trident

Accept the challenge
Change your view of the world

X-VIEW

2D-3D-PAN-CEPH

X-VIEW evolves and develops in response to your needs

Discover the integrated and evolutionary three-in-one system for the acquisition and management of 3D/2D/CEPH digital images, designed and produced in Italy by Trident. Four different options allow you gradually access to the most advanced technology available on the market.

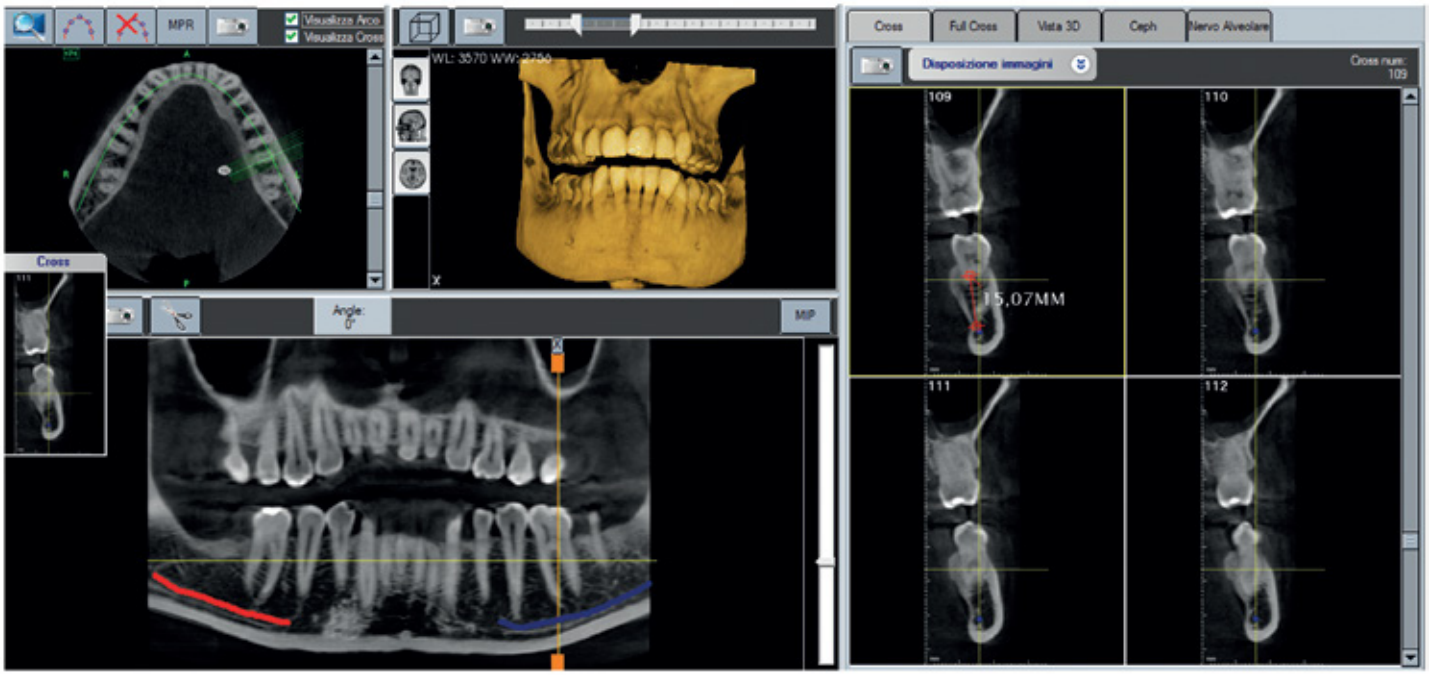
The X-View configurations can be upgraded to meet your needs

2D PAN

2D-PAN-CEPH Single Shot

3D-PAN Multilayer

3D-PAN Multilayer CEPH Single Shot



X-VIEW offers

Cone Beam 3D
Multilayer 2D Panoramic
24 x 30 Single Shot CEPH

Together into the third dimension.

