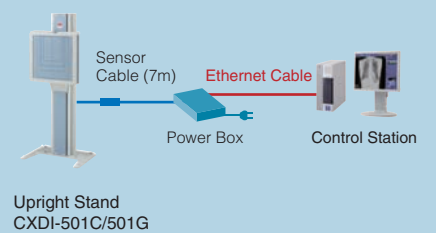
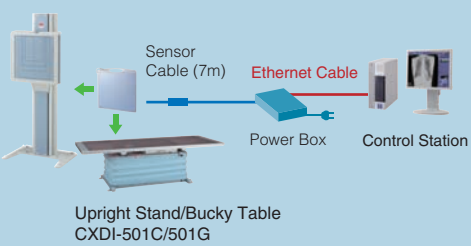


System Configuration Examples

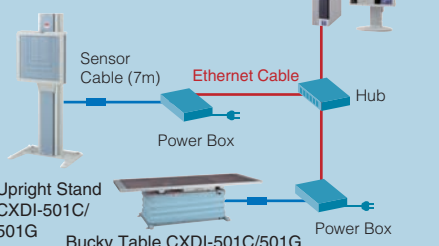
Configuration Example 1



Configuration Example 2



Configuration Example 3



Digital Radiography Systems
CXDI-501 Series

Thin, lightweight DR detector
with greater portability

Specifications

	CXDI-501C	CXDI-501G
Purpose	General radiography	
Method	Scintillator & amorphous silicon (a-Si)	
Sensor	LANMIT	
Scintillator	CsI (Cesium Iodide)	GOS (Gd ₂ O ₂ S:Tb)
Grid (detachable)	52 lines; various grid ratio and spacing options available	
Pixel pitch	125 x 125 microns	
Pixels	2,800 x 3,408 pixels (9.5 million pixels)	
Grayscale	4,096 grayscale (12-bit)	
A/D	16,384 grayscale (14-bit)	
DICOM	DICOM 3.0 compatible, Print Management Service Class (SCU), Storage Service Class (SCU) (JPEG transfer syntax available)	
Operating environment	41-95°F (5-35°C), 30-80% RH	
Voltage	AC100V (50/60Hz)	
Power consumption	50VA Max.	
Dimensions and weight *Not including cable	460 (W) x 424 (D) x 15 (H) mm 3.1 kg	
Load tolerance	100 kg@ ϕ 40 mm, 150 kg@ (uniform load on overall area)	

Specifications are subject to change without notice.
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CXDI-501C

CXDI-501G

Digital Radiography System

Smaller, lighter and easier to use,
the new CXDI model can perform flexibly
in a broad range of diagnostic settings.



The CXDI-501C/501G portable flat panel detectors have enhanced basic features compared to the conventional models (CXDI-55 series). Featuring high resolution and high image quality with a pixel pitch of 125 microns, these new models achieve a speedy preview display of approximately 3 seconds after X-ray exposure. Cesium Iodide (CsI) is used for the scintillator (CXDI-501C) to reduce the patient's exposure dose.

- Pixel pitch

125 x 125 microns
- Total pixel count

9.5 million
- Preview display

Approx. 3 sec.
after X-ray exposure

- High resolution and high image quality
- Portability enhanced by reduced weight and a handle
- Fits into the cassette tray



Enhanced portability

At 3.1 kg and 15 mm thick, the new detector is smaller and lighter than the previous CXDI-55 models. The new design also features a handle to improve portability. This thin flat panel detector, 460 mm in width and 424 mm in depth, fits into the cassette tray, allowing for the digitization of radiographic operations without a major and costly modification to the existing system. The new unit's 35.0 x 42.6 cm effective imaging area allows for comfortable handling when imaging the extremities, chest and abdomen.

High resolution and high image quality achieved by a pixel pitch of 125 microns

Canon's proprietary new flat panel detector with a pixel pitch of 125 microns delivers higher resolution and higher imaging quality, supported by a total pixel count of 9.5 million, 60% larger than the previous model.

Reducing exposure dose

Cesium Iodide (CsI) with a high scintillation efficiency is used for the scintillator in the CXDI-501C. This raises the sensitivity of the scintillator and reduces the patient's X-ray exposure while achieving higher resolution imaging.

Simple imaging workflow

The CXDI detectors are capable of converting X-ray images into digital data using the incorporated scintillator. This eliminates the need to carry cassettes to other locations as is required with conventional systems. The CXDI system can therefore reduce the radiography workflow to a simple three-step operation: expose the X-ray, confirm the image onscreen, and transmit the image data.

Speedy display of approximately 3 seconds after exposure

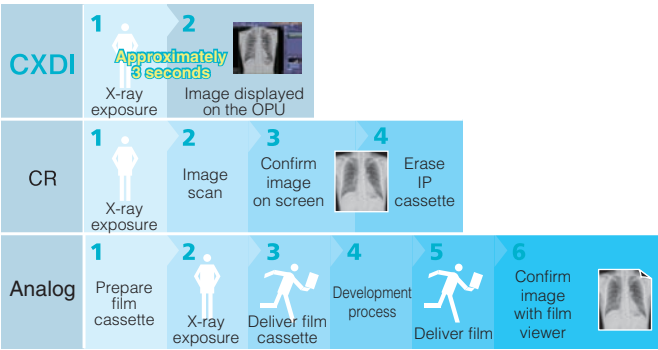
Captured images are displayed on the screen approximately 3 seconds after X-ray exposure. The X-ray radiation cycle time has been shortened to 9 seconds, which facilitates speedy consecutive imaging, thereby contributing to increased operational efficiency. In the event of imaging errors, it is easy to immediately confirm the results and take another image as necessary.

Excellent resistance to vibration and environmental stress

Dispensing with power-driven parts, the CXDI detectors demonstrate stable vibration-proof performance. They are also highly resistant to environmental stress, including intense heat and humidity. This strong durability has been proven by actual use in more than 500 X-ray vans and as part of home healthcare and medical services in disaster areas. In addition, this model does not require daily calibration, helping increase efficiency in the diagnostic examination workflow.

Automatic sizing feature

The automatic sizing system for the X-ray exposure area eliminates the need to manually select the image size before or after exposure, simplifying the imaging workflow.



Detachable sensor cable

The detachable sensor cable provides the CXDI-501C/501G detectors with enhanced mobile convenience.



Environmentally friendly design

Complies with the RoHS directive which limits the use of specified toxic substances.