eagle edge

2D PAN

A COMPREHENSIVE
SOLUTION WITH
A MULTITUDE OF
POSSIBILITIES

DABI ATLANTE

EAGLE EDGE **2D**

(Pan + Ceph)

3 Possible configurations:

PAN

PAN + CEPH (1 sensor)

PAN + CEPH (2 sensors)

The Eagle Edge 2D excels in usability and image quality, featuring optimised filters that adapt images to your needs. Its multi-slice function allows navigation through 41 panoramic slices for precise structural views. Advanced reconstruction algorithms ensure exceptional focus and contrast in every acquisition.

Equipped with a CMOS panoramic sensor, it boasts a 100 µm pixel size and 5 lp/mm resolution. The high-frequency, microprocessor-controlled X-ray generator operates between 140 and 180 kHz, producing 16-bit images with 65,536 shades of gray.

FULLY UPGRADABLE TO 3D · FULLY UPGRADABLE TO 3D ·

Software for imaging acquisition included

Upgrade options:

(at a future date of your choice)

Equipment:

PAN   →   PAN with CEPH

PAN   →   PAN + CBCT SFOV / MFOV

PAN   →   PAN + CBCT SFOV / MFOV with CEPH

Filters

Eagle Edge machines feature optimization filters, including brightness, contrast, and layer thickness adjustments, empowering you to adapt your images to your preferred style. This flexibility ensures that you can deliver the highest-quality images to meet the demands of your target market.
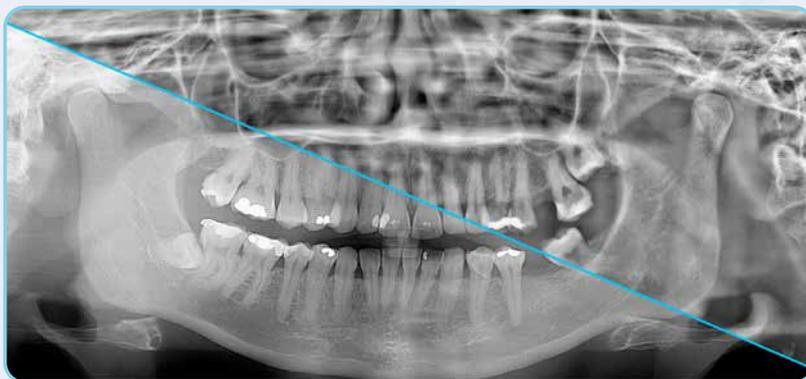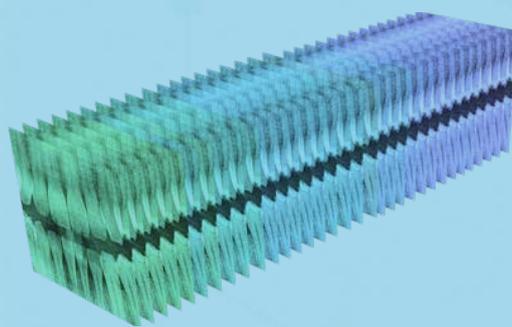

Multi-slice Panoramic

The Multi-slice panoramic captures multiple layers of panoramic images. It is an innovative tool that allows the observation of the desired structures, adding depth to the panoramic examination.

Mobility
Cutting plane

Multilayer
41 layers

Your Upgrade Journey

1

Install
2D Pan

2

Add
Ceph Arm

Upgrade time
Installation   -   20min
Calibration   -   1h

3

Upgrade 2D sensor to 3D
SFOV CBCT sensor

Upgrade time
Installation   -   60min
Calibration   -   3h30min
                    (Excl.
                    Ceph: 3h)

4

Upgrade SFOV sensor to
MFOV sensor

Upgrade time
Installation   -   30min
Calibration   -   3h30min
                    (Excl.
                    Ceph: 3h)