Obtain unique images for accurate diagnoses and perfect treatments, with all the advantages offered by X-VIEW:

Deep View ® software

The characteristics of the exclusive software designed by Trident, for the X-VIEW family, allow you to develop **high-definition images** in less time. The quality of the images helps you to quickly identify diseases and changes anywhere in the oral cavity anatomy.

Deep View ® software is intuitive. Its functions explains and guides the user though the various operations. The software makes it possible to carry out any type of measurement and cut (section) of the teeth, even in cases where the morphology of the dental arch is particularly complicated.

Deep View ® can easily be connectes to other systems already in place in the dental clinic (open software). Deep View R allows **TWAIN** interface and is **DICOM 3** compatible.

7-inch colour touchscreen
Great accessibility
The ideal size of the display allows users to easily read the anatomic icons that guide them rapidly and intuitively through the menu.

DC Generator
X-VIEW avoids the emission of unnecessary radiation by using a high-frequency "pulse mode" generator that guarantees a perfect balance between the image quality required and the amount of radiation emitted.

Patient positioning
Laser lights to keep the patient in appropiate position

Biting block (for panoramic X-rays) or chin rest (for 3D X-rays) to keep the patient's head stable

X-VIEW 2D-PAN

2D PROGRAMS

- Adult PAN
- Child PAN
- Bitewing
- Sectoral PAN
- Paranasal sinuses
- TMJ
- Orthopanoramic
- Reduced PAN radiation

The **entry-level model** of the X-VIEW family begins with the basic **PANORAMIC 2D**, an evolutionary machine with a compact, clean-cut design that easily fits into your workspace.

FEATURES

Panoramic 2D offers high-level technological development for the acquisition of **15 x 30 cm** 2D panoramic images.

CCD sensor to generate high-quality images.

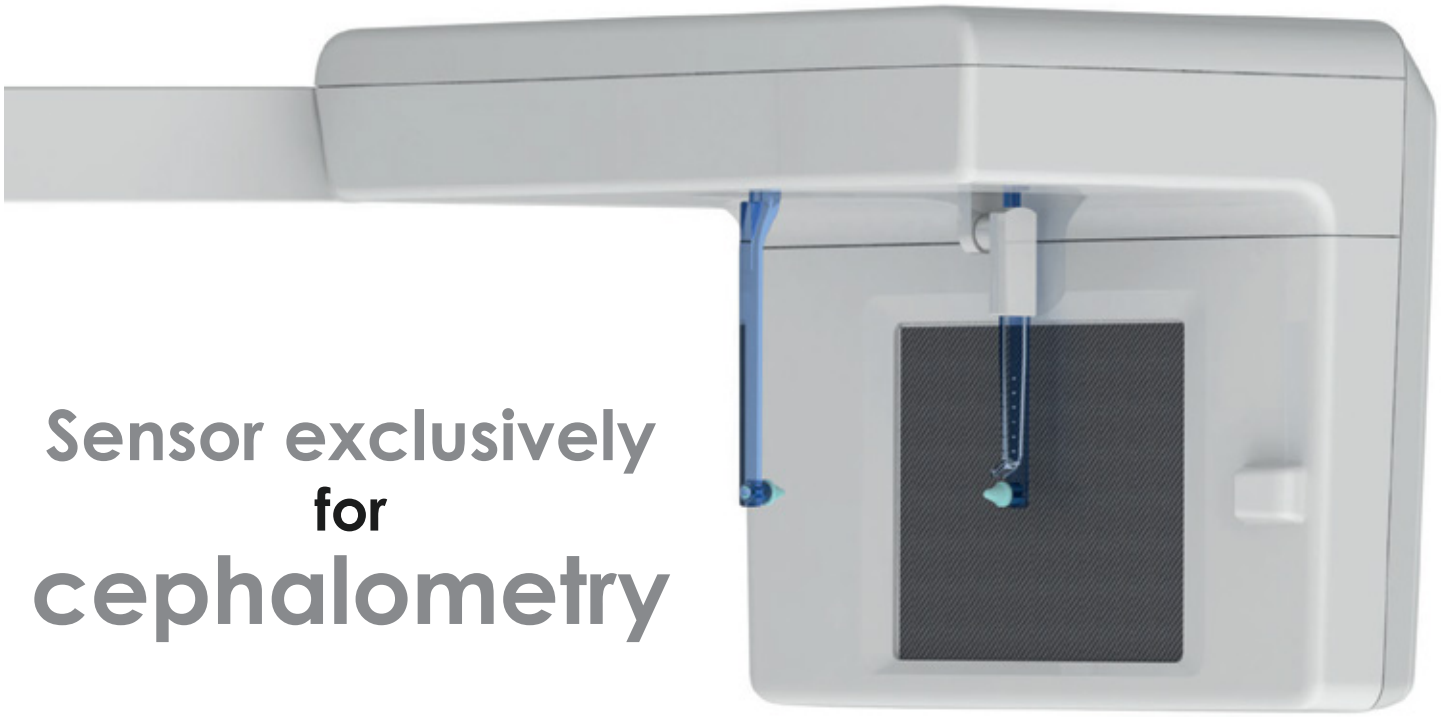
Exposure time of 14.3s for panoramic images of children and 15s for adults.

