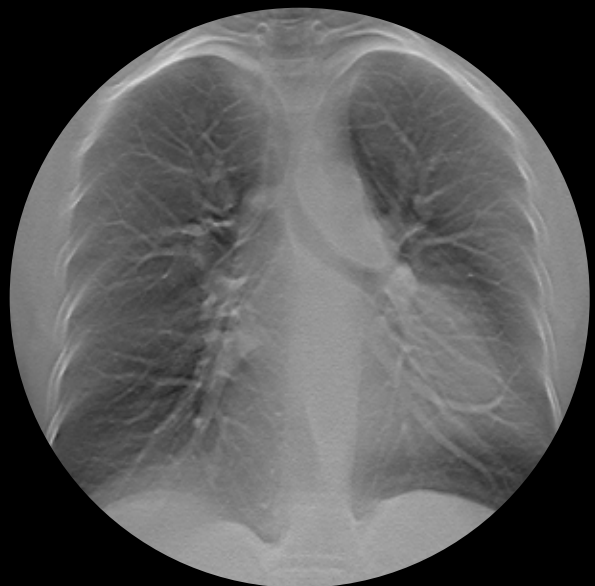


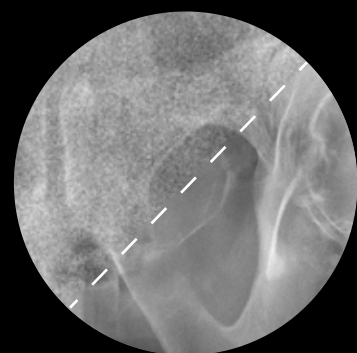
CXDI Control Software NE / RF



Secure, intuitive, efficient workflow and comprehensive image processing for static and dynamic imaging

Intuitive Interface

Canon's intuitive 'CXDI-NE/RF' Graphical User Interface (GUI) can be used for all types of digital radiography modalities and this commonality of GUI across the entire DR product range is a major advantage when it comes to speed of operator training, user confidence, convenience and familiarity. Canon CXDI-NE/RF software configuration options ensure a GUI that is always right for you. Comprehensive image processing including 'Scatter Correction', 'Advanced Edge Enhancement' and "Intelligent Noise Reduction" options guarantee optimised image quality with the lowest possible dose; the industry standard DICOM 3.0 interface ensures multi-vendor and cross-platform connectivity in any situation.



Intelligent NR

DEEP LEARNING

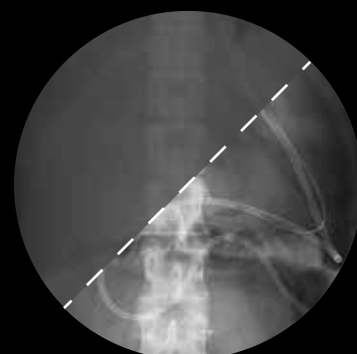
(Optional for static imaging)
Intelligent NR delivers high quality diagnostic images by reducing noise with no noticeable loss of anatomical detail. This provides the potential for significant dose reduction, while maintaining superior image quality.



Advanced Edge Enhancement

(Optional for static imaging)
Improved visualization of tubes, catheters and bone details. The software has three different image processing algorithms (small structures, bone detail and catheter setting):

- Automatic copy of the image acquired, allows various views on the same acquisition



Scatter Correction

(Optional)
Canon's Scatter Correction reduces the effect of scattered radiation for non-grid bedside examinations, allowing you to obtain images with outstanding contrast while avoiding the grid handling and improve your workflow
Benefits:

- Significantly lower X-ray dose compared to imaging with a grid*
- Superior image contrast without the need for a grid
- Improved workflow: no need to carry, fit, position and remove a grid
- Enhanced efficiency: no repeat exposures due to grid misalignments and resulting artefacts
- Potential to improve patient comfort in bed examinations as the imaging receptor is thinner without a grid fitted

*Confirmed result after testing Canon Scatter Correction at Linköping University Hospital, Sweden

CXDI Control Software NE / Controller RF

CXDI Control Software NE / Controller RF is made exclusively for use with Canon Digital Radiography systems. This software helps to optimise workflow and reduce the steps needed to complete exams. It provides quick image confirmation and timely network distribution, supports multiple study acquisition, can easily be tailored to individual clinical preferences and helps provide the delivery of consistent, high-resolution images with the Canon CXDI Digital Radiography systems. In addition, this proprietary software solution is Integrating the Healthcare Enterprise (IHE) compliant and has features that can help practitioners with their HIPAA compliance efforts.



Main features:

- Real-time viewing of high quality images
- Large high-resolution monitor for comfortable viewing
- Optimised workflow with less operation steps
- Interactive GUI for intuitive operation
- Supports various workflows to match local requirements
- Single and Prepacked Protocols
- Emergency study capability
- Suspend Exam
- Reject Analysis
- Automatic forwarding rejected images to a designated analysis workstation
- Automatic Image stitching (static FPD)

Optimises workflow	Designed to enhance image quality	Adaptive to local standards	Flexible and Secure
Protocol planning with the right sequence of the positions in the study. Instant display of the image taken in high resolution within one second. Comfortable viewing on large screen with overview and less operation steps.	Provides wide range of the algorithm and dynamic formatting before saving. Enables significant dose reductions through optimising image processing parameters.	Gives you the tailored preset that you require, is adaptable to any local language needs, preference or taste of imaging, accommodating standard or unique protocols such as trauma protocol and protocols for paediatric imaging.	The Canon NE software is outstanding in communication with X-ray generator and brilliant in the non-synchronised modes.

Additional functionality CXDI Controller RF software



Tomosynthesis (optional for CXDI Controller RF software)

Performing high-resolution limited-angle tomography at radiation dose levels comparable with traditional projection radiography:

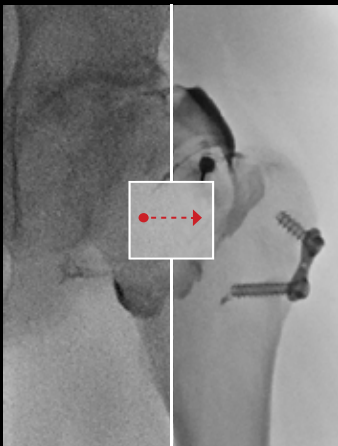
- For imaging of lung nodules or lung tissue that is partly obscured by ribs, heart or other structures
- For arthritic changes in extremities
- Extreme/ complex fracture imaging
- For localization Brachytherapy seeds



DSA (optional for CXDI Controller RF software)

Digital subtraction angiography (DSA) is a fluoroscopy technique used in interventional radiology to clearly visualize blood vessels in a bony or dense soft tissue environment:

- Basic functionality like road mapping is supported DSA technology on your digital radiography modality



Intelligent NR

DEEP LEARNING
for Dynamic Imaging

(Optional for dynamic imaging)

AI image processing option that uses an algorithm based on deep-learning to read and eliminate noise on dynamic clinical images.

- Improved graininess and minimal image lags
- Real-time processing during fluoroscopy
- Noise reduction processing is applied from the first frame

Enabling significant dose reductions

Canon's NE / RF Control Software enables significant dose reductions. Through a wide range of algorithms for dynamic formatting before saving, it optimises the images with intelligent image processing parameters, as confirmed by various clinical evaluation studies conducted in Europe. CONRAD Radiographic Research Center in Denmark, proved that by optimising image processing parameters and adapting the image quality depending on the requested pathology a significant dose reduction has been achieved while still maintaining sufficient diagnostic image quality.

*Read the conclusions of the specific reports in the dedicated leaflet



Canon

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