trident
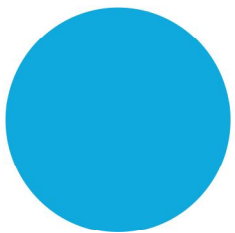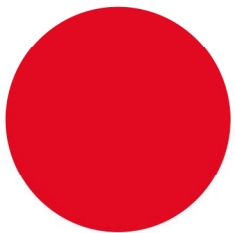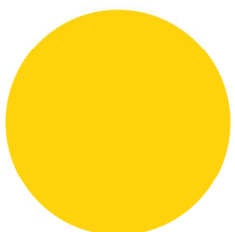
Accept the challenge
Change your view of the world
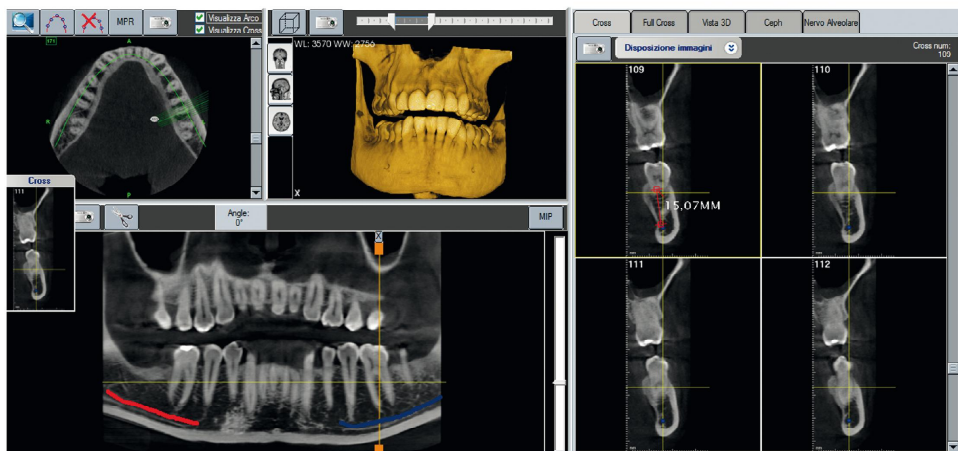
X-VIEW 3D
cone beam

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

- **PANORAMIC 2D**
- **PANORAMIC 2D-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, explaining and guiding the user through the various operations. The software make 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). Main characteristics: **TWAIN** interface, **DICOM 3**.

Speed is the form of ecstasy the technical revolution has bestowed on man
(Milan Kundera)

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.
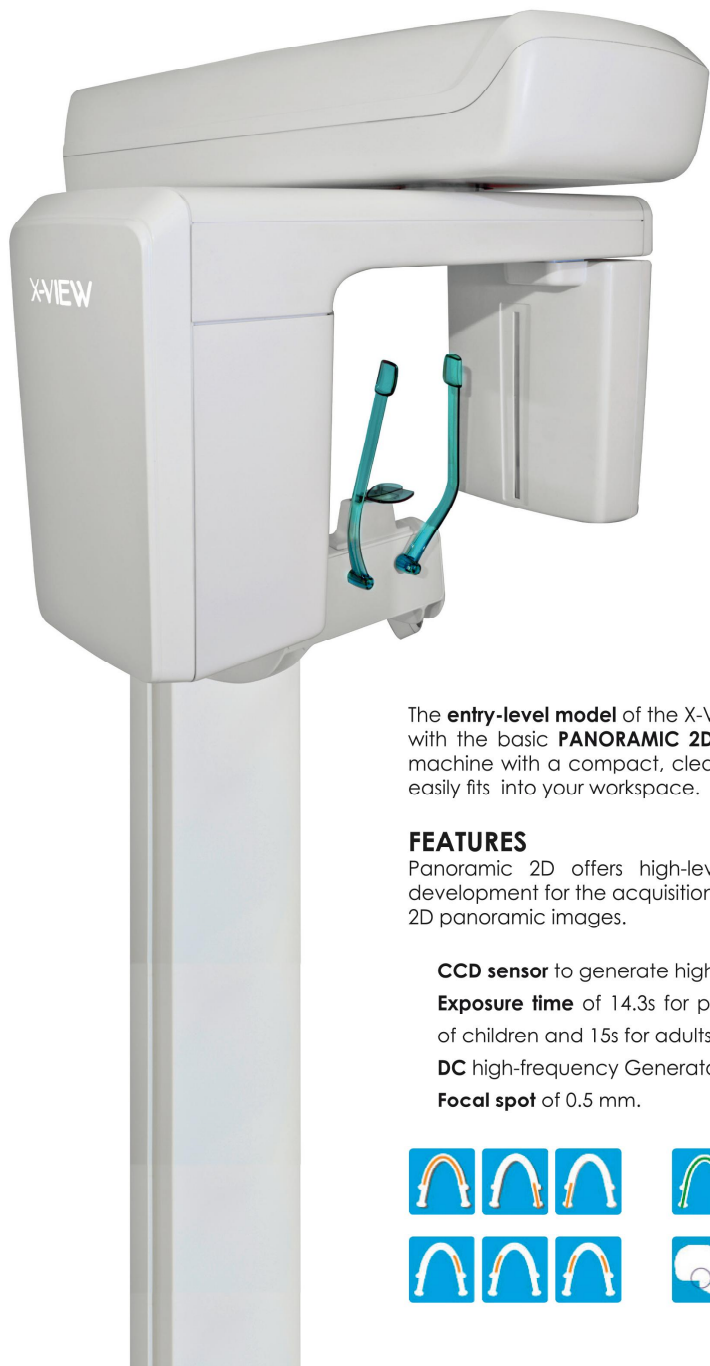
Patient positioning
- Laser lights to keep the patient in appropiate position
- Biting block (for panoramic X-rays) or chin rest (for 3D X-rays) to keep the patient's head stable

