## CXDI-50G Specifications

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|---|---|
| Purpose | General radiography |
| Method | Flat panel detector: scintillator & amorphous silicon (a-Si) |
| Sensor | LANMIT 4 (Large Area New-MIS sensor and TFT) |
| Scintillator | GOS ($Gd_2O_2S$: 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) |
| A/D | 14-bit |
| Grayscale | 4,096 grayscale (12-bit) |
| Preview image access time* | Approx. 3 – 5 seconds after X-ray exposure |
| 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 |
| 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 lb. (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 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.



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*Digital Radiography System*

# CXDI-50G

**Multipurpose Portable Flat Panel Detector**

## PORTABLE DR IMAGING FOR DIVERSE APPLICATIONS

**A large-area detector designed for portable DR, the versatile CXDI-50G provides high quality image capture to serve a wide range of radiographic applications.**

# Improved Clinical Productivity and Effectiveness with Flexible, Portable DR

**Featuring Canon's proven large-area flat panel technology in a sleek and compact unit, the portable CXDI-50G provides superb digital X-ray image capture for a wide range of applications. The lightweight design, generous imaging area, and fast processing times of the innovative detector make it easy to capture high quality diagnostic images for routine diagnosis, as well as challenging trauma and bedside exams. It's the ideal portable solution for a faster, more streamlined approach to digital radiography.**









## Portable and Lightweight

The portable CXDI-50G is only 0.9 in. (23 mm) thick and weighs just 10.6 lb. (4.8 kg), making it ideal for use in a variety of radiographic applications, including trauma and bedside exams. The compact design makes it easy to capture the images you need from almost any angle or position, and the unit is light enough for even patients to hold with ease.

## Large Imaging Area

The CXDI-50G boasts a large imaging area while maintaining a slim overall profile. The large 14 x 17 in. (35 x 43 cm) imaging area provides ample room and flexibility to capture X-ray images large and small, including images of the skull, spine, chest, abdomen, and extremities.

## High Quality Diagnostic Images

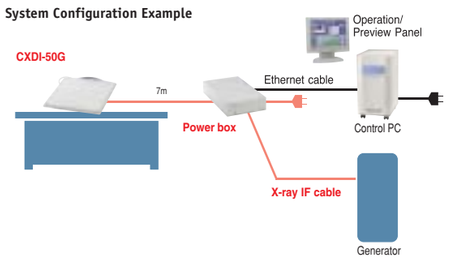
With Canon's advanced LANMIT 4 detector technology, the CXDI-50G achieves clear, high-resolution diagnostic images. The Amorphous Silicon (a-Si) Flat Panel Detector, the core component of the CXDI-50G, contains approximately 6 million pixels—each pixel only 160 microns. The detector also features an 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

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 detector's rapid refresh cycle.

## Extensive Network Capabilities

Ethernet 10/100 Base T connectivity with DICOM 3.0 compatibility enables seamless data transfer to any DICOM hard copy output device, PACS, or RIS for efficient printing, archiving, and remote viewing of images.




*Easy-carry ergonomic design, weighs just 10.6 lb. (4.8 kg).*