

Leading the transition to
Digital X-ray

1012WCA

Wired/Wireless Image Processing Unit

Rayence's state of the art 1012WCA is an image processing unit that provides highly superb image resolution quality, wider active image area, and versatile applications from extremity to veterinary. Its unique size ensures of many advantages like getting one image of a wide area with only one shot, thus enabling you to use it on various applications. Its maximum active area is at 10"X12". The compact and light 1012WCA is guaranteed to satisfy your daily diagnostic needs

Wide Portable Flat Panel Detector

Its unique size provides for a large active area of 10"X12", which helps you see more from its acquired image. Its light and compact design is useful in various applications.

Superior Diagnostic Image Quality

It has a pixel pitch of 127 μ m, which is a guarantee for a highly superb quality of image resolution. In addition, its single panel design with eliminated butt area, enhances the image quality and produces more reliable images. Its "a-Si TFT active matrix" enables it to provide superior image resolution. It guarantees constant and reliable performances in its any temperature and humidity.

Versatile Applicable Areas

- ▶ Extremity : Since it is portable, it is much more flexible. It is capable of taking different angle shots of the patient's extremities.
- ▶ Pediatrics : Its unique size is sufficient enough for pediatric applications. Its portable size minimizes fear among children upon taking x-ray images. Its adequate size optimizes your investment for system application to children.

Superior Diagnostic Image Quality



The use of the detector for extremities is very convenient since it is larger than conventional medium size detectors. This detector can accommodate the full image of a big-sized foot at one shot. The last few inches makes the ultimate difference in your daily diagnostic needs.

1012WCA is designed with indirect method, thus allowing you to run the equipment under a reliable condition without being interrupted when less heat is generated. Indirect method provides constant pixel value, which ensures you with a more accurate diagnostic image.

→ Its wide detector area allows you to capture large images in one shot, especially for veterinary applications. It makes it easier for you to capture images of joints, neck, or leg of an equine with just one shot which has never been realized by conventional detectors for veterinary purposes.

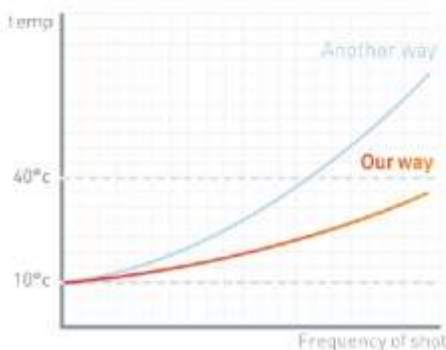


A-Si TFT Technology

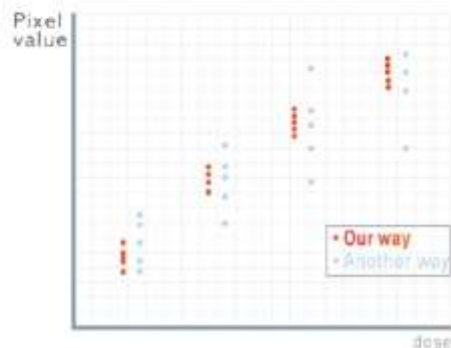


1012WCA allows you to run the equipment under a reliable condition without stopping as less heat is generated. a-Si TFT technology provides constant pixel value, thus ensuring more precise diagnostic images.

< A Temperature variation by the number of X-ray shot >



< Distribution Chart >



Software



- DICOM 3.0 compatible, DICOM Patient CD, DICOM Basic Print
- Print Management Service Class(SCU), Storage Service Class(SCU), and others
- Image stitching(semi-auto) & Fast & Ideal Image Processing
- Easy user interface & simple workflow

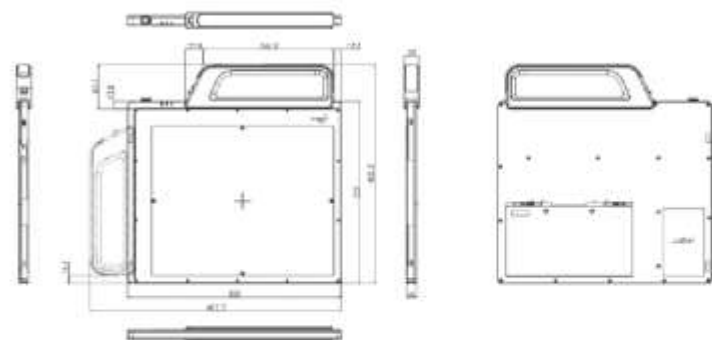


Specifications

1012WCA	
Detector Type	Amorphous Silicon with TFT (Single Panel)
Scintillator	CsI:Ti
Pixel Matrix	2080 X 2560
Effective Pixel Matrix	2040 X 2520
Pixel Pitch	127um
Energy Range	40-150 kV
Dimensions	395 X 337 X 16mm (not incl. handle)
Weight	Typ. 3.15kg (incl. battery pack / not incl. handle) Typ. 3.8kg (incl. battery & incl. handle)

Dimensions

Detector



* Specifications are subject to change without notice.