Cost effective · Limited downtime · No noise or dirt disruptions · No time limit to opt-in for upgrades.
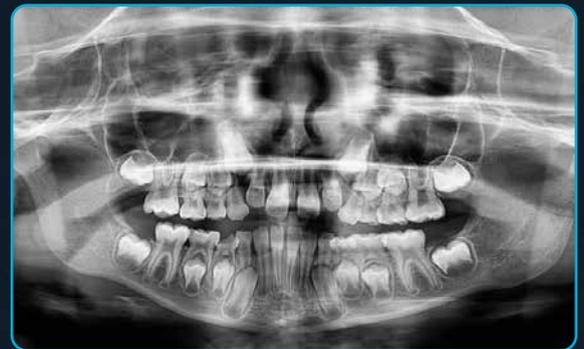
PANORAMIC
CLINICAL IMAGES

Panoramic

Fast Pan

Children's Panoramic

Bitewing

Enhanced Ortho

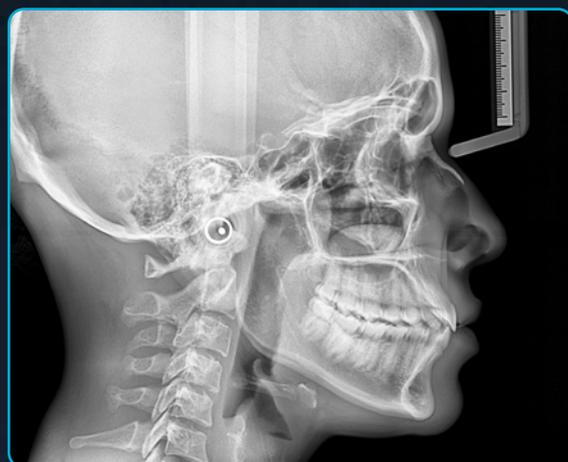### Maxillary Sinuses

TMJ

CEPHALOMETRICAL
CLINICAL IMAGES

Lateral Ceph

Fast Ceph

AP/PA Frontal Ceph

Oblique Ceph

Carpal Ceph

2D ALGORITHMS

**INTELLIGENCE APPLIED TO PANORAMIC EXAMS, GENERATING STUNNING IMAGES.**

Eagle Smart Contrast

An innovative algorithm, working in all parts of the image, to treat and improve the contrast of each area individually. The result is a homogeneous and noise-free image, allowing the clear visualisation of details, and therefore, better diagnosis.

Eagle Eye

Eagle Eye software features an innovative function that delivers a final image with greater detail and definition, especially in the region of incisors and canines, TMJ and root canals.
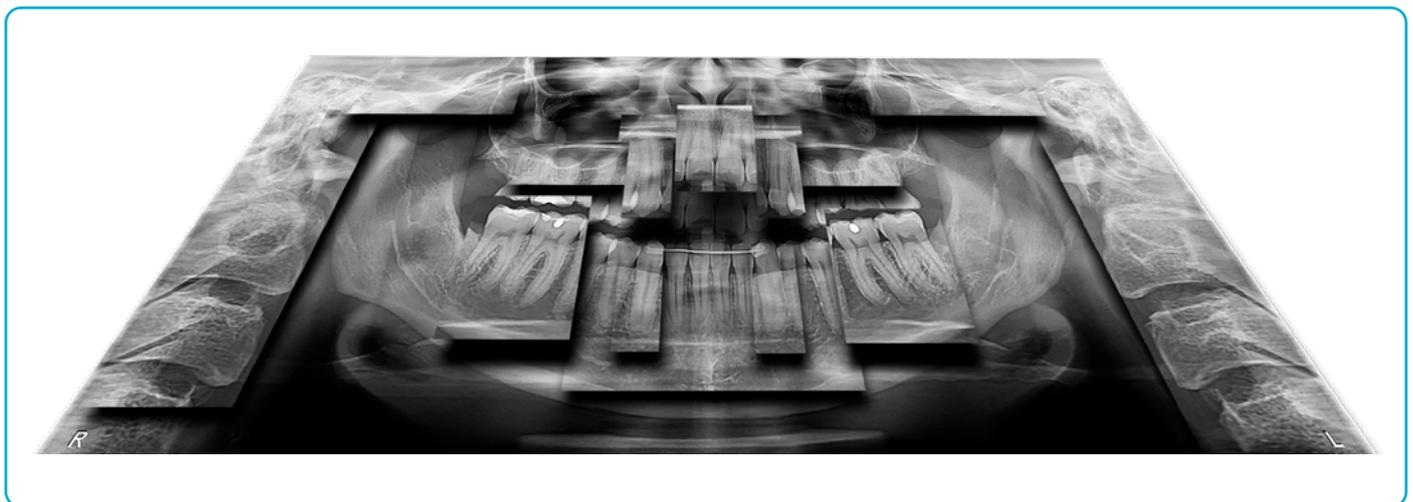

