

CXDI-50G Specifications

Purpose	General radiography
Method	Flat panel detector: scintillator & amorphous silicon (a-Si)
Sensor	LANMIT 4 (Large Area New-MIS sensor and TFT)
Scintillator	GOS (Gd ₂ O ₂ S: Tb)
Pixel pitch	160 x 160 microns
Pixels	2,208 x 2,688 pixels (5.9 million pixels)
Image size	Automatic sizing up to 14 x 17 in. (35 x 43 cm)
Grid	Attachable (Canon CXDI grid)
A/D	14-bit
Grayscale	4,096 grayscale (12-bit)
Preview image access time*	Approx. 3 – 5 seconds after X-ray exposure
Total image processing*	Approx. 20 seconds per image
Interface	DICOM 3.0, Ethernet 10/100 Base T
DICOM**	DICOM 3.0 compatible, Print Management Service Class (SCU), Storage Service Class (SCU), and others
Storage	Temporary storage available
Voltage	100V, 120V, 230/240V (50/60Hz)
Power consumption	Sensor unit: 200VA maximum
Operating environment	Sensor unit: 41 – 95°F (5 – 35°C), 30 – 75% RH (non-condensing)
Certification	FDA 510(k), FCC Class A, UL 2601-1, EN60601, CE0197
Dimensions	Sensor unit (W x L x T): 19.3 x 18.8 x 0.9 in. (491 x 477 x 23 mm)
Weight	Sensor unit: 10.6 lbs. (4.8 kg)
Standard components	Sensor unit, power box, remote switch, x-ray interface cable

*Actual times may differ due to various factors. **Varies with system configuration.

■ User Options

Grid	Choice of 10:1 (180 cm), 6:1 (150 cm), 8:1, 4:1 (110 cm)
Software options	Please contact an authorized Canon dealer.

LANMIX LANMIX is a new name that represents the total solution offered by Canon, through the combination of our LANMIT (Large Area New-MIS Sensor and TFT) detector and other X-ray imaging equipment and software. In the future, expect more great systems from Canon under this new name.

Specifications are subject to change without notice.

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Canon

Digital Radiography System

CXDI-50G

Portable Flat Panel Detector



**PORTABLE RADIOGRAPHIC IMAGING
FOR DIVERSE APPLICATIONS**

The Canon CXDI-50G is an innovative large area sensor designed for portable Digital Radiography. It provides digital image capture for a wide range of general radiographic applications.

LARGE AREA PORTABLE IMAGING SOLUTION CXDI-50G

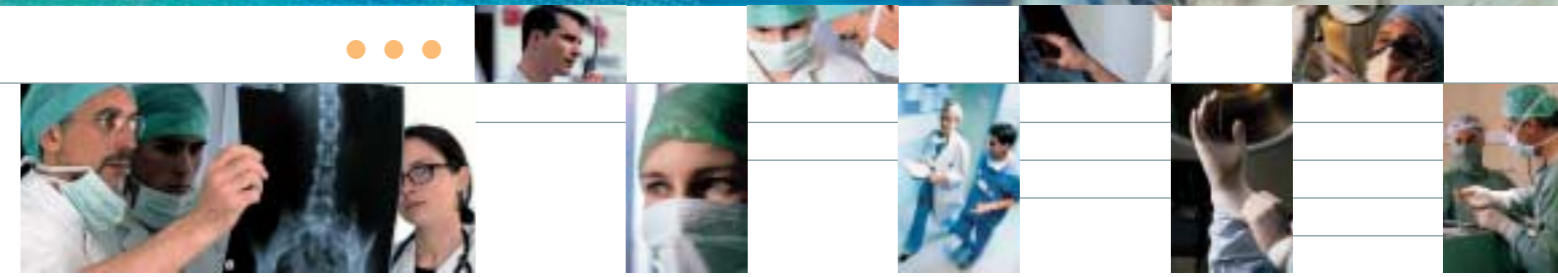
Introducing the CXDI-50G, a compact Digital Radiography system that is ideal for a wide range of applications. The CXDI-50G provides immediate imaging, superior image quality, and instantaneous network transfer of images. And, thanks to Canon's innovative Flat Panel Detector technology, the CXDI-50G offers the unique advantage of a large imaging area in a lightweight, ultra-thin sensor unit. Together, these benefits mean greater efficiency for the bedside exams. An innovative solution, only from Canon.

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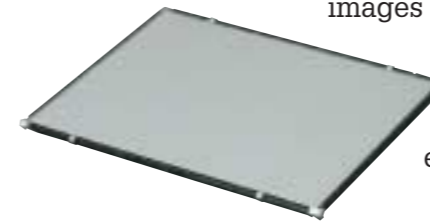
Large Imaging Area & Lightweight Design

The CXDI-50G has an imaging area of 14 x 17 in. (35 x 43 cm), a size large enough to handle chest and abdominal x-rays. But even with such broad coverage, the sensor unit itself is remarkably compact. It is only 0.9 in. (23 mm) thick and weighs 10.6 lbs (4.8 kg). This makes the CXDI-50G as easy to position as a conventional film cassette when performing lateral or axial imaging of limbs and other areas. In addition, it is possible for a patient to hold the sensor unit in place during image capture with very little effort.



Superior Image Quality

With leading edge Canon technology, the CXDI-50G delivers high-resolution diagnostic images. The Canon amorphous silicon (a-Si) Flat Panel Detector, the core component of the CXDI-50G, contains approximately 6 million pixels—each only 160 microns. This sensor also features an expansive 10^4 dynamic range, enabling capture of images that would otherwise appear over or underexposed on conventional film. Images are displayed in 12-bit grayscale (4,096 gradations) to ensure the visibility of subtle contrast.



Immediate Results

When speed is of the essence, nothing compares to direct digital image capture. The CXDI-50G produces a preview image immediately after x-ray exposure, allowing the operator to quickly confirm body position, exposure, and other factors. Once the image has been confirmed, it can be quickly sent to a network destination. And if another exposure is required, it can be taken without delay thanks to the sensor's rapid 15 second refresh cycle.

Extremely Versatile Positioning for a Wide Range of Applications



Advanced Connectivity

Compatibility with DICOM 3.0 allows the CXDI-50G to work in a variety of PACS and HIS/RIS environments. This means that image data can be immediately transferred over a network for remote viewing, printing, or archiving.

