DR. Innovation
VATECH
Rayence

Leading the transition to
Digital X-ray

Work in progress

Samsung's FPXD

Xmaru 1717G

Large Image Processing Unit

VATECH's state of the art Xmaru1717G is an image processing unit that is developed with a ***Flat Panel X-ray Detector*** from Samsung. Xmaru1717G provides wider active area for an image, and a versatile and reliable imaging solutions for your daily diagnostic needs. Its single panel and A-Si TFT active matrix produce good quality images and easy integration to all radiography systems.

Large Active Area for the Image

It has a Large detector size at 17"X17"(43cmX43cm). With just one shot, you can acquire an image of your preferred anatomical view such as that of the bottom cervical vertebra or diaphragm at frontal plane, or that of the thoracic vertebra at lateral plane without rotating the detector unit.

Premium Value Performance

Its extraordinary value performance makes the cost leadership for your choice; Considering Samsung's leading technology to produce the panel based on GadOx(Gd_2O_2S), and VATECH's supreme capabilities to improve the image quality by post processing techniques, certainly, we assure you that it is your best choice for price leadership.

Quick & Easy Integration

The user-friendly design of Xmaru1717G leads the way to an easy and quick integration with all radiography systems.

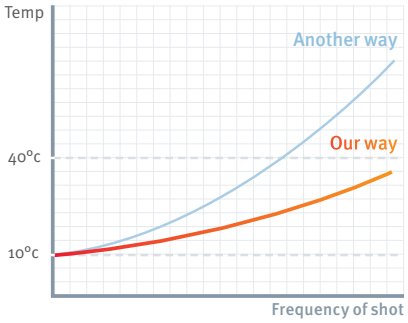
Excellent Diagnostic Image Quality

It is designed to fit accurately to all diagnostic needs with its one shot method. Without missing parts of the image, it allows you to examine the whole chest area. At one shot and without rotating the detector unit, an image of the whole 12 thoracic vertebra can be acquired. Its wide detector enables you to do a variety of image examinations.

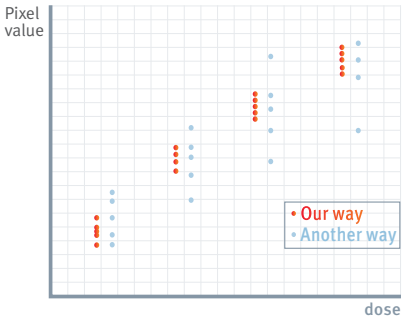
Advantage of Gadolinium Oxysulfide
Flexible, easy to attach TFT
High light output efficiency
Strong against shock and humidity

A-Si TFT Technology

Xmaru1717G is equipped with the Flat Panel X-ray Detector from Samsung and is designed by A-Si TFT technology, which under a reliable condition allows you to run the equipment 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 〉



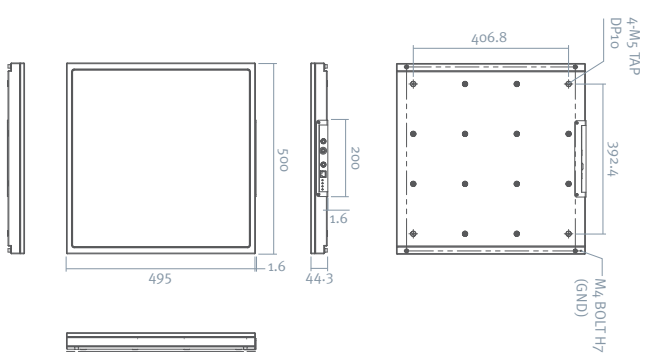
〈 Distribution Chart 〉

Software

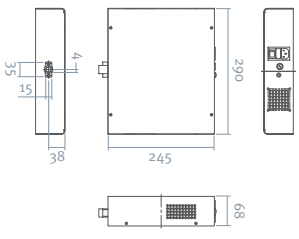
◎ DICOM 3.0 compatible, DICOM Patient CD, DICOM Basic Print
◎ Print Management Service Class(SCU), Storage Service Class(SCU), and others
◎ Image stitcting(semi-auto) & Fast & Ideal Image Processing
◎ Easy user interface & simple workflow

Dimensions

Detector



Power Supply



The weight is 13.4kg, and dimension is 500x497x45mm.
The energy range is 40-150kV, and pixel pitch is 143μm, effective pixel matrix 3000x3000, while pixel matrix 3072x3072.
The detector type is amorphous silicon with scintillator of Gd_2O_2S

This specification is for Samsung's flat panel detector, provided by Samsung Mobile Display Co., Ltd.
* To be released during 2010

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