X-VIEW 2D PAN

Discover a world of images

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2D PAN

Efficient and modern digital radiographic system to provide doctors with an extremely useful tool for accurate diagnostics and successful treatments.

X-VIEW
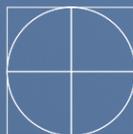
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HIGHLIGHTS

CMOS Scanning detector

Optimal focal trough

High Frequency DC X-Ray generator

Space-saving structure

Elegant and compact Italian design

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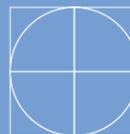
EXCEPTIONAL FEATURES
NOT SEEN AT FIRST GLANCE

ONE

CMOS SENSOR FOR 2D IMAGES

Complementary Metal Oxide Semiconductor (CMOS) sensor offers:
• Higher Sensitivity due to the latest pixel architecture which is beneficial in lower light applications
• Lower dark noise that contributes to a higher fidelity image
• Improved pixel well depth (saturation capacity) that provides higher dynamic range
• Lower Power consumption (eco-green)

TWO

ADVANCED 2D AND CEPH SOFTWARE FUNCTIONS

Full connectivity to easily export, share and store images.
Uses Deep- View software and the same database for both 2D and Ceph programs.

DEEP-VIEW IMAGE SUITE FOR 2D AND CEPH IMAGES

Software for intuitive navigation with advanced functions that allow to scan, display, filter and obtain thousands of high-definition images.
• Bridge function
• DICOM compatibility and exporting images into graphic formats: .jpg, .png, .bmp
• Multiple database management

DFO: DENTAL – FACIAL – ORTHOPEDICS (OPTIONAL)

Software for orthodontic tracing and cephalometric analysis.
• Differential Analysis
• Orthodontic Analysis
• Images stored in DICOM format
• Interactive Tutor
• Layer-based Analysis
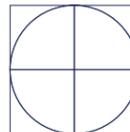
THREE

TWO DETECTORS FOR WORKFLOW OPTIMIZATION

A CMOS sensor for 2D images and a dedicated DR flat panel detector with single shot technology for cephalograms.
The DR (Digital Radiography) detector is the highest quality technology available to obtain sharp Ceph images.

DR CEPH DETECTOR ADVANTAGES

• Better contrast
• More details and filtering
• No background disturbance
• Exposure time: 200-500 ms
• Reading time: immediate
• Detector-PC image transmission: 2sec
• Calibration method: easy, intuitive and manageable remotely

SINGLE SHOT TECHNOLOGY

Significantly reduces exposure time without deteriorating the quality of the image
• Avoids prolonged exposure to radiation and blurred images
• Prevents the complications deriving from the mechanical movement of scanning systems

AND MUCH MORE

7-INCH COLOR TOUCHSCREEN

The LCD display enables users to directly interact with the unit.
The ideal size of the display allows a quick and intuitive navigation through the menu.
The menus are very simple to browse through. Universally recognized Icons indicate the functions, parameters, and options available. All instructions are multilingual and in a user-friendly language to guide users in the right path.
On-screen commands simplify the choice of patient type and exam, exposure parameters, speed of movement, and patient positioning.

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QUICK AND EASY PATIENT POSITIONING

X-VIEW 2D PAN provides great stability to patients, quick access and a natural body position.

Ergonomics in design helps to achieve the perfect focal trough and correct patient's posture. The specially designed tools assist patients, during the acquisition process, to maintain their position avoiding errors in the procedures:

• The bite block centers the teeth by aligning the arches, positioning the incisors on the focal plane, and allowing vertical symmetry
• Two laser lines trace the references of the area of interest, while the mirror located in front of the bite-block helps patients to control their position

X-VIEW 2D PAN adapts to all sizes and types of patients, the linear and open design facilitates access for wheelchair users.

The X-VIEW 2D PAN motorized lifting with two speeds makes patient positioning easier than ever. The quick movement allows adjustment of the unit to the patient height; with the slow movement a precise alignment is achieved using the laser.

The double laser is an essential tool to get the perfect inclination and orientation of the patient's head.
The chin rest helps to achieve an accurate focal plane for very low risk of error in diagnostic images.

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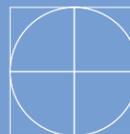
Available in three models, X-VIEW 2D PAN system combines the latest advances in digital radiology with a clean and compact design to offer complete and affordable imaging solutions.

PRECISE DIAGNOSTICS
Images obtained with X-VIEW 2D allow more precise diagnostics.

ACCURATE IMAGES
Thanks to its evolved functions, trajectories, and collimations applicable to each exam, images are full of details and contrast.

HIGH CONNECTIVITY
The software offers an expanded set of tools to easily manage, save, export and share images.

