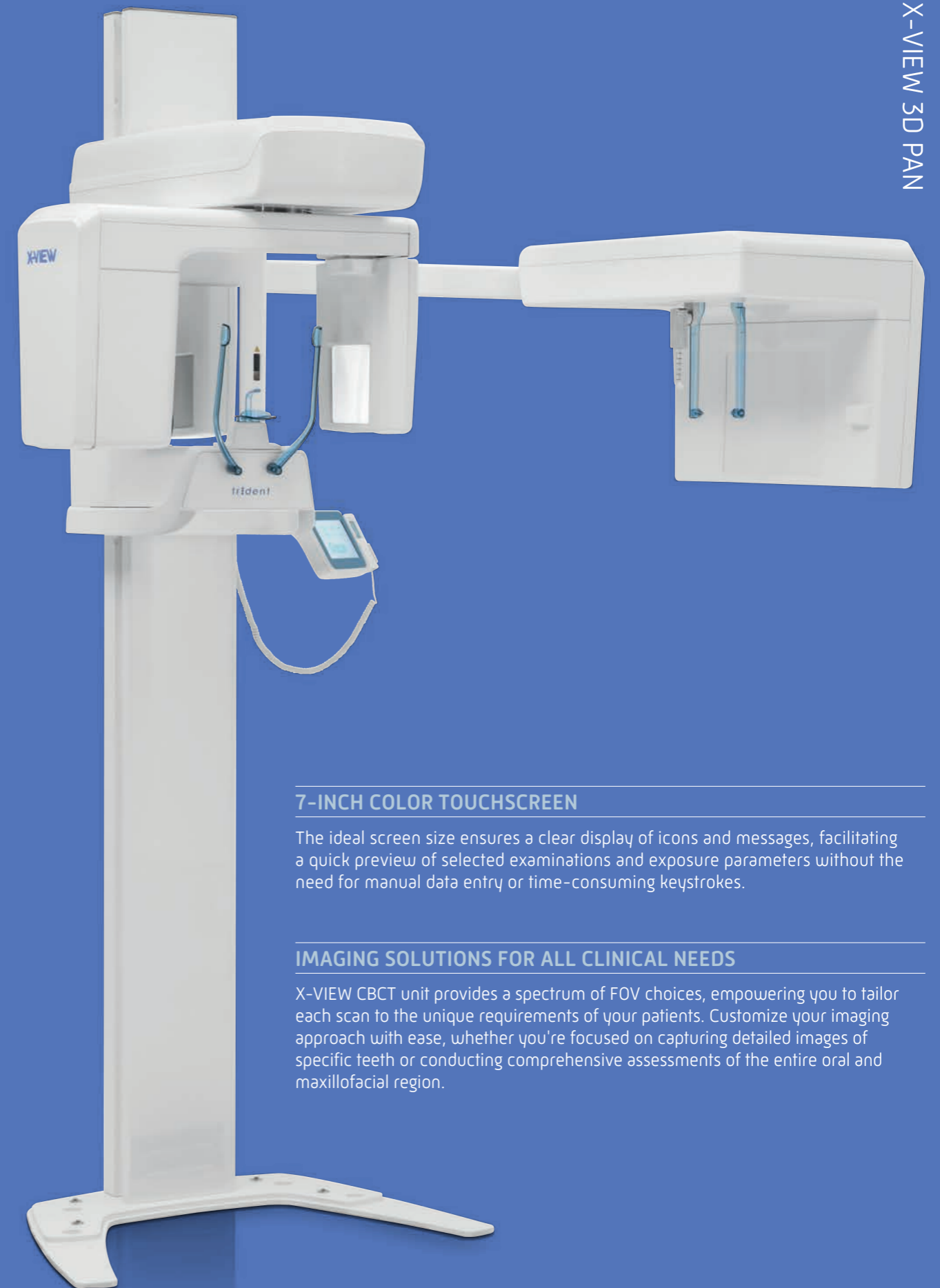
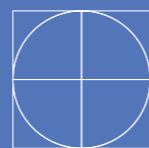
TWO DETECTORS FOR WORKFLOW OPTIMIZATION

- SAME SENSOR FOR 2D AND 3D IMAGES (15x15cm IGZO-based flat panel X-ray detector) to obtain 2D PAN and volumetric images in fastest scanning time, from 2,4 to 15,5 s.
- Dedicated AMORPHOUS SILICON FLAT PANEL for 25x30cm CEPH images in less than 500ms exposure time.

