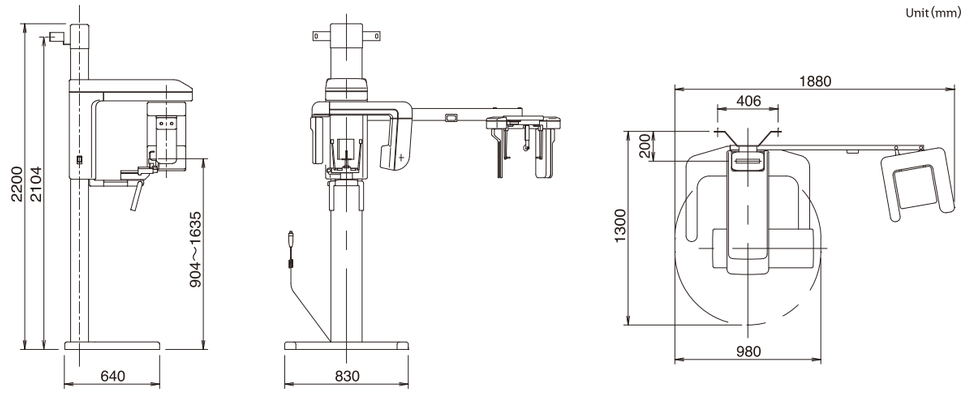
Specifications

Product name	Digital Panoramic X-ray Unit Hyper-X series
Type	Hyper-G CM
Rated Voltage	100/110/120/200/220/230/240V 50Hz/60Hz 1φ
Power requirement	2.0 kVA
High voltage generator	High Frequency Inverter Method (100 kHz)
Tube voltage	60 to 90 kV (1 kV step)
Tube current	2 to 12 mA (2 mA step)
Radiography method	Manual exposure
X-ray tube	D-052SB
Focal spot	0.5 mm
Total filtration	2.5 mm Al (min)
Exposure mode	Panoramic : Adult/Child/Orthoradial TMJ : PA/Lateral Cephalometric : PA/Lateral
Exposure time	Panoramic : 7 sec/12 sec Maxillary Sinus : 8 sec TMJ : PA 3sec (×2times) / Lateral 3 sec (×4times) Cephalometric : PA 4sec / Lateral 2.9sec (Short time), 4sec (Normal mode)
Image magnification	Panoramic : 1.21 to 1.36 Maxillary Sinus : 1.20 to 1.22 TMJ : PA Approx 1.88 / Lateral Approx 1.24 Cephalometric : PA & Lateral 1.1
Image sensor	CMOS sensor
Positioning beam	3 beams(median, ear-eye plane, anterior teeth)
Dimensions	W:1,880×D:1,300×H:2,200 mm
Weight	Approx. 214 kg

Dimensions

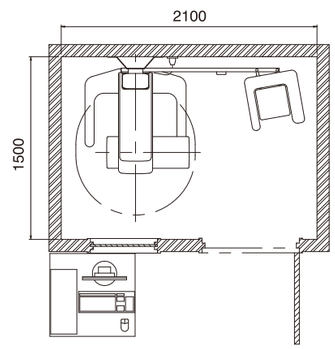
Unit (mm)



Footprint

[X-ray room]
Ceiling height:2300

Unit (mm)



*For optimum installation site,
contact our sales representative.

Imaging new visions.
ASAHIROENTGEN

Hyper-G CM
Pan+Ceph

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※Specifications and appearance are subject to change without preliminary notice for further improvement.

210226 B01-C145E-G-Rev.1

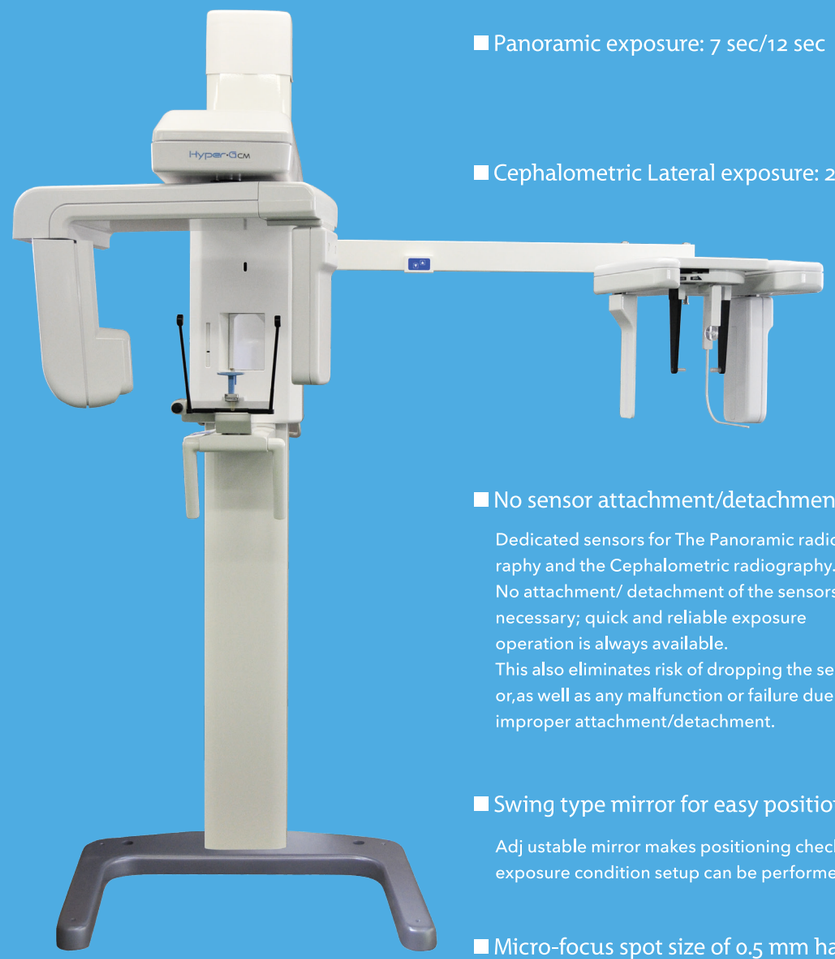
No attachment/detachment of the sensor is required.

