SEE BEYOND THE FRAME

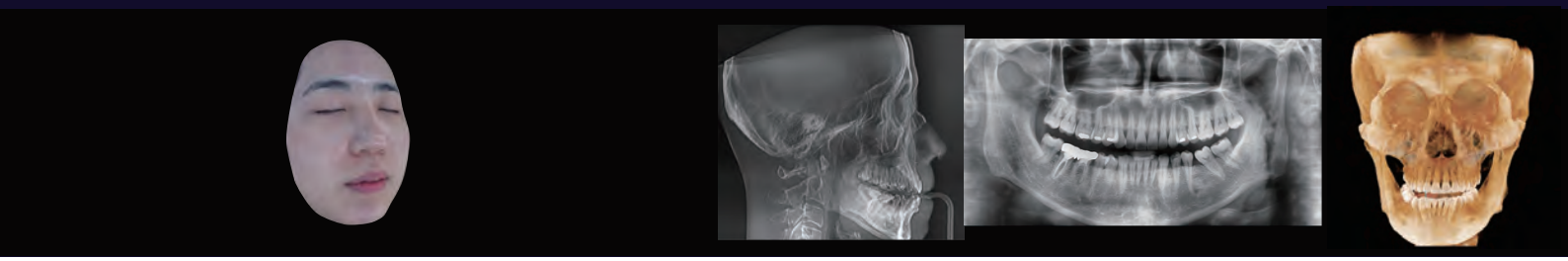
Green X 21™



- 6-IN-1 DIGITAL X-RAY
  (ENT CT, DENTAL CT, FACE SCAN, MODEL SCAN, CEPH, PANO)
- INTELLIGENT FOCUS
- AUTO PANO
- FAST ONE SHOT CEPH SCAN
- LARGE FOV & DOUBLE SCAN
- ENDO MODE WITH HIGH RESOLUTION
- IMPROVED PANO IMAGE QUALITY
- FACE SCAN

STEP INTO THE ULTIMATE 6-IN-1 DIGITAL X-RAY REVOLUTION

The Green X 21 is a high-resolution 3D digital X-ray system designed to deliver panoramic, cephalometric, and 3D imaging for comprehensive diagnostic applications. It provides detailed assessments of the dento-maxillofacial, sinus, temporomandibular joint (TMJ), and ENT regions for both adult and pediatric patients. Additionally, it supports carpal imaging for orthodontic treatment planning.
With its 3D photo scan data integration, Green X 21 enhances patient consultations by offering a more intuitive and reliable treatment planning experience. Equipped with cutting-edge technology, precise imaging, and a user-friendly design, Green X 21 is the ultimate X-ray solution for modern dental practices.



High-Resolution Imaging with Flexible Scanning Options

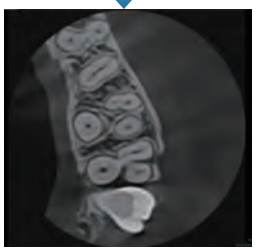
INTELLIGENT FOCUS

Intelligent Focus is a 3D capture mode that delivers high-resolution 4×4 cm images of user-selected areas.

Additionally, it offers the option to generate a 2D panoramic image and a 3D 12×9 cm scan in a single acquisition, enhancing diagnostic flexibility and efficiency.



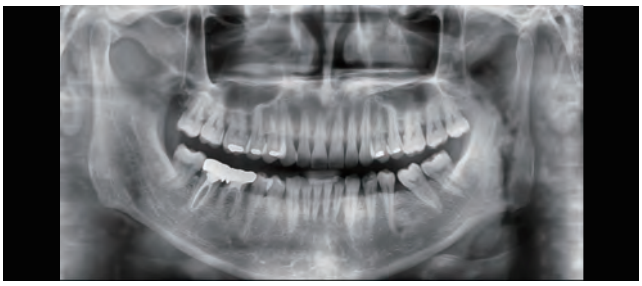
Select the areas in Noraml CT
(Max 3 areas)