PULSED DC X-RAY GENERATOR

This high-frequency generator synchronizes X-ray emission with the sensor, preventing unnecessary exposure during image transmission. This synchronization significantly lowers the patient's dose (by approximately 30%), reduces stress on the generator, and minimizes overall unit consumption.

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X-VIEW 3D PAN

7-INCH COLOR TOUCHSCREEN

The ideal screen size ensures a clear display of icons and messages, facilitating a quick preview of selected examinations and exposure parameters without the need for manual data entry or time-consuming keystrokes.

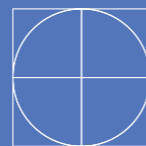
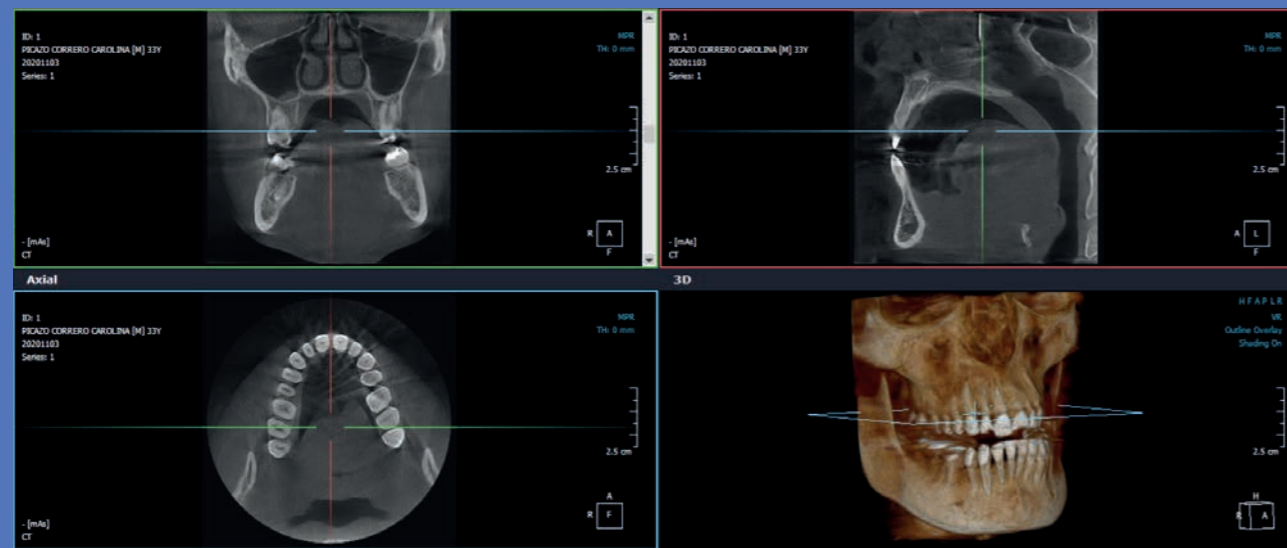
IMAGING SOLUTIONS FOR ALL CLINICAL NEEDS

X-VIEW CBCT unit provides a spectrum of FOV choices, empowering you to tailor each scan to the unique requirements of your patients. Customize your imaging approach with ease, whether you're focused on capturing detailed images of specific teeth or conducting comprehensive assessments of the entire oral and maxillofacial region.

trident-dental.com

Transform your dental images with our advanced scanning technology. With a single scan, you can obtain comprehensive 3D, 2D or Ceph images of dental structures, soft tissue, nerves and bones of craniofacial region.

