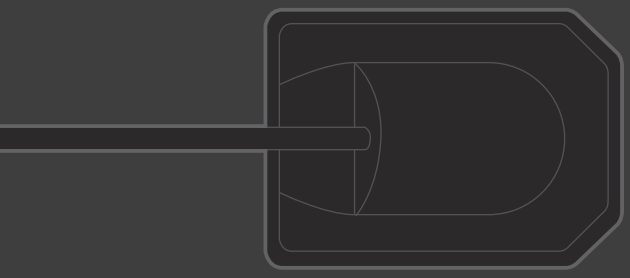
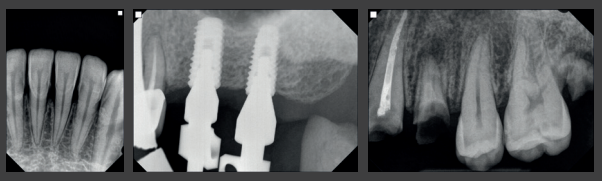
CE
2460



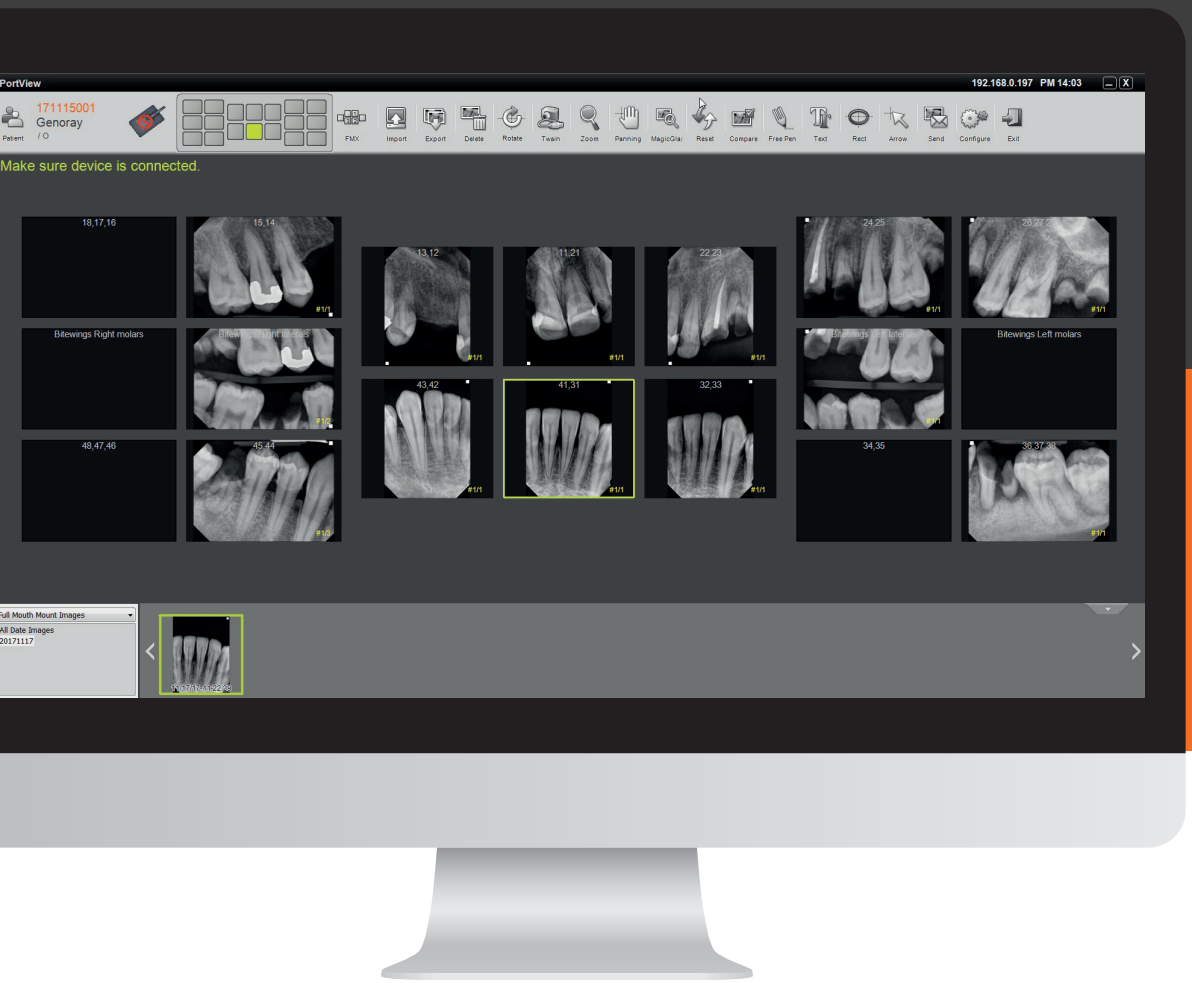
Digital Dental Intra-Oral Sensor

PortView

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



- CMOS area image sensors
- USB interface type
- Monitoring photodiode
- Waterproof



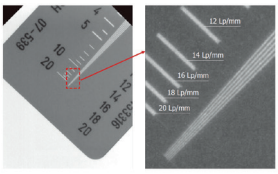
GENORAY

PortView

Digital Dental Intra-Oral Sensor

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

The PortView 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 um 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 PortView supports USE 2.0. Two types are available with different scintillators used.
The PortView designed to be dust and water proof, equivalent of IP67



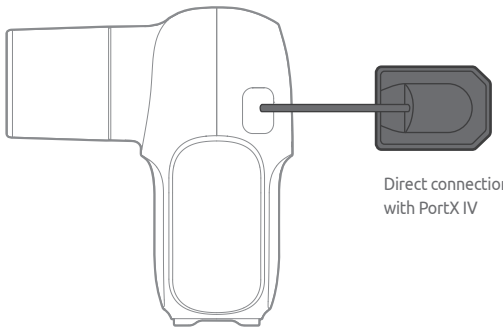
SPECIFICATIONS	SIZE 1	SIZE 2
Image size (HxV)	20 x 30mm	26 x 34mm
Number of total pixels (HxV)	1,000 x 1,506 pixels	1,300 x 1,706 pixels
Number of effective pixels (HxV)	1,000 x 1,500 pixels	1,300 x 1,700 pixels
Number of light-shielded pixels	Upper part : 766,768,770 pixel Lower part : 1,000 x 3 pixel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

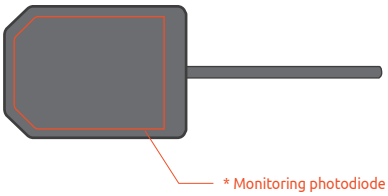
Features

- Pixel size : 20x20 um
- 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.





GENORAY Leader in Digital X-ray systems

+82-31-5178-5500 genoray@genoray.com www.genoray.com 2017 © GENORAY Co., Ltd. All rights reserved.

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