



GIX-1

Digital Dental Intra-Oral Sensor

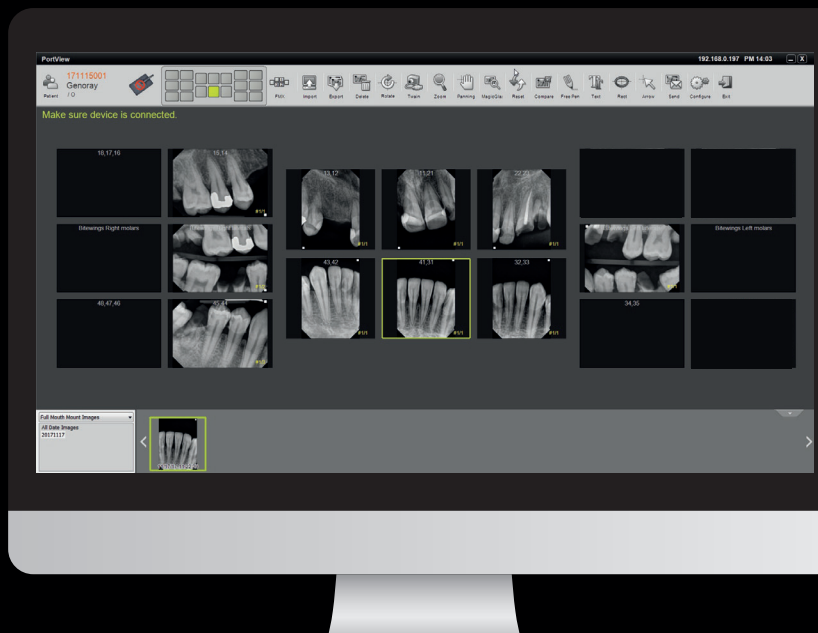
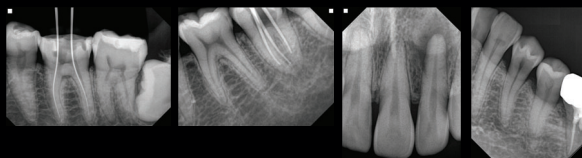
CMOS area image sensors

USB interface type

Monitoring photodiode

Waterproof

The GIX-1 are CMOS area image sensors developed for X-ray imaging.

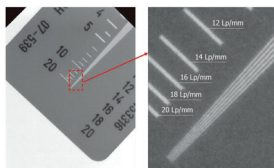


CMOS area image sensors for X-ray imaging (USB interface type)

The GIX-1 are CMOS area image sensors developed for X-ray imaging. These image sensors have 1.5 mega pixels (1,000 x 1,500) with a pixel size of 20x20 μm and a monitoring photodiode for monitoring and detecting X-ray irradiation. FOP (fiber optic plate) used as the input window ensures high image quality and long sensor life even under exposure to X-rays.

The GIX-1 supports USB 2.0. Two types are available with different scintillators used.

The GIX-1 designed to be dust and water proof, equivalent of IP67



SPECIFICATIONS	SIZE 1	SIZE 2
Image size (HxV)	20 x 30mm	26 x 34mm
Number of total pixels (HxV)	1,000 x 1,506 pixels	1,300 x 1,706 pixels
Number of effective pixels (HxV)	1,000 x 1,500 pixels	1,300 x 1,700 pixels
Number of light-shielded pixels	Upper part : 766,768,770 pixel Lower part : 1,000 x 3 pixel	Upper part : 756,758,760 pixel Lower part : 1,300 x 3 pixel
Pixel Size	20x20 μm	
Pixel pitch (HxV)	20 μm	
Scintillator type	CsI(Tl)	
Interface	USB 2.0	

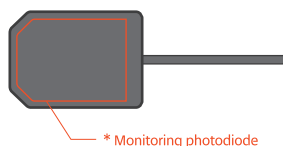
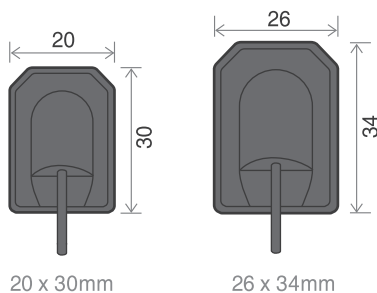
* The specifications above can be changed to improve performance without notice.

Features

- Pixel size : 20x20 μm
- High resolution : 20 Lp/mm typ
- Dynamic range : 57 dB (size1) / 75 dB (size2)
- USB 2.0 interface
- Waterproof : equivalent of IP67

* Monitoring photodiode

The monitoring photodiode is arranged along the entire circumference of the effective pixel area and this will monitor dose rates. when you get an image, if the output of the monitoring photodiode gets higher than a certain threshold, you can get an image automatically.



+82-31-627-3900 · genoray@genoray.com · www.genoray.com

* Components :
Software, Hygienic cover,
Silicone Protective cover, Sensor Holder