Explore a new dimension with high-definition reconstructions that reveals the finest details of oral anatomy. X-VIEW 3D PAN provides volumetric HD images (up to 50 μm), obtained in a single scan to minimize exposure to rays.



DISCOVER THE HIDDEN POWER WITHIN THE X-VIEW 3D PAN NEW FEATURES

X-VIEW incorporates a sophisticated algorithmic method for reconstructing tomographic volumes from X-ray projections.



3D CBCT RECONSTRUCTION

Even in its Basic Version, without activating additional advanced features, the algorithm surpasses standard reconstruction techniques like filtered back projection (FBP) or Feldkamp (FDK).



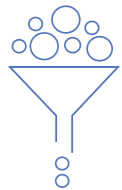
METAL ARTIFACT REDUCTION (MAR)

Activate this option when high-density objects, like metallic components, are present within the scanned field. These objects typically lead to pronounced streaks and dark shadows.



PATIENT MOTION CORRECTION

Patient movement can lead to the appearance of double edges and blurred structures. This feature identifies and mitigates patient motion, ensuring sharp details and accurate reconstruction of anatomy.



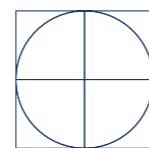
INCREASED HOMOGENEITY

A dedicated reconstruction kernel tailored for dental scans enhances contrast, resulting in improved homogeneity and reduced brightening at the image periphery. The homogeneity factor determines the distribution of gray and/or color values within the image. Homogeneity is achieved when each pixel in the image shares the same color, while strong contrasts indicate inhomogeneity.



ADVANCED CALIBRATION

By using a specific geometric calibration tool and software module, it is possible to automatically and accurately calculate all of the scanner's geometric parameters and compensate for any repeatable mechanical inaccuracies.



ADVANCED RECONSTRUCTION TECHNIQUES (ART) FOR OUTSTANDING RESULTS

Achieve flawless images with the innovative features integrated into X-VIEW 3D PAN.

30%

dose reduction achieved by using pulsed rather than continuous emission.

38%

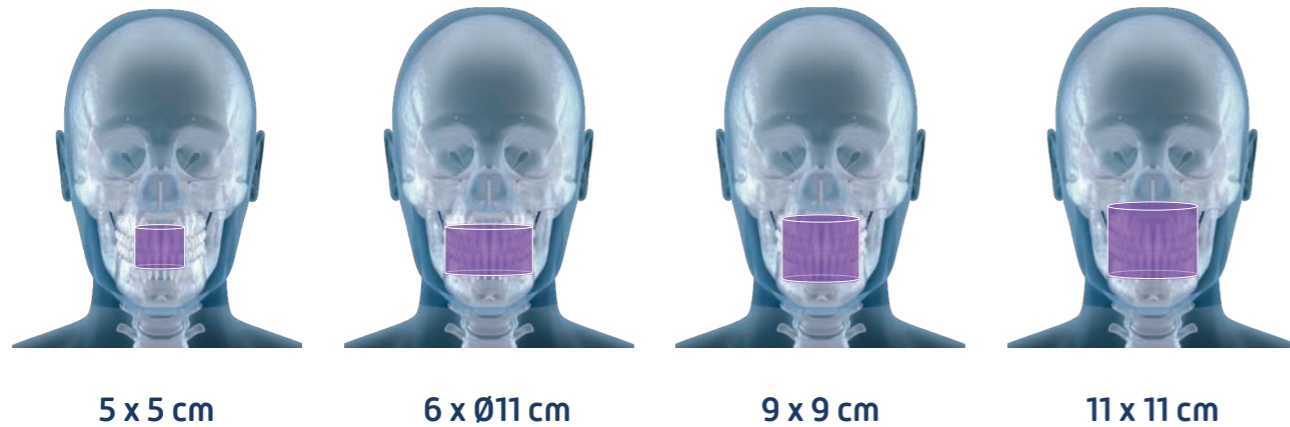
dose reduction, compared to conventional scanning protocols, using ART and volume expansion together.