The combination of algorithms allows the reconstruction of an optimised panoramic image. Eagle Eye technology brings the exceptional diagnostic quality to the most challenging cases.

MANAGEMENT SYSTEM
EAGLE EYE SOFTWARE

Eagle Eye is a software focussed on user-friendliness, that examines performance gains in reporting. It assists professionals in accomplishing what they need to in as few clicks as possible - facilitating patient flow.

Dental Imaging Software - Eagle Eye: Anvisa 10101130091
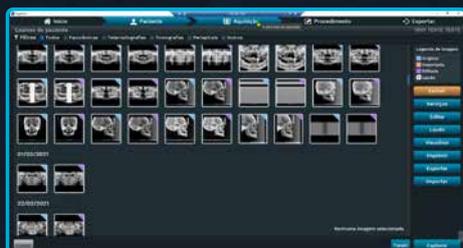
REGISTER

Simple and intuitive: register users (with different levels of permission), dentists and patients.

SEARCH

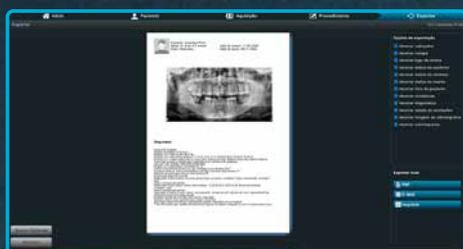Focussed on user-friendliness: search for users, dentists and patients.

CAPTURE AND EDIT

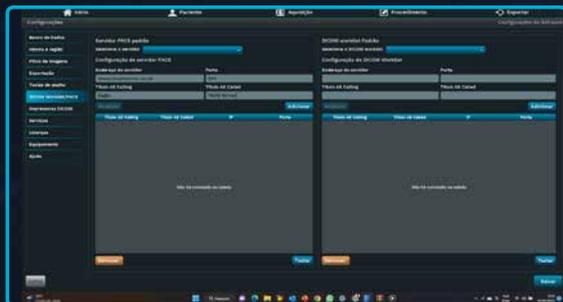Capture 2D and 3D images, and edit 2D images, all in the same software.

EXPORT

Export images and DICOM files in formats compatible with most software systems worldwide.

PANORAMIC REPORTS

Speed and practicality: Perform panoramic reports directly in the acquisition software.

Eagle Eye **Connection**

The Dicom Worklist tools, communication via PACS, and acquisition via TWAIN driver, enable immediate sending of images generated by the equipment, to all of the leading image management and sharing programmes.

Eagle Eye **IP (Implant Planning)**

Implant Planning is a tool that allows you to simulate implants directly on your computer.

