



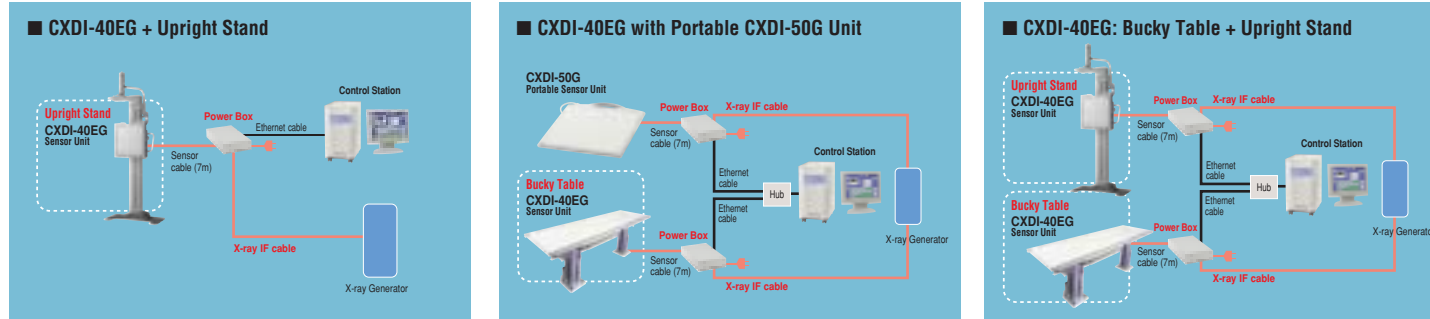
Digital Radiography System

# CXDI-40 EG

Multipurpose Flat Panel Detector



## System Configuration Examples



For exact system configuration details, please contact your local authorized Canon representative.

## CXDI-40EG Specifications

Purpose	General radiography
Method	Flat panel detector: scintillator & amorphous silicon (a-Si)
Sensor	LANMIT 6 (Large Area New-MIS sensor and TFT)
Scintillator	GOS (Gd <sub>2</sub> O <sub>2</sub> S:Tb <sup>3+</sup> )
Pixel pitch	160 x 160 microns
Pixels	2,688 x 2,688 pixels (7.2 million pixels)
Image size	Automatic sizing up to 17 x 17 in. (43 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), IEC60601-1-2:2001 Class A, UL 60601-1, EN60601-1, CE0197
Dimensions (W x L x T)	Sensor unit: 21.7 x 21.7 x 2.7 in. (550 x 550 x 67.5 mm)
Weight	Sensor unit: 44 lb. (20 kg), without grid

\*Actual times may differ due to various factors.

### User Options

Grid	Please contact your local authorized Canon representative.
Software options	Please contact your local authorized Canon representative.

**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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## FOR IMMEDIATE AVAILABILITY OF HIGH-QUALITY X-RAY IMAGES

The versatile, reliable CXDI-40EG expands the scope of Digital Radiography with superb diagnostic image quality, immediate results, extensive networking capability, custom configuration options and more.



# Discover the Advantage of Digital Radiographic Imaging

Realize the benefits of a digital workflow with the CXDI-40EG, a versatile, large-area detector that provides filmless, cassetteless X-ray capture for wide range of general radiographic needs. The high-resolution detector features an expansive dynamic range with state-of-the-art LANMIT 6 (Large Area New-MIS Sensor and TFT) technology to achieve high-quality diagnostic images that can be viewed immediately. Offering versatile configuration options, seamless integration into hospital networks, and considerably less wait time than conventional systems, the CXDI-40EG will increase productivity in your radiology department and beyond.



**CXDI-40EG**



## ■ For Diverse Applications

The versatile CXDI-40EG can be used with an upright stand, C-arm stand, or Bucky table, or it can be retrofitted with existing equipment.

*The CXDI-40EG can be installed in multiple ways to fit your workspace and workflow.*



## ■ Large Imaging Area

Thanks to a large imaging area of 17 x 17 in. (43 x 43 cm), the CXDI-40EG lets you capture desired anatomical views for both large and small format X-rays in portrait or landscape orientation—without having to rotate the detector unit. From examinations of the skull, spine, chest, abdomen, to the extremities, the generous size of the detector accommodates a wide variety of exams.



*Automatic sizing of X-ray images up to 17 x 17 in. (43 x 43 cm).*

## ■ High Quality Diagnostic Images

The CXDI-40EG is built upon Canon's exclusive LANMIT 6 detector technology to deliver clear, high-resolution diagnostic images. The Amorphous Silicon (a-Si) Flat Panel Detector, the core component of the CXDI-40EG, contains approximately 7.2 million pixels—each pixel only 160 microns. The detector also features an expansive 10<sup>4</sup> dynamic range, enabling capture of images that would otherwise appear over or underexposed on conventional film. Images are displayed in 12-bit grayscale (4096 gradations) to ensure the visibility of subtle contrast.

## ■ Seamless Network Integration

Ethernet 10/100 Base T connectivity with DICOM 3.0 compatibility enables seamless data transfer to any DICOM hard copy output device, PACS, or HIS/RIS for efficient printing, archiving, and remote viewing of images. The system complies with IHE (Integrating the Healthcare Enterprise) standards for interoperability to ensure easy, effective integration with your hospital network.



## ■ Enhanced Productivity, Immediate Results

In a streamlined procedure that eliminates film development, cassette replacement, and other process steps, the CXDI-40EG delivers X-ray images more quickly and efficiently than conventional systems, with significantly less wait time for patients and staff. Images can be previewed in just seconds after exposure, allowing the operator to immediately confirm body position and other factors before sending the image to a network destination. And if another exposure is necessary, the detector's rapid refresh cycle ensures that the next image can be captured without delay.