Get high-resolution image

AUTO PANO

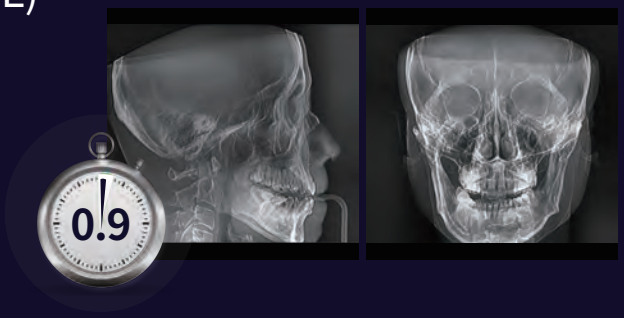
As an option available for 3D CT scans with FOV 21x19, 18x15, or 12x9, a high-quality 2D panoramic image is automatically generated, streamlining the imaging process.



High-Quality Imaging with Minimal Radiation

CEPHALOMETRIC (ONE-SHOT TYPE)

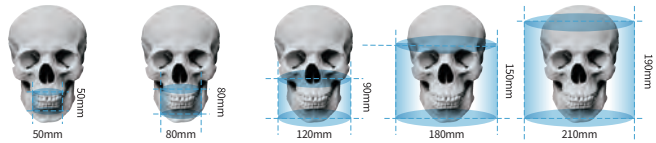
One Shot Ceph enables high-resolution image acquisition with significantly reduced x-ray dosage. Its ultra-fast 0.9-second scan time minimizes motion artifacts, ensuring sharp and reliable images with enhanced patient comfort.



Versatile Imaging with Multiple Selectable FOV Options

MULTI FOV SELECTION

Versatile Imaging with Multiple Selectable FOV Options.
The Green X 21 provides a wide range of selectable Fields of View (FOV) to accommodate various diagnostic needs. By selecting the appropriate FOV, users can minimize patient radiation exposure while capturing only the necessary region of interest, ensuring both safety and diagnostic efficiency.

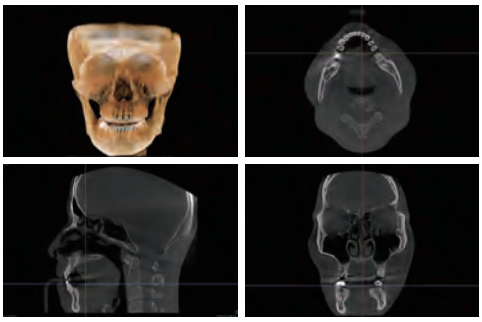


	FOV 4x4 / 5x5	FOV 8x5 / 8x8	FOV 12x5 / 12x9	FOV 18x15	FOV 21x19
REGION	- Single tooth capture	- Central dentition - TMJ (R or L)	- Dual arch including sinus and nerve - TMJ (R or L)	- Back border of jaw (Ramus) - Dual arches back to the 3rdmolars plus sinus - Central incisor to spine	- Oral and maxillofacial surgery - Facial reconstructions - Orthodontic treatment planning - Complex orthognathic cases
CLINICAL IMPLECATION	- Implant single site - Endo - Perio - Complex impaction (3rd) - OMS - Supemumerary : Ortho	- Implantology - Guided Surgery - General Dentist - OMS - Orthodontics	- Surgical guides - Sinus lifts - Bone grafting - Bi lateral sinus augmentation	- Surgical Guides - Sinus lifts for both sinuses - Complex orthognathic cases - Simultaneous diagnosis for both TMJs	- Complete head with Sinuses and TMJ - Airway - Orthothontics

The Ideal FOV Size for Comprehensive Diagnosis

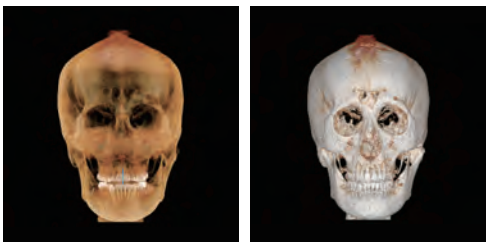
LARGE FOV

The 21×19 cm FOV is the optimal choice for oral and maxillofacial surgeons and orthodontists, providing a broad anatomical view. It captures structures from the roof of the orbits and the nasion down to the hyoid bone, ensuring a complete and detailed diagnostic assessment.



