VILLA INDIA

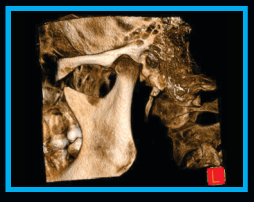
Cone Beam 3D Imaging
NewTom
what's next

OPG | CEPH | CBCT

MADE IN EUROPE MADE IN

Guided Alignment
Three laser guides allow rapid and precise positioning of the patient.

GO 3D with CEPH



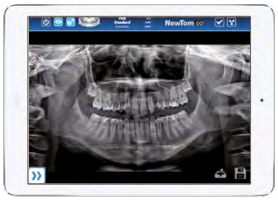
GO 3D

AVAILABLE IN 4 CONFIGURATIONS

OPG | OPG WITH CEPH | OPG WITH CBCT | OPG WITH CEPH & CBCT

SAFEBEAM™

SafeBeam™ technology developed and patented by NewTom automatically adapts the radiated dose to the patient's anatomical characteristics in the chosen examination area, thus avoiding exposure to an unnecessarily high dose. An exclusive function that allows GO 2D/3D to control both power and intensity of radiations, and to obtain clear and detailed 2D and 3D images regardless of patient bone dimensions and density.

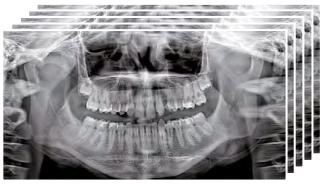


VIRTUAL CONSOLE FOR PC & IPAD *OPTIONAL@ADDITIONAL

Rapid and user-friendly image acquisition with the virtual console on PC or a dedicated software for iPad. The operator follows all examination phases, from the choice of an examination to scan start.

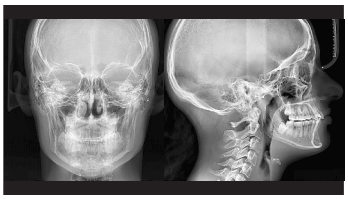
MULTI PAN & ORTHOGONAL

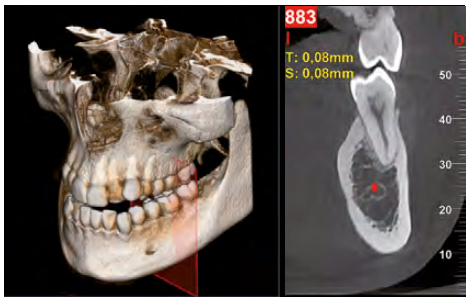
Without any increase in dose, a single scan in the exclusive MultiPAN mode can generate a set of 5 panoramic images corresponding to five different focal planes. Operators can choose the most suitable one for their specific diagnostic needs. Morepver, the PAN ORHTO function capture the dental arch image orthonally to better highlights interproximal spaces and the entire root structure without any overlap.

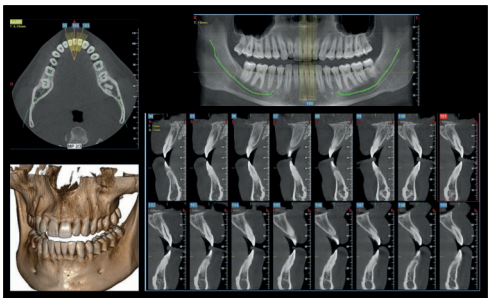


NEW CEPH HR FUNCTION

The highly compact teleradiographic arm completes the available 2D functions with a wide range of CEPH tests carried out with dedicated protocols for high-resolution imaging. With collimation designed to reduce X-ray doses and quick scan times the focus is on the patient's health.







	2D	3D
Magnification	PAN: 1.2 - 1.3 CEPH: 1.13	1 to 1 (Isotropic voxel)
Scan time	PAN: 13.7 s (ORTHO), 12.2 s (STD), 6.8 s (ECO) CEPH: 9.9 s (REG); 3.7 s (ECO)	BEST QUALITY: 16.8 s (High Resolution) REGULAR QUALITY: 9.6 s (Standard) ECO QUALITY: 6.4 s (Low Dose)
Estimate of typical effective dose (ICRP 103)	PAN: 5 - 9 µSv	FOV: 10x10 | 35 µSv (Voxel 160 µm) - 121 µSv (Voxel 80 µm) FOV: 6x6 | 9 µSv (Voxel 160 µm) - 40µSv (Voxel 80 µm)

X-RAY GENERATOR

VERSION	2D PAN & 2D PAN-CEPH	3D PAN & 3D PAN-CEPH
Focal spot	0.6 mm (IEC 60336)	0.6 mm (IEC 60336)
Anode voltage	60 kV – 85 kV continuous emission 60-70 kV continuous emission (PAN version only)	2D mode: 60 kV – 85 kV continuous emission 3D mode: 90 kV (pulsed mode)
Anode current	4 mA - 15 mA	

DETECTOR

FUNCTION	2D PAN & 2D PAN-CEPH	3D and PAN
Type	CMOS (CsI)	Amorphous Silicon (CSI)
Dynamic range	14 bit (16,384 grey levels)	16 bit (65,536 grey levels)

ERGONOMICS

Patient positioning	Suggestion from virtual control panel - Servo-assisted alignment, 3 laser guides (Class 1 - IEC 60825-1) - 3D Scout View

Villa India
C-184, Naraina Industrial Area
Phase-1, New Delhi - 110028

Toll Free No : 1800 202 1960
M : +91 99100 28321

E : welcome@villaindia.com
W : www.villaindia.com