



## Technical specification

Application	General radiography
Technology	Flat panel detector : a-Si TFT with PIN diode
Scintillator	CsI:Tl / Gadolinium Oxide
Pixel pitch	140um x 140um
Pixels	3072 x 3072 pixels
Image size	17 x 17 inches (43 x 43cm)
A/D conversion	14-bit
Grayscale	16384 grayscales
X-ray voltage range	40 ~ 150kVp
X-ray generator Interface	Line trigger : DR trigger Mode, Passive trigger mode Auto trigger : AED Mode
Interface	Gigabit Ethernet (1000BASE-T)
Dimensions	470 (W) x 470 (L) x 35 (T) mm
Weight	Approx. 11kg
Operating Environment	15 - 35°C, 30 - 80% RH (non-condensing)
Power	DC24V, 1.0A

\* Specifications are subject to change without prior notification



vieworks

### Headquarters

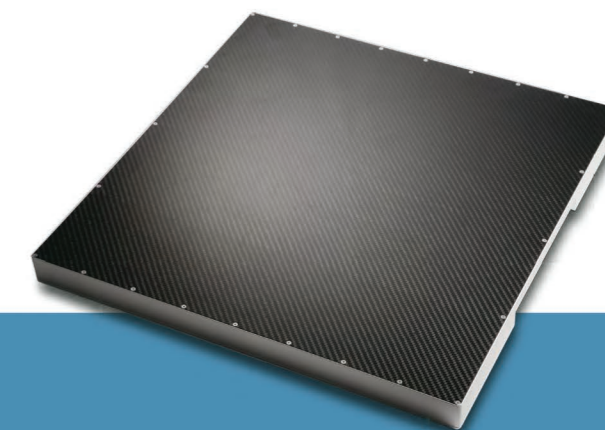
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# ViVIX-S



## FXRD-1717SA/SB

digital radiography system with flat panel detector



[www.vieworks.com](http://www.vieworks.com)



## Superb diagnostic imaging gifted by flat panel digital radiographic technology

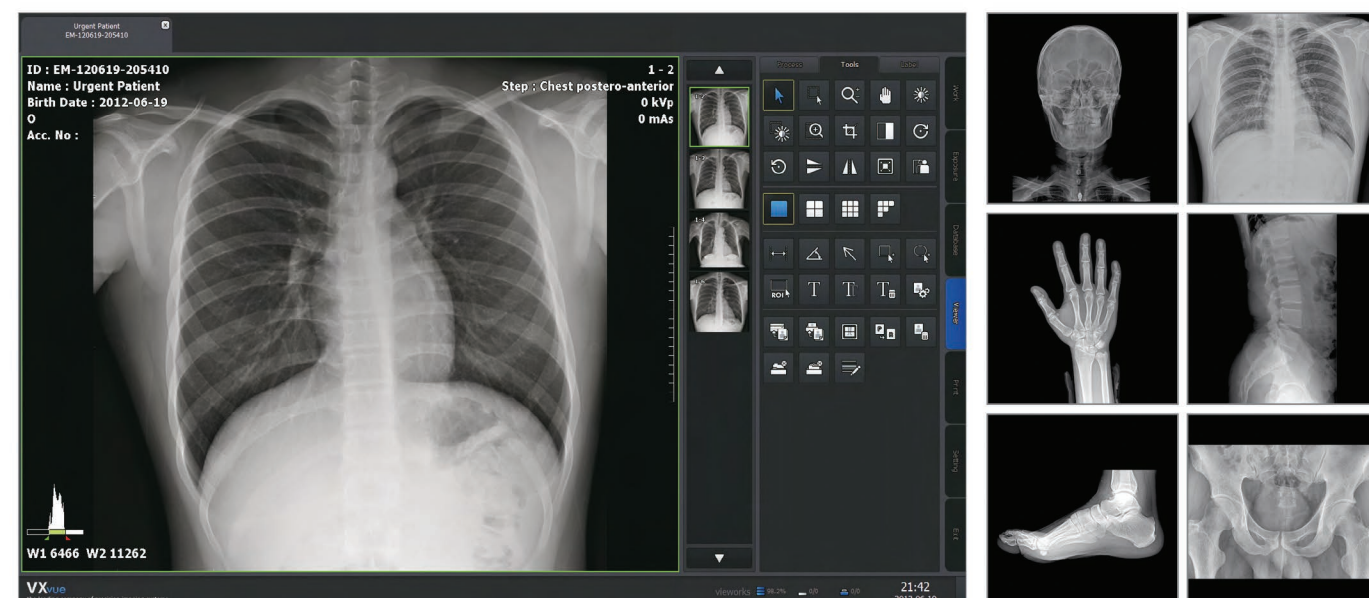
**ViVIX-S** is a Vieworks's flat panel digital radiography system with a large field coverage area of 17" x 17" designed for general radiographic application using its unique image processing system and proprietary flat panel detector.