DOUBLE SCAN

The Double Scan technology provides FOV 21x26 imaging, offering clinical value not only for general dental treatment but also in various fields such as oral and maxillofacial surgery, orthodontics.



Enhanced Imaging Features for Greater Efficiency

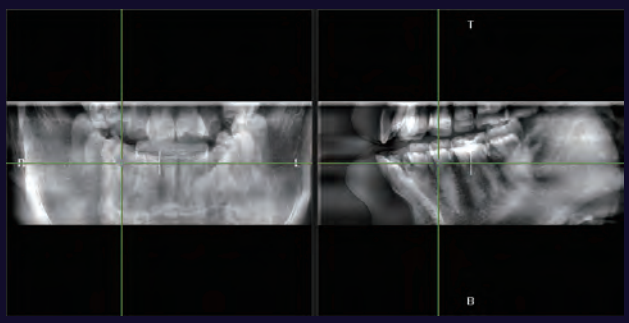
ENDO MODE

The Endo Mode features a 4×4 cm FOV and an ultra-fine 50-micron voxel size, enabling highly detailed imaging of focused regions of interest. This makes it an ideal solution for endodontic procedures, providing dentists with exceptional image clarity and precision for accurate diagnosis and treatment planning.



SCOUT VIEW

An optional preview mode available for FOV 12×5, 8×5, 5×5, and Endo Mode, allowing users to verify the imaging area before the actual scan, ensuring precise image acquisition.



Enhanced 2D Imaging with Multi-Focal

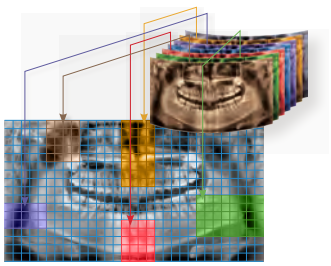
INSIGHT PAN

Insight PAN is a selectable 2D capture mode that scans only the designated area, optimizing image acquisition for specific diagnostic needs.
Unlike conventional 2D panoramic imaging, it produces multiple 2D images with different focal points in a single scan, enabling users to examine hard-to-access regions with greater clarity and precision.



MAGIC PAN

With Magic PAN technology, the panoramic image quality is excellent, providing clearer views of the anterior teeth, TMJ, and root canals.





Advanced 3D Facial Imaging for Orthodontic Excellence

FACE SCAN

Face Scan is a selectable feature that captures high-resolution 3D images of the patient's face, enabling seamless integration with CT scans for a comprehensive orthodontic assessment.

Available when selecting FOV 21×19, 18×15, or 12×9, this feature is being introduced for the first time in our system. By aligning 3D facial images with CT data, FACE SCAN enhances orthodontic treatment planning and provides dentists with a powerful tool for more effective patient consultations.



Enhanced Positioning Visibility

Puddle Lamp

For the first time in our product line, we have introduced the Puddle Lamp to assist with accurate patient positioning. Its intuitive guidance allows practitioners to easily verify the patient's position at a glance, enhancing both convenience and imaging precision.



An optimized interface for an intuitive user experience

Operation Panel

The control panel is designed for seamless and efficient operation, allowing users to easily adjust and control key system components.
It features ergonomically arranged buttons to manage the column height, chin rest positioning, laser alignment, and rotating unit, ensuring seamless workflow for practitioners.



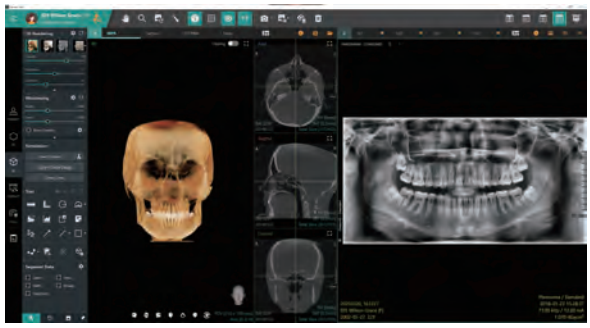
CLEVER ONE
: COMPREHENSIVE IMAGING & DATA MANAGEMENT

Clever One integrates and manages acquired images and data,
enhancing their clinical utility through advanced processing and automation.