You can simulate the position of implants in two-dimensional imagery, identify the mandibular canal and take measurements.
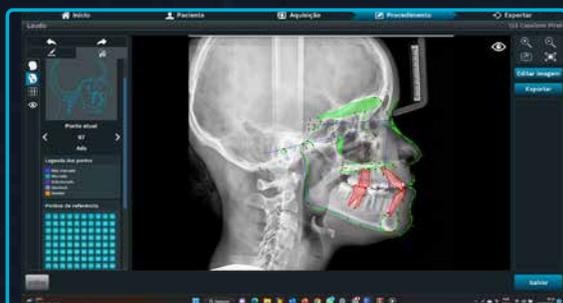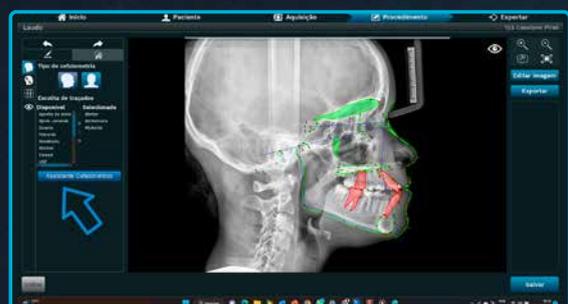

Eagle Eye **Ceph (Manual)**

A software tool for manual cephalometrical trace reports. (Available protocols: MCNAMARA, USP, Ricketts, Steiner, Rocabado, Tweed, among others.)

Eagle Eye Ceph **AI Diagnostic ***

Applying scientifically recognised protocols, Artificial Intelligence accelerates productivity in complex analyses and adds efficiency to your business.

* Optional

PRODUCT
SPECIFICATIONS

		EAGLE EDGE 2D
PRODUCT	MODEL	AXR90
	FOCAL SPOT (mm)	0.5
	SENSOR TECHNOLOGY	CMOS
	RESOLUTION	5 lp/mm
	PIXEL SIZE	100µm
	FORMAT	16-BIT
	X-RAY GENERATOR	HIGH FREQUENCY
	RANGE OF OPERATION	140 - 180 kHz
	CONTROL	MICROPROCESSOR
	MULTI-SLICE FEATURE	41 LAYERS
	CEPH	O (1 OR 2 SENSORS)
	TUBE VOLTAGE (kV)	60 - 90
	TUBE CURRENT (mA)	3.2 - 16
	POWER SUPPLY VOLTAGE (V)	50/60 Hz, 115-120 V AC ±10% OR 230-240 V AC ±10%
	BITE BLOCKS	5 BITE BLOCKS & 3 CHIN RESTS
IMAGE PROGRAMMES	SOFTWARE - LICENSES	EAGLE EYE (1 SERVER + 5 CLIENTS)
	ADULT PAN	S
	INFANT PAN	S
	FAST PAN	S
	SINUSES	S
	TMJ	S
	BITE WING	S
	IMPROVED ORTHO	S
	MULTI-SLICE	S
	2D FILTERS - ACQUISITION MODE (ORIGINAL, 1, 2, 3) AND OPTIMISED AUTO PAN	S
SOFTWARE: EAGLE EYE	PATIENT AND EXAMINATION MANAGEMENT	S
	TWAIN	S
	IMAGE MANAGEMENT	S
	POST IMAGE PROCESSING	S
	EXPORT TO EMAIL	S
	DICOM (IMPORT, SAVE, SEND)	S
	MEASUREMENTS AND NOTES	S
	PRINT TEMPLATE	S
	EAGLE CONNECTION (GENERATION OF VIEWS, PACS COMMUNICATION, DICOM WORKLIST)	S
	EAGLE CEPH (CEPHALOMETRIC TRACE)	S
	EAGLE EYE IP (IMPLANT PLANNING)	S
	CEPHALOMETRY - IMAGE SIZE	S
	CEPHALOMETRY - ARTIFICIAL INTELLIGENCE	O
UPGRADES	CEPH	S
	3D - SFOV	S
	3D - MFOV	S

S: STANDARD
O: OPTIONAL (module sold separately)