The active 9.4 Mega-pixels of **ViVIX-S** system ensure superior image quality for today's high standards for precise diagnosis performance by the Vieworks's digital radiographic flat panel detector technology.

**ViVIX-S** can be used without any connections to the X-ray generator with our patented AED (Automatic Exposure Detection) circuit included on all Vieworks's flat panel detector series. **ViVIX-S** works just like CR or film as it is triggered by the radiation and not by a generator interface connection.

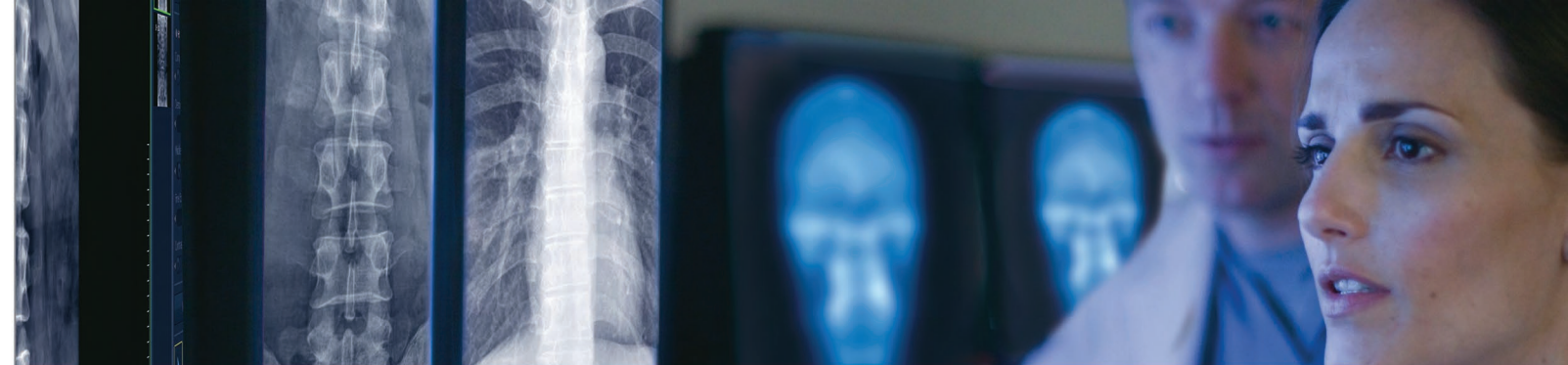
User friendly imaging software (Model: VXvue) with DICOM 3.0 standard provides consistent image quality at a dramatically reduced dose and faster image information with optimized algorithms for each different study. Image can be simply acquired and transmitted to the DICOM server through Gigabit Ethernet in seconds.

**ViVIX-S** can be installed in a single, dual or multiple detector-configurations depending on the required applications. For dual or multiple detector-configurations, **ViVIX-S** can also be installed with a combination of **ViVIX-S** and other flat panel detector models from Vieworks.



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## Versatile Diagnostic Capabilities

- \* 9.0 Mega-pixel flat panel detector with radiographic imaging capability
- \* 14-bit signal digitization providing an extremely wide dynamic range for a greater grayscale
- \* Optimized algorithms for each different body part selection
- \* Fast readout time enables an image to be captured and transmitted within 4 seconds

## Simple & Smart Featured

- \* Full compatibility with DICOM 3.0 standard and Windows™ based platform
- \* Side by side dual study comparison capabilities
- \* Including Automatic Exposure Detection (AED) Trigger mode as well as the line trigger modes
- \* Including special remote viewing program (MINIvue) & QXLink
- \* Various preset image processing modes for different studies
- \* Communication interface through Gigabit Ethernet (1000 BASE-T)
- \* Simple & easy integration with all kinds of digital radiography systems

## Superior Image Quality

- \* Brilliant Modulation Transfer Function (MTF)
- \* Superior diagnostic image quality through flat panel detector with the proven technology of VXvue image processing software
- \* Dramatically reduced X-ray dose for patient and user safety during an examination

## Communication Block Diagram