57%

dose reduction, compared to continuous emission by combining ART and pulsed emission + volume expansion [standard on all X-VIEW 3D PAN units].

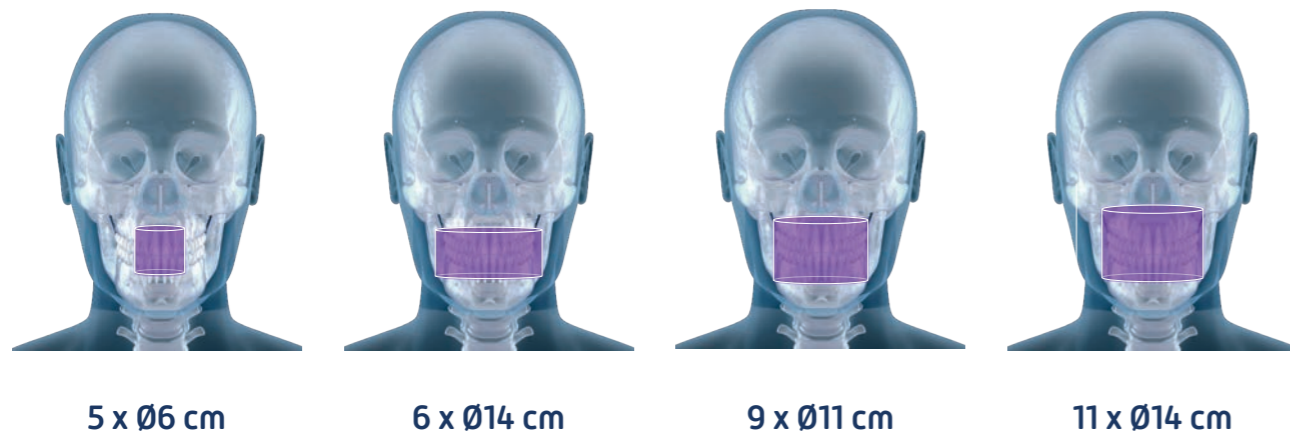


FOV STANDARD DOSE

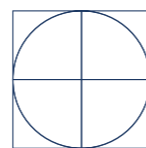


X-VIEW 3D PAN offers multiple Field of View (FOV) options, while maintaining a standard dose for patient safety. Experience precise imaging with customizable FOV settings that provide detailed visuals without compromising on radiation exposure.

FOV REDUCED DOSE



X-VIEW 3D PAN offers a larger field of view (FOV) for the same radiation dose, effectively reducing the dose per scan. Benefit from wider image coverage without increasing radiation exposure, ensuring greater diagnostic accuracy with optimal patient safety.



A WORLD OF IMAGES USING THE MOST INNOVATIVE SOFTWARE TOOLS

DEEP-VIEW

Complete and integrated software for 3D, 2D panoramic and Cephalometric images.

- Exceptional post process filter to always reach the best images
- Bridge for PMS connection
- TWAIN port
- Multilayer direct 2D PAN images acquisition
- DICOM compatibility and exporting images into graphic formats: .jpg, .png, .bmp
- Customizable features for full mouth series exams

XELIS

Xelis Dental combined with Deep-View software, delivers high precision 3D images and provides advanced features for implant planning treatment and post-procedure follow-up. Available in two versions, Basic and Advanced.

MODULE/OPTION	BASIC	ADVANCED	REMARKS
No of concurrent Users	1	1	
DBM	•	•	Xelis Dental Database
Basic 3D Toolbar	•	•	Including Measurement Tools, MPR, Cross Section
Advanced Toolbar	•	•	Canal Draw, Implant Simulation, Utilities
STL		•	STL export
CD/DVD/USB export	•	•	Image export to external storage
Batch Print		•	One click Image Batch Print [Axial, Panoramic, Cross Section]
DLB		•	Dynamic Lightbox
Stitching		•	Image stitching
Report		•	Captured Image Management and Report Generation
Multiusers	•	•	Optional (extra charge)

DFO: DENTAL FACIAL ORTHOPEDICS

Trident offers, as an optional, this amazing tool for orthodontic tracing and cephalometric analysis. Just run DFO and set all the points needed to complete analysis which will be automatically calculated and drawn on the screen.