Integrated Management of Images and Data

Clever One provides an integrated view of 2D & 3D images on a single screen, enabling end users to intuitively understand diagnostic support data. Additionally, it organically links and manages various imaging data, allowing for more systematic and efficient utilization of imaging resources.



Efficient Treatment Planning

Pathology Detection

By integrating with the AI Diagnosis Assistant service,
it automatically detects cavities, bone loss, and lesions, providing primary diagnostic support.

3D Segmentation

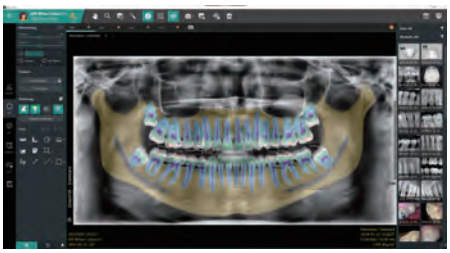
It precisely detects and analyzes anatomical structures, including key components essential for dental treatment.

Implant Planning Support

It measures the distance between the implant and the inferior alveolar nerve.

Endo Support

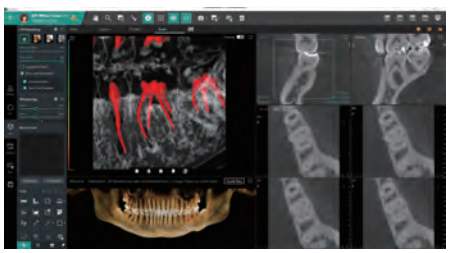
It supports root canal measurement, making it easier to identify root canal types.



*AI Pathology Detection



*Implant Planning Support



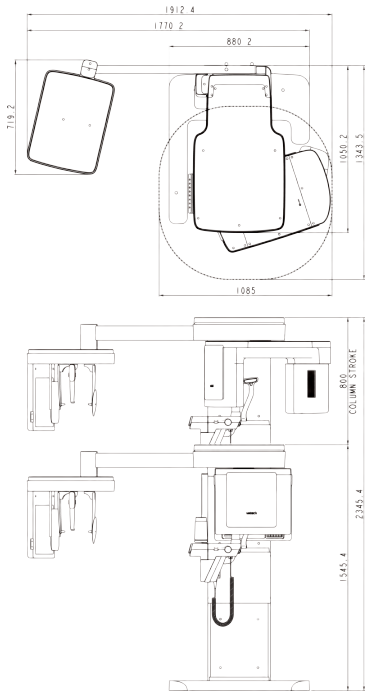
*Endo Support

Specifications [Green X 21 : PHT-90CHO]

Function	CT + Pano + Ceph + Model Scan		
CT FOV Size	4x4(Endo), 5x5, 8x5, 8x8, 12x5, 12x9, Smart Focus, 18x15, 21x19		
Voxel Size	4x4(Endo)	0.05mm	
	5x5	0.08mm / 0.12mm	
	8x5 / 8x8	0.12mm / 0.2mm	
	12x5 / 12x9	0.12mm / 0.2mm / 0.3mm	
	Smart Focus (12x9)	0.2mm / 0.3mm	
	18x15	0.2mm / 0.3mm	
	21x19	0.2mm / 0.3mm	
Scan Time (High Resolution / Green)	Pano	14.1 sec / 7.5sec	
	Ceph	0.9sec	
	CBCT	5x5, 12x5, 18x5(Scout)	14.5sec
		4x4(Endo)	18.1sec
		5x5 / 8x5 / 8x8 / 12x5 / 12x9	7.1sec
		Smart Focus	18.1sec
		18x15 / 21x19	18.3sec
Gray Scale	16-bit		
Tube Voltage / Current	Pano	60 ~ 90 kVp / 4~14 mA	
	Ceph	60~99 kVp / 4~15mA	
	CBCT	60~99 kVp / 4~12mA	
Weight	Without CEPH unit	165.4kg (364.64 lbs - without Base)	
		220.7kg (486.56 lbs - with Base)	
	With CEPH unit	190.0kg (418.88 lbs - without Base)	
		245.3kg (540.79 lbs - with Base)	

Dimension [Unit: mm]

WITH CEPH



TOP VIEW

FRONT VIEW

WITHOUT CEPH