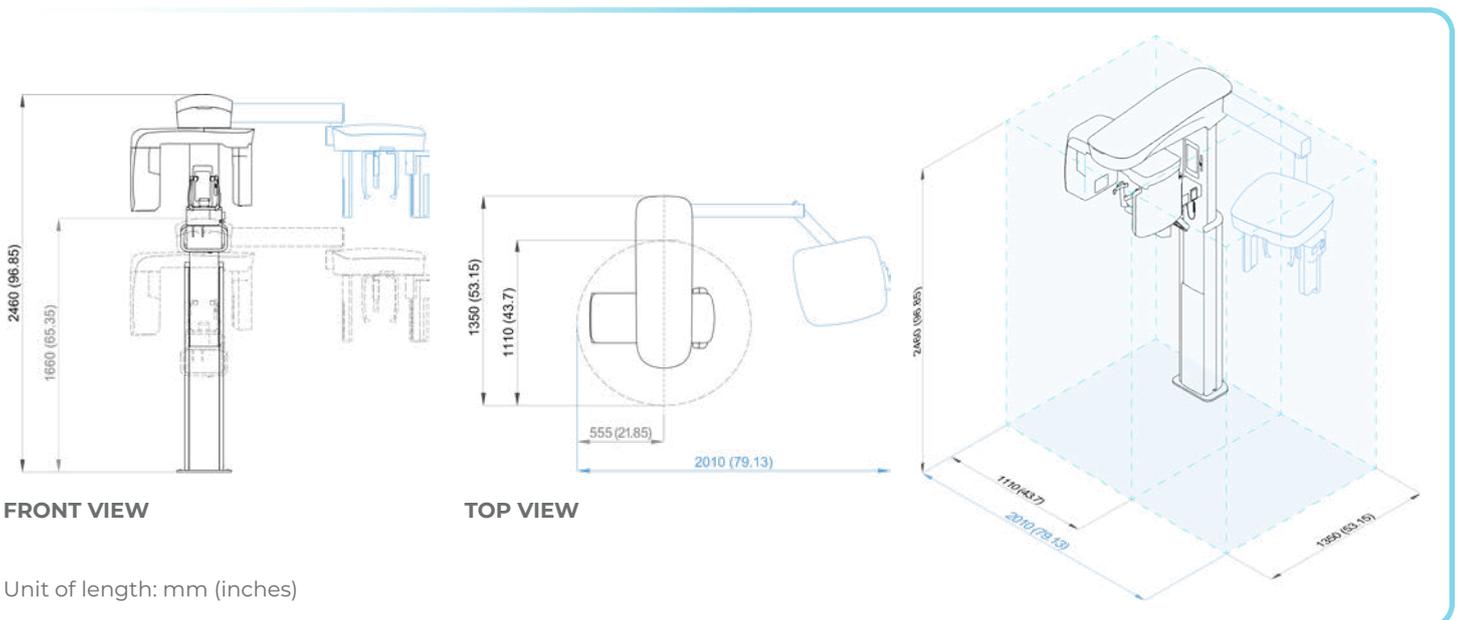**✳ ACCESSIBLE FOR PATIENTS IN WHEELCHAIRS**

COMPUTER CONFIGURATION
MINIMUM REQUIREMENTS

For optimal performance, we recommend that the computer connecting to Eagle products, meet the minimum recommendations presented in the table below.
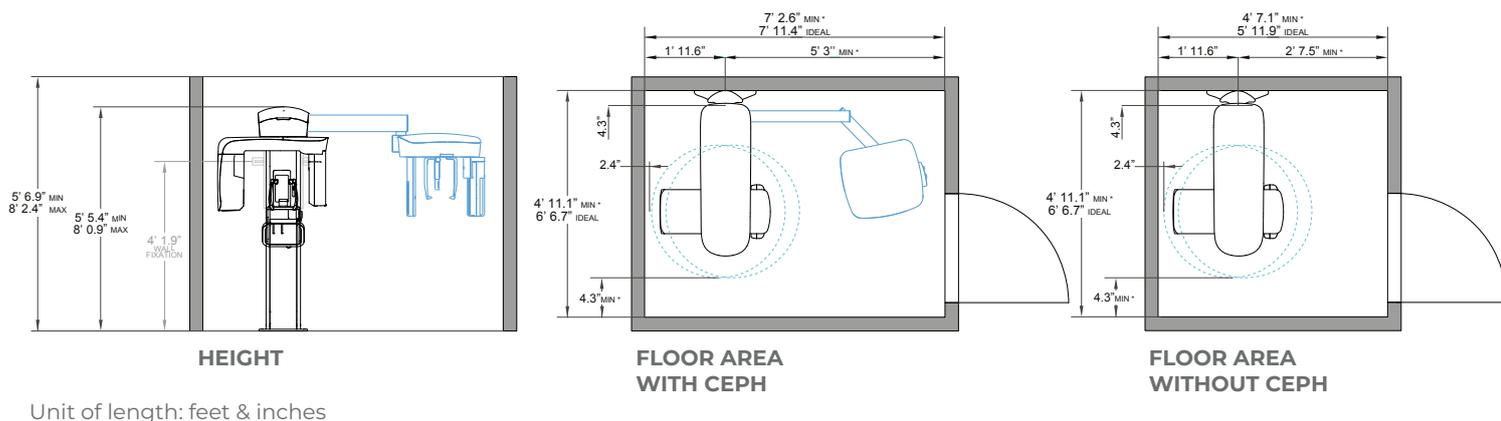
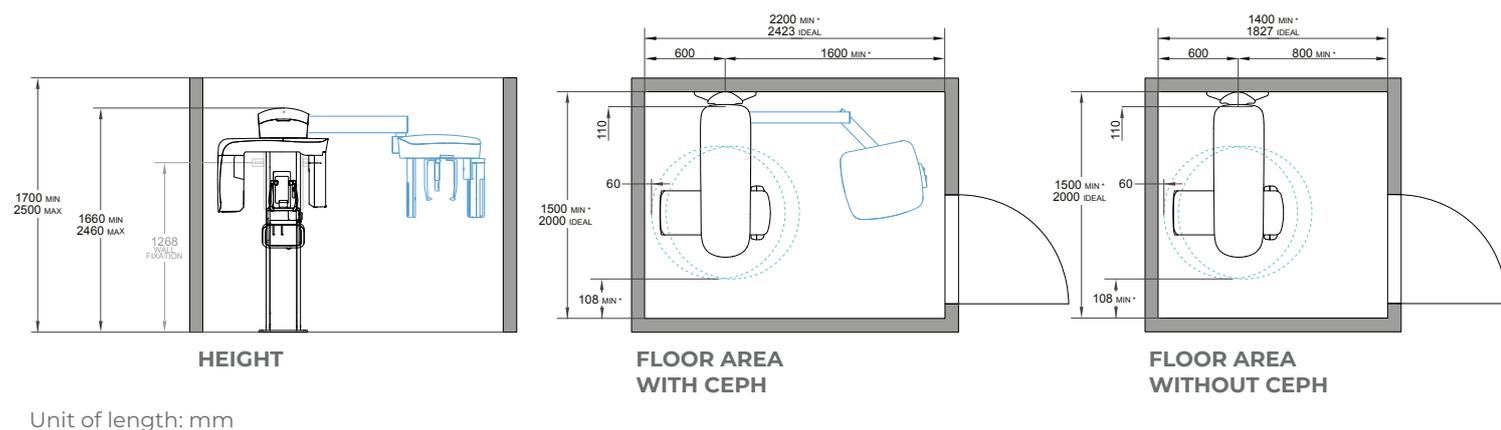| Product	2D	For Your Upgrade Journey
Operating system	Windows 10 Professional - 64 BIT	Windows 10 Professional - 64 BIT
CPU	Intel Core i5 Gen 10 Cache 12 MB 4.0 GHz or superior	Intel Core i7 Gen 10 Cache 12 MB 4.0 GHz or superior
HDD	1 TB	1 TB
RAM	8 GB (DDR4)	16 GB (DDR4)
USB 2.0	1 USB Port	2 USB Ports
PCI Express	PCI Express (PCIe)	PCI Express (PCIe)
Dedicated network card	Gigabit Ethernet (1000Mb/s), JumboPacket 9KB (Intel i350-T1, Intel Gigabit CT, PCE-1G-01-LP)	Gigabit Ethernet (1000Mb/s), JumboPacket 9KB (Intel i350-T1, Intel Gigabit CT, PCE-1G-01-LP)
Power supply	400W or superior*	500W or superior*
Monitor	Resolution 1920x1080	Resolution 1920x1080
Video card		NVidia Geforce RTX 4060 8GB or superior. Recommended for faster rebuilds: NVidia GeForce RTX 4070 12GB or superior