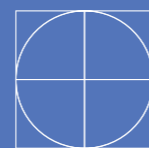
PLUG AND PLAY DEVICE

The PC for X-VIEW 3D comes with Deep-View software + Xelis Basic software installed. The computer is configured from the factory in every single detail. The calibration files are already provided, so the user does not have to manually install them or even manipulate the computer with instructions for operation, avoiding complicated calibrations on site, after the installation, or during the unit useful life.

ACHIEVING PERFECTION IN PATIENT POSITIONING IS ESSENTIAL



X-VIEW 3D PAN features a trio of precision lasers and custom tools to achieve optimal alignment for every scan. These lasers serve as meticulous guides, while the tools ensure a flawless imaging experience.



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X-VIEW 3D PAN allows image acquisition in three different resolution settings:

HD

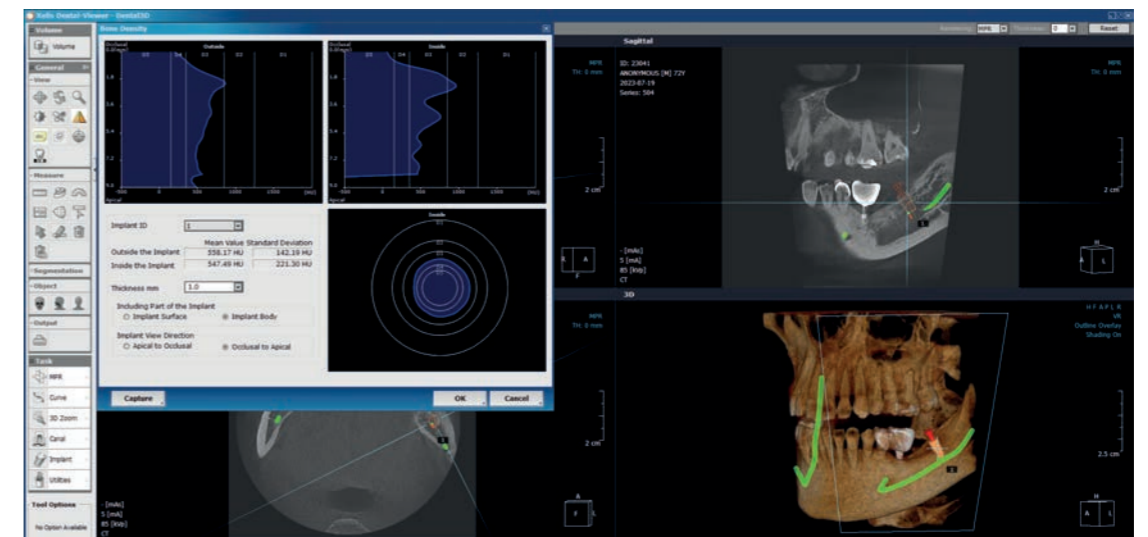
Ideal for those seeking the highest quality in terms of high definition, although it requires more storage space.

STD

It represents an optimal compromise between image quality and file size.

WLF

A particularly lightweight version offering good image quality.



3D ONLY

X-VIEW 3D ONLY is perfect for doctors seeking simplicity and efficiency. With essential functions and straightforward operations, a single click is all it takes to obtain sharp and detailed 3D images.

IGZO-BASED FLAT-PANEL X-RAY DETECTOR

MINIMUM VOXEL SIZE 118 μm

SINGLE FOV 9x9 cm

SINGLE FOV 11x11 cm

SINGLE FOV 11x \emptyset 14 cm

DOUBLE FOV 11x11, 11x \emptyset 14 cm

EASY INSTALLATION AND MAINTENANCE

2D PANORAMIC IMAGE CAN BE RECONSTRUCTED FROM THE 3D EXAM BY SOFTWARE.