DC high-frequency Generator.

Focal spot of 0.5 mm.

X-VIEW 2D-PAN-CEPH

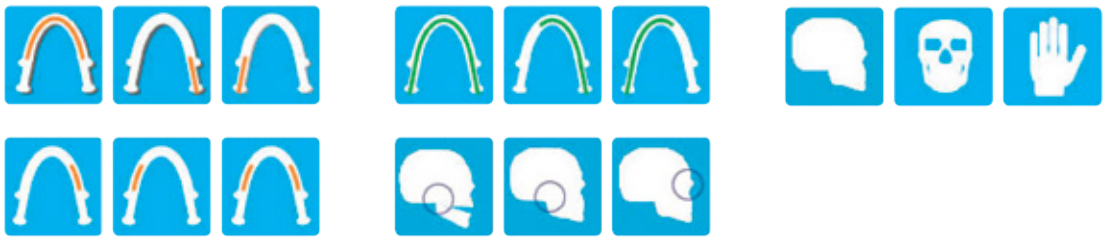
In addition to the features of the basic entry-level X-VIEW, this model is equipped with an arm for cephalometry and the exclusive flat panel phosphor plate CR 2430 sensor with **incorporated image reader** that makes it possible to obtain 24 x 30 cm high-definition cephalometric images in less than 2 seconds, using the innovative **single-shot** technology.



Sensor exclusively for cephalometry

Reduction of exposure time

While other machines use a scanning system with an exposure time of 15 seconds, **X-VIEW 2D-PAN-CEPH**, thanks to the exclusive **Single Shot** system, is able to significantly reduce exposure time without negavely affecting the quality of the image (taking a single shot in less than 2s). The single shot system prevents the complications deriving from movement for obtaining images by scanning.

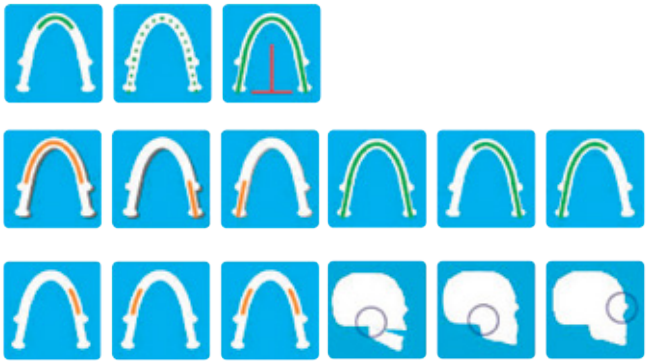


X-VIEW 3D-PAN

The CBCT system opens the door to a wider range of professional options, offering support for carrying out operations in the fields of Implantology, General and Maxillofacial Surgery, Periodontology, TMJ and Endodontics.

