

## Portable R&F Flat-Panel Detector

### Optimized for Multi-Purpose Use

The CXDI-50RF is equipped with a 14 x 17 inch large image receptor area and is capable of both radiography and fluoroscopy. This unit is suitable for a multi-purpose room; for example, a room dedicated to fluoroscopy in the morning and general radiography in the afternoon. The sensor unit can be used for table top radiography due to its portability. Taking advantage of its detachable cable, the sensor unit can be used in multiple rooms or multiple locations within the same room.

### Up to 30 fps Fluoroscopic Imaging

The CXDI-50RF can take up to 30 frames per second fluoro. Multi-frame radiographic imaging up to 15 fps is also possible. The frame rate differs depending on the image capture mode and size. For fluoroscopy, the sensor unit is to be used in a docking station (similar to a cassette tray) which is equipped with an active air cooling system.

### Dynamic/Static Imaging Control Software

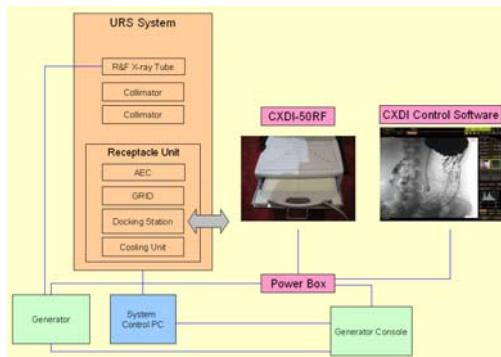
The control software can acquire and display both radiographic and fluoroscopic images easily and smoothly. The same software can display high resolution images and provides advanced image processing and all standard DICOM functions. X-ray controls from the generator can be ported into the control software as well.



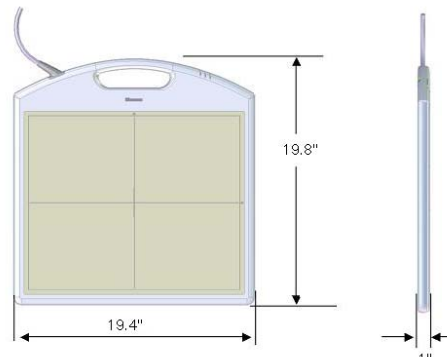
## System Configuration Example



Universal Stand



## Dimensions



## CXDI-50RF Specification

Application	General radiography and fluoroscopy
Technology	Flat panel detector: scintillator & amorphous silicon (a-Si)
Sensor	LANMIT (Large Area New-MIS sensor and TFT)
Scintillator	Cesium Iodide (CsI: TI)
Pixel Pitch	160 x 160 microns
Pixels	2,208 x 2,688 pixels (approx. 5.9 million pixels)
Image Size	Automatic sizing up to 14 x 17 in. (35 x 43 cm)
Binning Mode	1 x 1, 2 x 2
Acquisition Mode	Up to 30 fps
Cooling	Active air cooling
A/D Conversion	14-bit
Grayscale	4096 grayscales (12-bit)
Preview image access time	Approx. 2-4 seconds after x-ray exposure (for radiography)
DICOM 3.0 Services	Storage, Print Management, Modality Worklist, Performed Procedure Steps (MPPS), C-echo, and Storage Commitment – all as SCU
Power (Voltage/Frequency)	AC 100-240 V 50/60 Hz
Operating environment	Sensor unit : 41-95 F(5-35 °C), 30 - 75% RH (non-condensing)
Dimensions	Sensor unit (W x L x T): 19.4 x 19.8 x 1.0 in. (493 x 503 x 26 mm)
Weight	Sensor unit w/o cable: 12.5 lbs. (5.7 kg)
Standard components	Sensor unit, sensor cable, power box
Certification	UL 60601-1, IEC 60601-1-2, FDA 510(k)

## User Options

Grid	Please contact an authorized Canon dealer.
Software options	Please contact an authorized Canon dealer.

Please inquire to your local authorized Canon representative whether installation is possible.

Specifications are subject to change without notice.

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