X-VIEW 3D ONLY provides the following display modes apart from basic orthogonal views:

OBLIQUE SLICING

CURVED SLICING

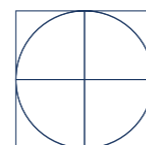
CROSS-SECTIONAL (OBLIQUE CORONAL) VIEW

ERAY SUM

VOLUME RENDERING

The intuitive collaboration of two software, Deep-View + Xelis, seamlessly operates on volumetric data. This includes tasks such as cutting, measuring bone density, assessing root depth, and analyzing the mandibular canal. This dynamic duo serves as an efficient tool for specialized procedures in endodontics, orthodontics, implantology, and maxillofacial surgery, empowering doctors with precise and specialized capabilities.

X-VIEW 3D ONLY offers a range of tools for analyzing and conducting implant treatments.



3D PAN

X-VIEW 3D PAN is a 2-in-1 optimized solution that ensures a fast-scanning experience (from 2.4 to 15.5 seconds) for a wide range of dental 2D panoramic and 3D images. Designed specifically for orthodontists, endodontists and implantologists, this unit is an effective tool for medium to large dental offices.

IGZO-BASED FLAT-PANEL X-RAY DETECTOR

PIXEL SIZE 100 μm

MINIMUM VOXEL SIZE 50 μm

SINGLE FOV 9x9 cm

SINGLE FOV 11x11 cm

SINGLE FOV 11x \emptyset 14 cm

DOUBLE FOV 11x11, 11x \emptyset 14 cm

MULTIFOV 5x5, 6x \emptyset 11, 9x9, 11x11 cm

MULTIFOV 5x5, 5x \emptyset 6, 6x \emptyset 11, 6x \emptyset 14, 9x9, 9x \emptyset 11, 11x11, 11x \emptyset 14 cm

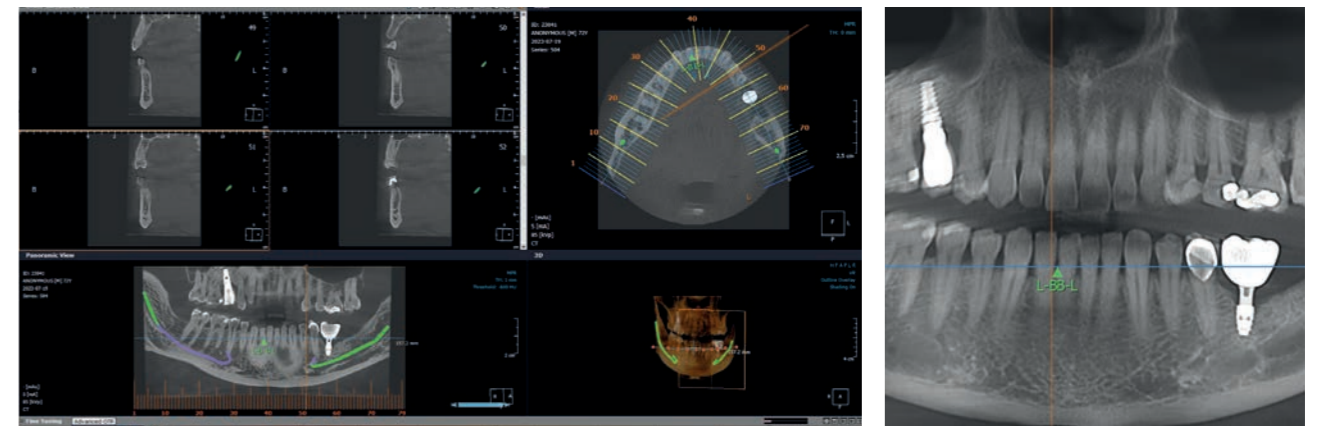
15x30 cm ADULT 2D PAN IMAGES

13x30 cm CHILDREN 2D PAN IMAGES

VOLUMETRIC IMAGES

CEPH UPGRADABLE

- Evaluates the detailed morphology of the bone tissue
- Explores the maxillary sinuses
- Detects dental anomalies
- Determines the protocol for extraction of impacted teeth
- Diagnoses temporomandibular joint problems



3D PAN CEPH

This cutting-edge CBCT 3-in-1 system enables oral health professionals to conduct a wide range of examinations. Alongside its outstanding 3D imaging capabilities, the X-VIEW 3D PAN CEPH features functionalities for 2D panoramic and cephalometric radiographs.