To obtain 13 x 30 cm 2D panoramic images, X-VIEW 3D-PAN uses the same sensor used to obtain 3D images.

Multi-layer images
The high acquisition speed of this sensor makes it possible **to create an image bank** from which the software selects the sharpest shots and uses them to build up **three panoramic images**, with an interval of two millimetres in focus between them. This allows the user to obtain images in order to boost the accuracy of the diagnosis, thus avoiding further examinations in the event of problems with positioning the patient.



X-VIEW 3D-PAN-CEPH

Discover Trident 3D-PAN-CEPH

for obtaining panoramic, cephalometric and 3D images

all in one

and turn around your view of the world

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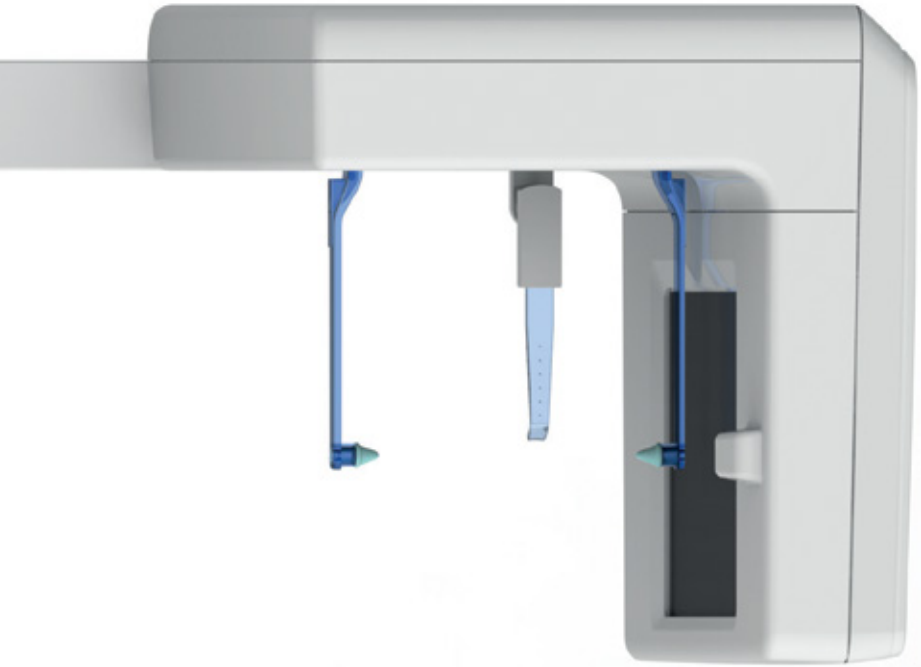


FLAT PANEL with CMOS technology 13cm x 13cm

Field of View 8,5cm x 8,5cm

Panoramic 2D Multilayer

3D reconstruction time < 10 sec.

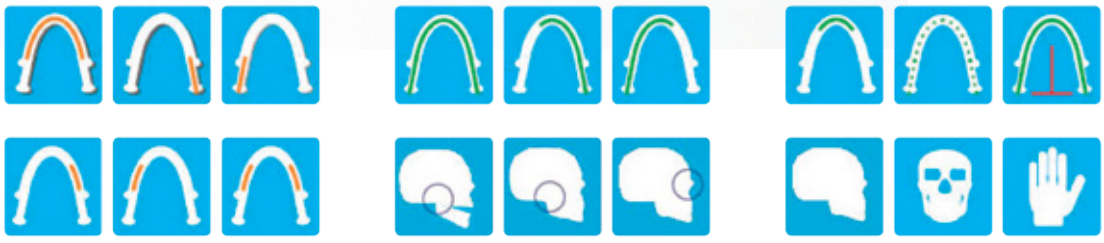
Ceph sensor, Single shot (**24cm x 30cm**)

DC Generator

A high-frequency (not continuos) pulse generator that allows images to be acquired by rotating 230 degrees in just 15 seconds. This generator produces 20 emissions per second.