Improved quality of Panoramic/Cephalometric imagin

Our unique image processing technology has attained a higher level of image quality through frequency domain processing and elimination of image noise.
Panoramic images minimize the course appearance of mandibular joints/ and posterior teeth (a typical characteristic of photographic film images), assisting the diagnosis of caries or inflammation, cephalometric images are optimum for orthodontics.

Panoramic exposure: 7 sec/12 sec

Cephalometric Lateral exposure: 2.9 sec/4 sec



Hyper·Gcm
Hyper-G CM

No sensor attachment/detachment required

Dedicated sensors for The Panoramic radiography and the Cephalometric radiography.
No attachment/ detachment of the sensors is necessary; quick and reliable exposure operation is always available.
This also eliminates risk of dropping the sensor,as well as any malfunction or failure due to improper attachment/detachment.


Panoramic sensor


Cephalometric sensor

Swing type mirror for easy positioning

Adj ustable mirror makes positioning checks easy. Via the PC screen, quick one-touch exposure condition setup can be performe

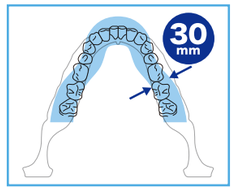
Micro-focus spot size of 0.5 mm has been adopted

Micro-focus spot size realizes high-precision digital X-ray images.

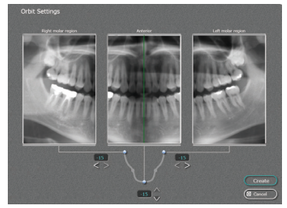
Tomosynthesis

Acquisition of Panoramic images in Tomosynthesis mode provides image data with a slice depth of 30mm.
It is now possible to clearly see the blurring of the anterior teeth image area even in positioning failure.

*For children, the acquisition area of panoramic image data is different.
*This function is available only in NEOPREMIUM2.

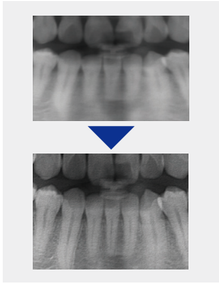


Automatic display can be performed with optimal slice positioning for the anterior teeth, from a region with a slice depth of 30 mm.



It is further possible to select an image from each of the anterior teeth and the left and right molars to obtain a set of images best matching the shape of the patient's dentition.

*Once a custom path has been saved, you cannot retrieve the default selection.

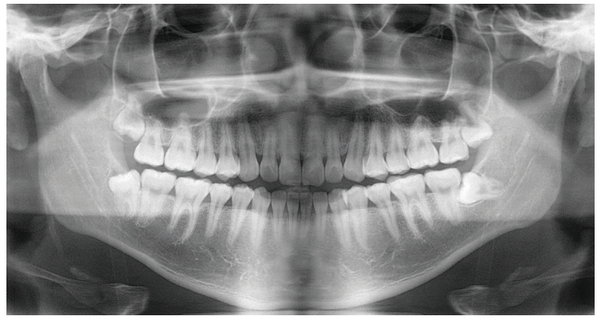


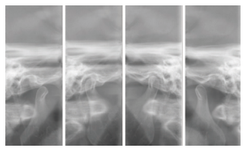
Clearer images can be displayed using data from 31 images spaced at 1 mm intervals.

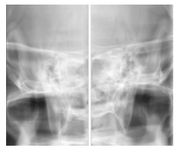

Cephalometric (Lateral,Short time) 2.9sec

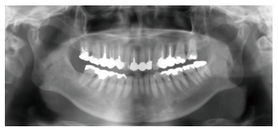

Cephalometric (PA) 4sec

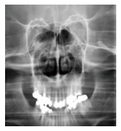

Cephalometric (Lateral,Normal) 4sec


Panoramic 12sec (Normal)


Lateral TMJ 3sec (×4times)


PA TMJ 3sec (×2times)


Panoramic 7sec (Short time)


Maxillary Sinus 8sec