LOW RADIATION DOSE
The high frequency generator and the pulsed emission adjust the exposure adapting the dose to the dimensions of the examined area without compromising image quality.

GO-GREEN AND SAFE PACKAGING
Thanks to the new detachable column, the unit is safely packed using only one triple wall corrugated 120 * 80 * h120 cm cardboard box.
It is a sustainable packaging, manufactured with materials and techniques that reduce both the energy consumption and the harmful impact of packaging on the environment.
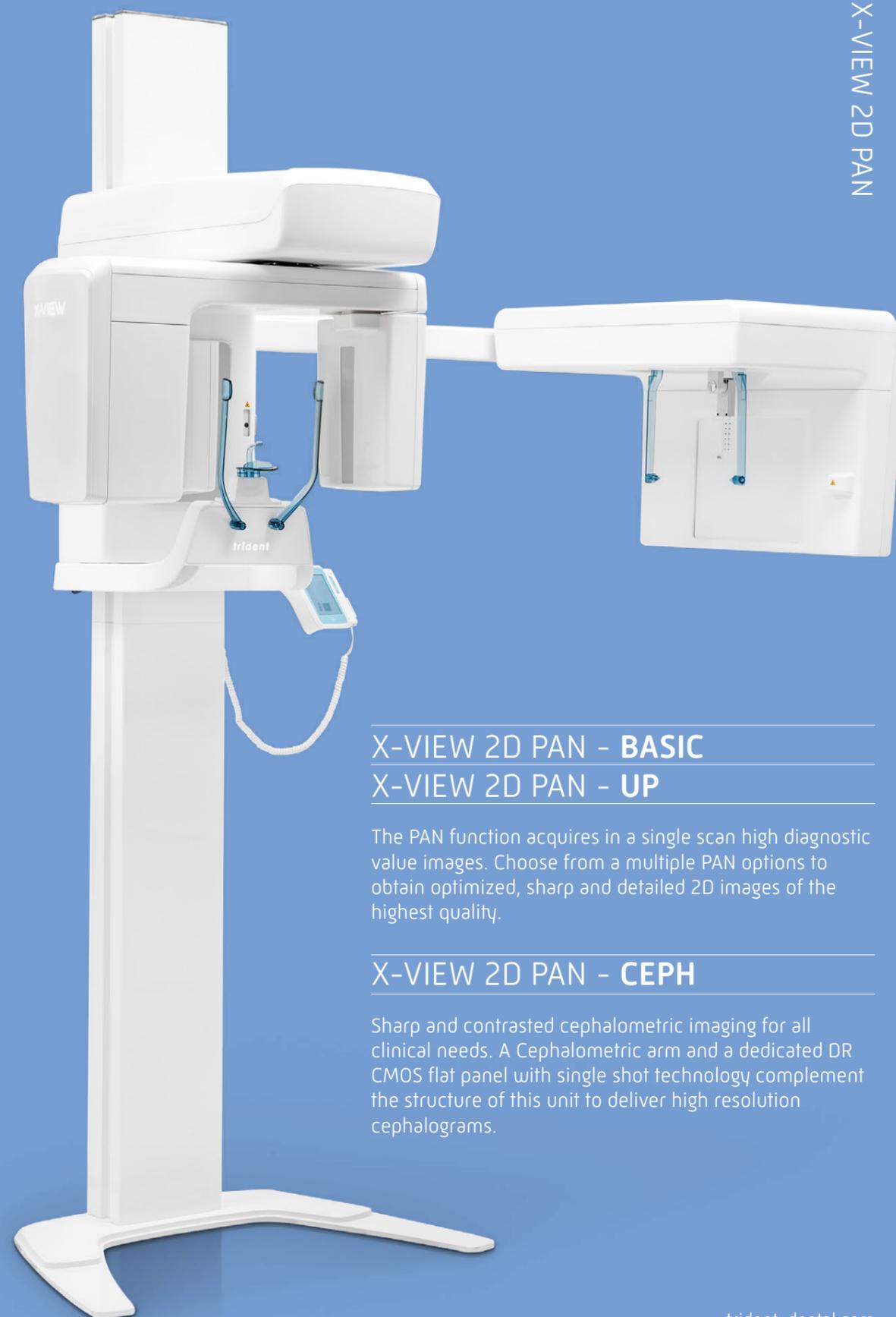
X-VIEW 2D PAN - **BASIC**
X-VIEW 2D PAN - **UP**

The PAN function acquires in a single scan high diagnostic value images. Choose from a multiple PAN options to obtain optimized, sharp and detailed 2D images of the highest quality.