8.5 x 8.5 volume images in just 10 seconds

A flat-panel CMOS sensor with an **active area of 13 x 13 cm**, resolution of 100 micron and the ability to capture **300 images/second**, guaranteeing the acquisition of an image bank that can be used for a volumetric construction of an image with 8.5 x 8.5 cm FOV.



X-VIEW 2D-3D-PAN-CEPH

TECHNICAL INFORMATION

GENERAL TECHNICAL INFORMATION

XRAY GENERATOR	
Generator type	High frequency DC
Focal spot	0,5 mm
Total filtration	> 2,5 mm Aleq @70 kV
Leak radiation	According to IEC 60601-2-63 <0.5 mGy/h @85 kV 10 mA 15s. duty cycle 1/8
Anodic voltage	61 ÷ 85 kV, step 3 kV
Anodic current	5 ÷ 10 mA 7 steps
Power requirement	230V, 10A, monofase, (50/60Hz)
GENERAL	
Weight	95 Kg / 135 Kg
Dimensions	2290mm x 910mm x 1070mm
Dimensions with Ceph	2290mm x 1750mm x 1070mm

X-VIEW 2D-PAN

SENSOR 2D PANORAMIC	
Sensor Type PAN	CCD, with TDI functionality
Height	15 cm
Image format	15 cm x 30 cm
Exposure time	14,3/15,0 sec (child/adult, standard PAN)
Dynamic range	14 Bit

X-VIEW 2D-PAN-CEPH

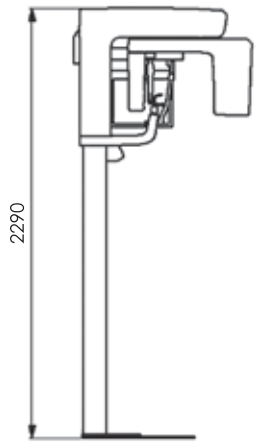
CEPHALOMETRIC IMAGING	
Sensor type	FLAT PANEL phosphor plate with direct on-board image acquisition and trasmission (no need to remove the phosphor plate)
Image Format	24 cm x 30 cm maximum
Exposure type	Single shot
Acquisition time	2 sec
Acquisition time	2 mAs - 30 mAs (0,2 - 3 s)

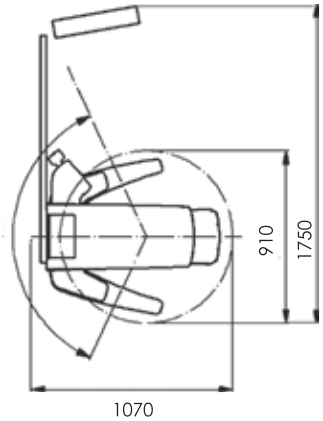
X-VIEW 3D-PAN

PANORAMIC MODE	
Sensor type	FLAT PANEL with CMOS technology
Sensor Area	13 x 13 cm
Exposure time	14,3 / 15,0 sec
3D MODE	
Sensor type	FLAT PANEL with CMOS technology
Field of view	8,5 cm x 8,5 cm (height x diameter)
Detector pixel size	100 µm (200µm in binning 2x2)
Voxel size	160 µm
Tube head rotation	230°
Dynamic range	14 bit gray level (max 16.384)
Scan time	15 sec
3D recconstruction time	< 10 sec

X-VIEW 3D-PAN-CEPH

CEPHALOMETRIC IMAGING	
Sensor type	FLAT PANEL phosphor plate with direct on-board image acquisition and trasmission (no need to remove the phosphor plate)
Image Format	24 cm x 30 cm maximum
Exposure type	Single shot
Acquisition time	2 sec
Acquisition time	2 mAs - 30 mAs (0,2 - 3 s)





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