IGZO-BASED FLAT-PANEL X-RAY DETECTOR

PIXEL SIZE 100 μ m

MINIMUM VOXEL SIZE 50 μ m

VOLUMETRIC IMAGES

SINGLE FOV 9X9 cm

SINGLE FOV 11X11 cm

SINGLE FOV 11X014 cm

DOUBLE FOV 11X11, 11x014 cm

MULTIFOV 5x5, 6x011, 9x9, 11x11 cm

MULTIFOV 5X5, 5X06, 6X011, 6X014, 9X9, 9X011, 11X11, 11X014 cm

15x30 cm ADULT 2D PAN IMAGES

13x30 cm CHILDREN 2D PAN IMAGES

25X30 cm AMORPHOUS SILICON FLAT PANEL FOR CEPH

25x30 cm AP AND LL CEPHALOGRAMS

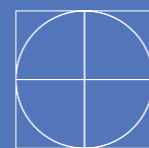
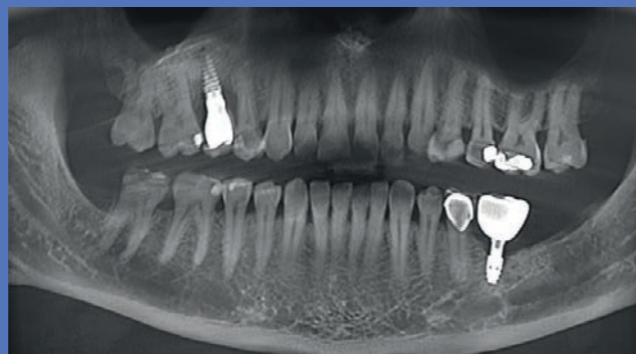
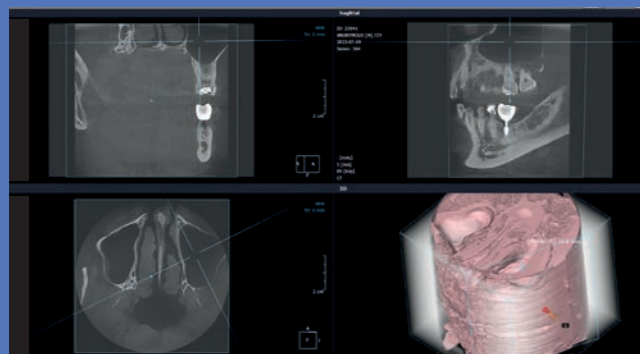
CARPUS

AP and lateral cephalograms offer valuable insights for planning orthognathic surgery, correcting facial asymmetry, addressing malocclusion, and guiding orthodontic treatments.

The lateral cephalogram is utilized to determine the

- Surgical planning for impacted teeth
- Diagnosis of TMJ disorder
- Precise dental implant placement
- Evaluation of the jaw, sinuses, nerve canals, and nasal cavity
- Detect, measure and treat jaw tumors
- Determination of bone structures and tooth orientation
- Cephalometric analysis

forward projection of nasion, subnasale, and gonion. Meanwhile, the AP cephalogram assists in establishing the relationship between the horizontal occlusal plane and the skull base.