X-VIEW 2D PAN - **CEPH**

Sharp and contrasted cephalometric imaging for all clinical needs. A Cephalometric arm and a dedicated DR CMOS flat panel with single shot technology complement the structure of this unit to deliver high resolution cephalograms.

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X-VIEW 2D PAN - **BASIC**

This is the basic model of the X-VIEW family and is dedicated to doctors switching from an intraoral to an extra-oral digital imaging system in an affordable and efficient way.
It was developed for the specific acquisition of 2D panoramic images. This unit is quite easy to operate, with intuitive functions for amazing results.

| CMOS FLAT PANEL SENSOR |
| 30x15 CM 2D ADULT PANORAMIC |
| EASY INSTALLATION |
| LOW MAINTENANCE |
| LOW INITIAL INVESTMENT COST |

Deep-View software delivers clear and plenty of details panoramic exams providing doctors with an efficient tool for specialized procedures in endodontics, orthodontics, implantology and maxillofacial surgery.

ADVANTAGES OF PANORAMIC IMAGES
More comfort for patients since Panoramic X-rays are extraoral and simple to perform. Improved Care.
A panoramic X-ray allows the view of the head, neck, and jaw, and how they work together as a whole, which means doctors can more easily:
- Assess patients with an extreme gag reflex
- Evaluate the progression of TMJ
- Expose cysts and abnormalities
- Expose impacted teeth
- Expose jawbone fractures
- Plan treatment (full and partial dentures, braces and implants)
- Reveal gum disease and cavities

X-VIEW 2D PAN - **UP**

X-VIEW 2D PAN UP grows along with the workflow. This model is ideal for doctors who plan the growth of their dental practice by including the advantages of cephalometric imaging. X-VIEW 2D PAN UP, born as a 2D Basic model with the specific mechanical and user interface dispositions to articulate the cephalometric option in a second stage.

| LOW RADIATION DOSES |
| LESS EXPOSURE TIME |
| VARIABLE FIELD COLLIMATOR |
| CMOS FLAT PANEL SENSOR |
| 30x15 cm ADULT PANORAMIC IN 15.5 SEC |
| 30x13 cm CHILD PANORAMIC IN 14.8 SEC |

Due to the broad coverage of panoramic X-ray (ear-to-ear two-dimensional view of both the upper and lower jaw) doctors can visualize some structures that affect not only the patient's oral health but also their general health, such as calcified stylohyoid complex, arterial calcifications and other soft tissues calcifications.

t r i d e n t

X-VIEW 2D PAN – **CEPH**

The 2-in-1 model of the X-VIEW family is a multifunctional and integrated system that makes the advantages of 2D and cephalometric imaging within reach of the general dentists, periodontists, orthodontics and other specialists working from medium offices to hospitals and clinics.

X-VIEW 2D PAN CEPH incorporates a high-frequency generator and a noise- and imperfection-free image acquisition system to obtain high quality clinical radiographies.

2D PAN FUNCTION

The standard panoramic program provides a precise definition of the dental anatomy in just 15 seconds allowing:
• Overall evaluation of dentition
• Examine for intraosseous pathology, such as cysts, tumors, or infections
• Gross evaluation of temporomandibular joints
• Evaluation of position of impacted teeth
• Evaluation of eruption of permanent dentition
• Dentomaxillofacial trauma
• Development of disturbances on maxillofacial skeleton

CEPH FUNCTION

24x30 cm PA, LL cephalograms
Carpus images

• Describes the patient's dento-facial morphology
• Quantitatively describes the morphological deviations
• Obtains orthodontics diagnosis and treatment planning
• Supports the planning of maxillofacial surgery
• Elaborates Airway analysis
• Analyzes the skeletal and dental abnormalities
• Evaluates treatment results
• Predicts growth related changes

30x15 cm ADULT PANORAMIC IN 15.5 SEC
30X13 cm CHILD PANORAMIC IN 14.8 SEC
24x30 AP/LL CEPHALOGRAMS
CARPUS IMAGES
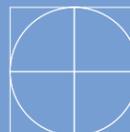
TECHNICAL DATA

		2D PAN BASIC/UP	CEPH DR
X-RAY GENERATOR	Type	High Frequency DC Generator	
	Operative Mode	Direct	
	Tube Voltage	61-85 KvP	
	Anode Current	5-10 mA	
	Focal Spot	0.5 mm	
DETECTOR	Type	CMOS Detector	One Shot, Digital CMOS Sensor
	Area in mm	150x7	300x240
	Pixel Size	100 µm	125 µm
	Number of Pixel	1500x68	2448x2048
	Scintillator	CsI	
ACQUISITION	Exposure Time	4.4-15.5 s	200-500 ms with Immediate scanning
PROGRAMS	Standard	Adult/Child Standard Panoramic Adult/Child Hemi Panoramic Frontal Dentition TMJ closed/open mouth 2D Sinus	LL CEPH 30x24 AP CEPH Carpus images
	Optional 2D Exams	Reduced Dose Improved Orthogonality Right Bitewing	Left Bitewing Right and Left Bitewing
DIMENSIONS	Height (cm)	223.5	
	Weight (Kg)	110	25
SOFTWARE	Acquisition	Deep-View Multiuser	
	Optional	DICOM 3.0-Print only DICOM 3.0 - Full (Base, CD, Worklist, Print) DFO for Cephalometric Analysis	
	Image Format	JPEG, BMP, PNG, TIFF, DCM	