DIMENSIONS

FRONT VIEW

TOP VIEW

Unit of length: mm (inches)

RECOMMENDED
ROOM SIZE

Imperial dimensions

HEIGHT

**FLOOR AREA
WITH CEPH**

**FLOOR AREA
WITHOUT CEPH**

Unit of length: feet & inches

Metric dimensions

HEIGHT

**FLOOR AREA
WITH CEPH**

**FLOOR AREA
WITHOUT CEPH**

Unit of length: mm

* Minimum room lengths are only viable for rooms with a sliding, or outward opening door.

Local guidelines may vary. Seek guidance from your local health authorities for further information and requirements regarding the installation and operation of the equipment.

ACQUISITION SOFTWARE
PANORAMIC

After selecting a patient and clicking the Select icon, the software will display the capture screen.
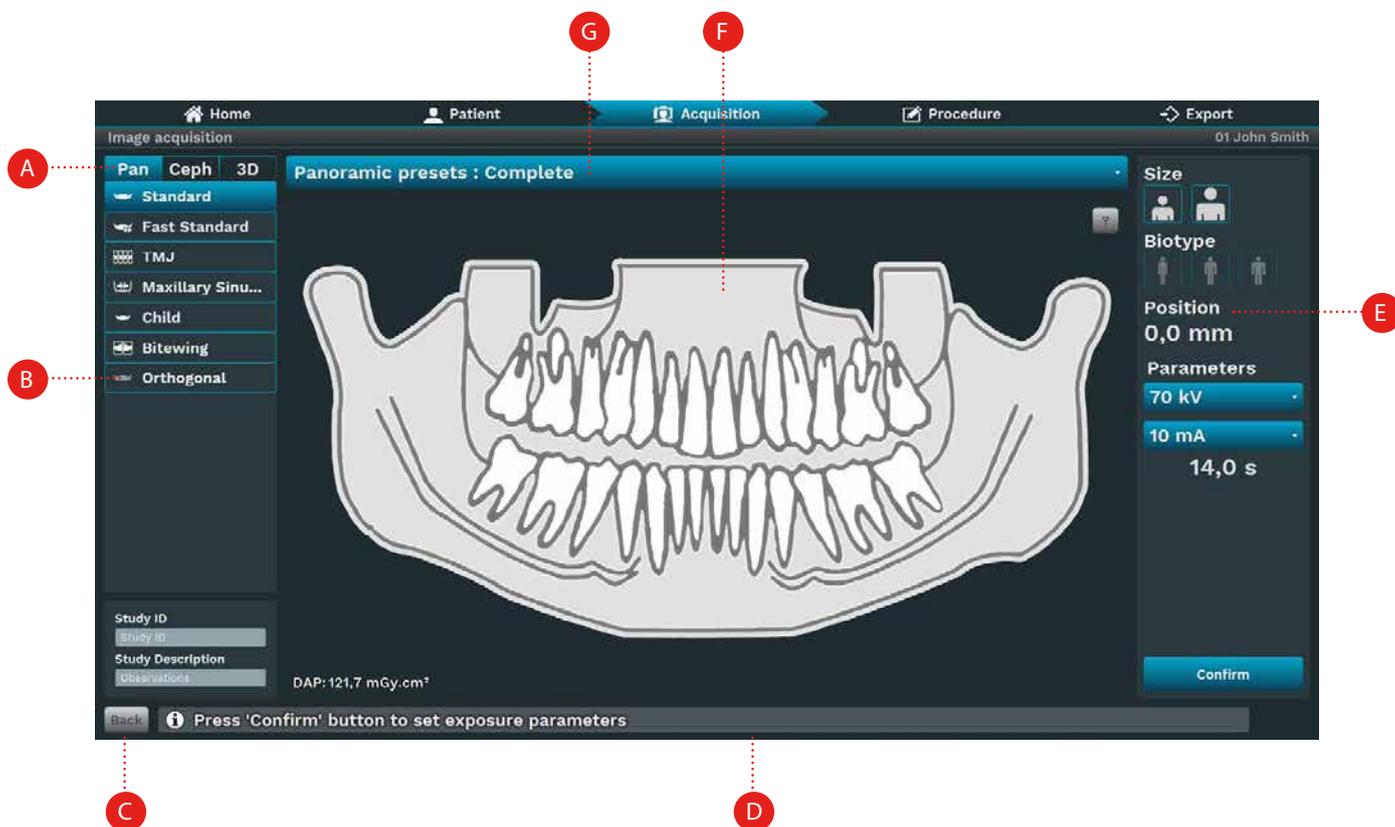
Description