X-VIEW 2D PAN

2D PROGRAMS

- Adult panoramic
- Child panoramic
- Bitewing
- Sectoral panoramic
- Paranasal sunuses
- TMJ
- Orthopanoramic
- Reduced radiation panotamic

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.
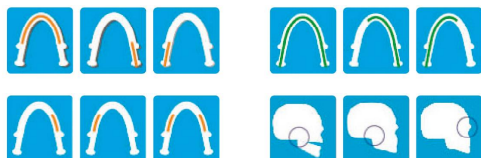
FEATURES

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.
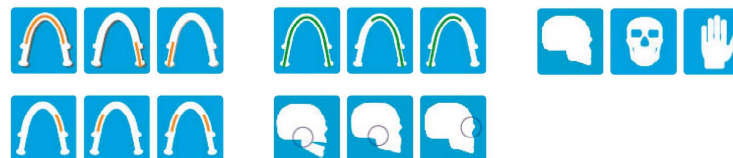
Focal spot of 0.5 mm.

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 make 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, **XView PANORAMIC 2D-CEPH**, thanks to the exclusive **Single Shot** system, is able to significantly reduce exposure time without negatively 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

3D **2D**

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.

An efficient two-in-one solution
To obtain 13 x 30 cm 2D panoramic images, X-VIEW 3D-PANORAMICO 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

3D **2D**

Discover X-VIEW 3D-PANORAMIC–CEPH
for obtaining panoramic, cephalometric and 3D images
all in one
and turn around your view of the world

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 make it possible to obtain 24 x 30 cm high-definition cephalometric images in less than 2 seconds, using the innovative **single-shot** technology.

- 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)

The real **3** in **1**

- **DC Generator**
  A high-frequency (discontinuous) 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 the volumetric construction of an image with a FOV with a diameter of 8.5 cm x a height of 8.5 cm.

X-VIEW
cone beam

GENERAL TECHNICAL INFORMATION

X-RAY GENERATOR

Generator type	High frequency DC
Focal spot	0,5 mm
Total filtration	> 2,5 mm Aleq @ 70 kV
Leakage 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	4 ÷ 10mA 9 steps
Power requirement	230V, 10A, monofase, (50/60Hz)

GENERALE

Peso	95 Kg /135 Kg
Dimensioni	2290mm x 910mm x1070mm
Dimensioni con Ceph	2290mm x 1750mm x 1070mm

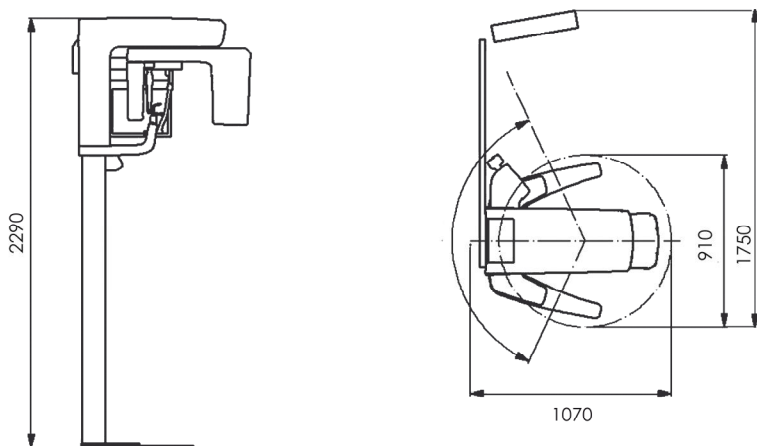## X-VIEW 2D PAN

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 transmission (no need to remove the phosphor plate)
Image Format	24cm x 30cm 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	8,5cm x 8,5cm (height x diameter)
Detector pixel size	100μm (200μm in binning 2x2)
Voxel size	160 μm
Tube head rotation	230°
Dynamic range	14 bit gray level (max 16.384)
Scan tim	15sec
3D reconstruction time	<10sec

X-VIEW 3D PAN CEPH

CEPHALOMETRIC IMAGING

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

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