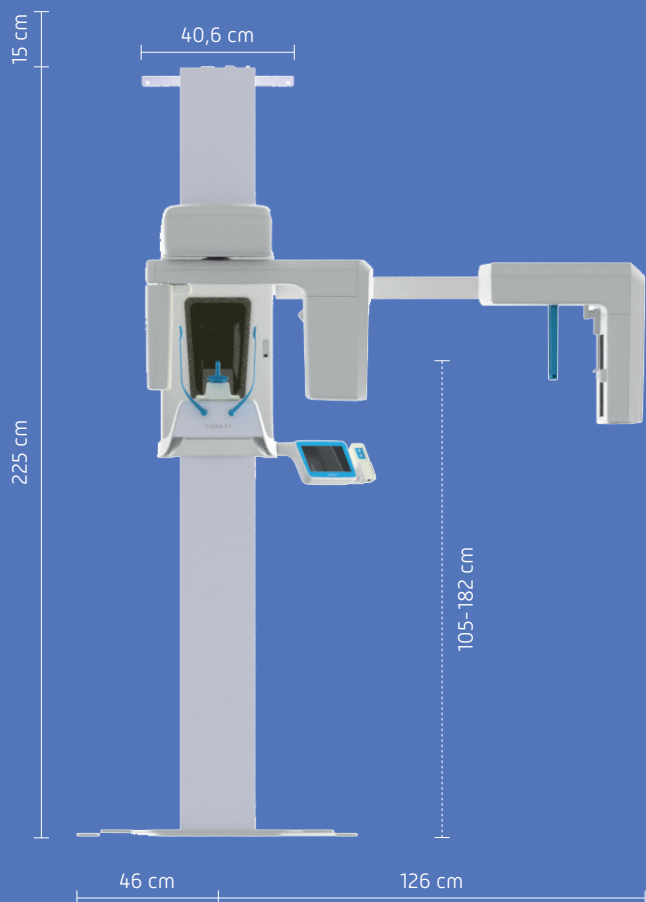


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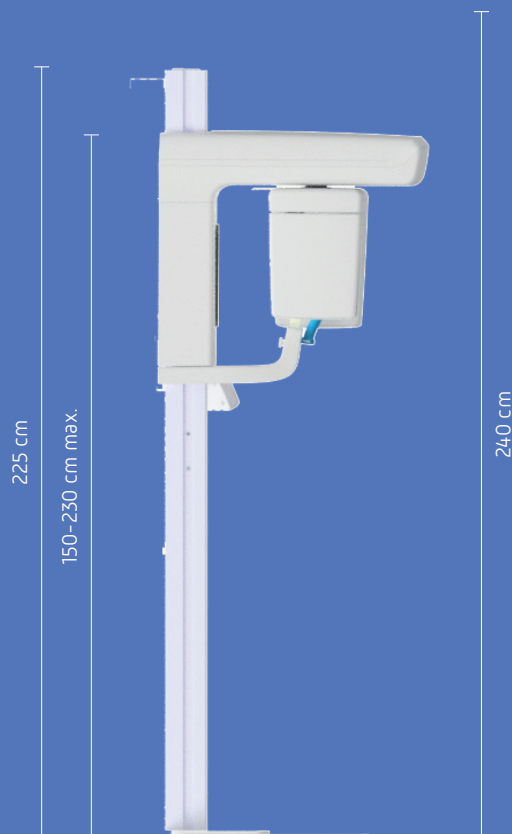
EXAMS

3D								
	STD DOSE	5x5	6x011	9x9	11x11			
3D								
	LOW DOSE	5x06	6x014	9x011	11x014			
2D PAN								
	Standard PAN	Hemi PAN right	Hemi PAN left	Frontal Dentition	TMJ closed mouth	TMJ open mouth	Sinus	
OPTIONAL 2D								
	Reduced Dose Panoramic	Improved Orthogonality Panoramic	Right Bitewing	Left Bitewing	Right and Left Bitewing			
CEPH								
	Latero-Lateral 25x30	Antero Posterior	Carpus Image					

X-VIEW 3D PAN CEPH



X-VIEW 3D ONLY/3D PAN



Trident S.r.l.

Via Artigiani, 4 25014 Castenedolo

Phone +39 030 2732485

info@trident-dental.com

www.trident-dental.com