A. Exam type: Choose among Pan, Ceph 3D or Scan exams options depending on the equipment model.
B. Program type: Choose among the programs according to the exam type. The program is enabled according to equipment model.
C. Back: Return to previous window.
D. Status Bar: Display the state of the equipment with operating messages.
E. Exposure parameters:

· Size: Child or Adult
· Biotype: Small, Medium or Large
· Kv Value
· mA value
· Time: Exposure time in seconds
· Canine position: Position of canine laser in millimeters

F. Profile drawing: View a profile drawing according to the profile type.
G. Profile Region: Click to choose the profile region:

· Complete
· Left segment
· Central segment
· Right segment

SECTION IMAGE PROCESSING

The equipment allows you to provide sectional images (left, right or center).

LEFT SECTION

This exposure has constant vertical magnification in the left dental arch region, excellent cut plane width and prioritizes homogeneity of exposure throughout the image.

RIGHT SECTION

This exposure has constant vertical magnification in the right dental arch region, excellent cut plane width and prioritizes homogeneity of exposure throughout the image.

CENTER SECTION

This exposure has constant vertical magnification in the left dental arch region, excellent cut plane width and prioritizes homogeneity of exposure throughout the image.

PANORAMIC
RADIOLOGIC INFORMATION

Radiologic information

SPECIFIC INFORMATION FOR PANORAMIC RADIOGRAPHY PROGRAMS	
Exposure Time	Standard: 14s Fast panoramic: 10s Improved orthogonality: 14s Infant: 10s Maxillary sinus: 8s TMJ: 10s TMJ PA: 10s Bitewing: 7.6s Lateral section: (left or right): 6s Center section: 3.5s
Cooling Period	Automatically controlled

Image magnification

EXAM	SOURCE-IMAGE DISTANCE (SID)	SOURCE-OBJECT DISTANCE (SOD)	MAGNIFICATION FACTOR
Panoramic/Tomography	620 mm	400 mm	1.55
Cephalometric	1732.5 mm	1473.65 mm	1.17

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