



Leading the transition to  
Digital X-ray

Samsung's FPXD

# Xmaru 1717

## Large Image Processing Unit

VATECH's state of the art Xmaru1717 is an image processing unit that is developed with a **Flat Panel X-ray Detector** from Samsung. Xmaru1717 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 high 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.

### Superior Diagnostic Image Quality

Its single panel design with eliminated butt area, enhances image quality and produces more reliable images. Its "a-Si TFT active matrix" enables it to provide superior image resolution. Xmaru1717 guarantees constant and reliable performances in its any temperature and humidity.

### Quick & Easy Integration

The user-friendly design of Xmaru1717 leads the way to an easy and quick integration with all radiography systems.

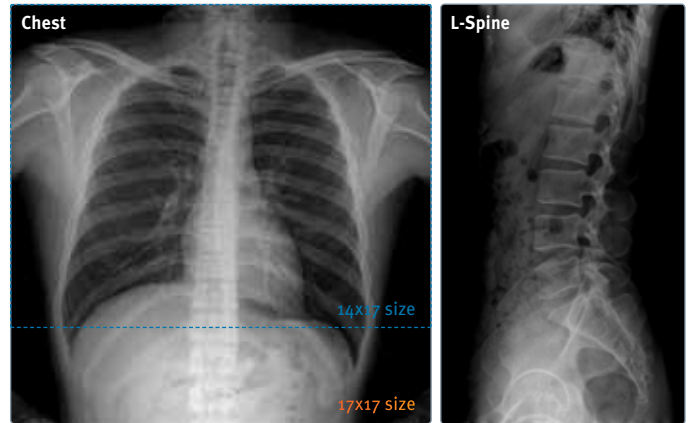
# Superior Diagnostic Image Quality



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.

### Advanced patient safety

The one shot method saves the amount of radiation dose on patients, which helps patient safety. Comparing with CCD type X-ray equipment, the Xmaru1717 generates just half of amount of radiation dose for same procedure, which also helps patient safety.

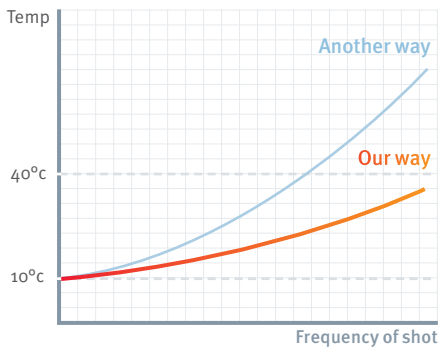


# a-Si TFT Technology

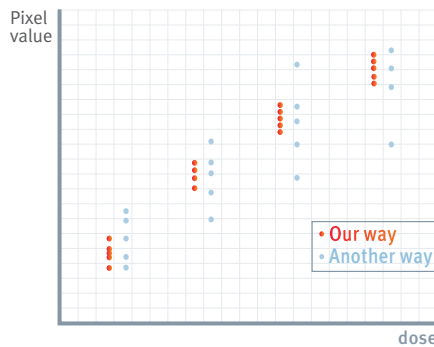


Xmaru1717 is equipped with the Flat Panel X-ray Detector from Samsung and is designed by a-Si TFT technology, which under a reliable condition allows you to run the equipment without stopping as less heat is generated. a-Si TFT technology provides constant pixel value, thus ensuring more precise diagnostic images.

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



< Distribution Chart >



# Software



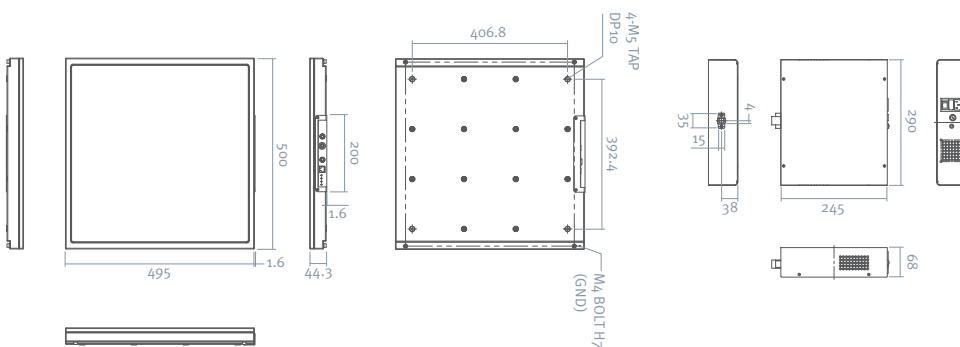
- ◎ DICOM 3.0 compatible, DICOM Patient CD, DICOM Basic Print
- ◎ Print Management Service Class(SCU), Storage Service Class(SCU), and others
- ◎ Image stitcing(semi-auto) & Fast & Ideal Image Processing
- ◎ Easy user interface & simple workflow



# 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 CsI:TI. This specification is for Samsung's flat panel detector, provided by Samsung Mobile Display Co., Ltd.