EXAMS

| 2D PAN							
	Standard PAN	Hemi PAN right	Hemi PAN left	Frontal Dentition	TMJ closed mouth	TMJ open mouth	Sinus
OPTIONAL 2DPAN							
	Reduced Dose Panoramic	Improved Orthogonality Panoramic	Right Bitewing	Left Bitewing	Right and Left Bitewing		
CEPH							
	Latero-Lateral 30x24	Antero-Posterior	Carpus Image				

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X-VIEW 2D PAN CEPH

46 cm | 126 cm

107 cm

92 cm | 80 cm

X-VIEW 2D ONLY/2D PAN UP

50 cm | 70 cm

92 cm

107 cm

120 cm

230°

X-VIEW 2D PAN CEPH

11 cm

40,6 cm

229 cm

105-182 cm

46 cm | 126 cm

X-VIEW 2D ONLY/2D PAN UP

229 cm

223 cm max.

240 cm
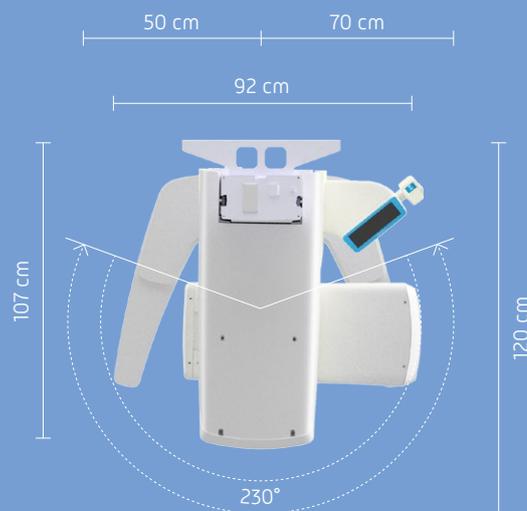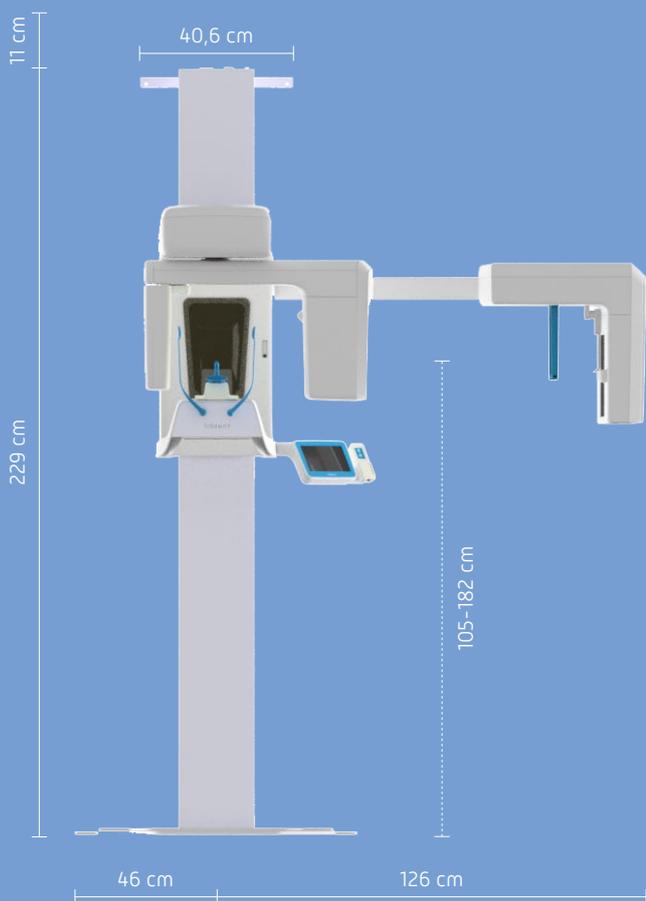
Trident S.r.l.
Via Artigiani, 4 25014 Castenedolo
Phone +39 030 2732485
info@trident-dental.com

www.trident-dental.com