RADON
MEDICAL IMAGING

Canon Soltus 450

radonmedicalimaging.com

We focus on people, innovative products,
and service excellence

WV Office 866-723-6698
VA Office 800-722-1991

Bold Performance.
Confident Investment.

SOLTUS® 450
Mobile Digital X-Ray System

SOLTUS®450 Mobile Digital X-Ray System

Robust functionality. Compact footprint.

48.03 in. long

21.26 in. wide

50.79 in. tall

SOLTUS®450 Mobile Digital X-Ray System

Features that take your workflow further

Tube Head
Collimator controls and fine positioning features

19 in. Multi-Touch Supported Display
Pinch/zoom/scroll functionality

Storage for Protective Detector Bags
Convenient access for any size/style of bags

Wireless Accessories
Optional wireless barcode reader and wireless exposure control

Rear Detector Bin
Detector charging and storage, grid storage

SOLTUS®450 Mobile Digital X-Ray System

Optimal efficiency for point of care imaging

ID Card Login
Fast, tap & go system access

Disinfecting Wipe Storage
Making infection control seamless

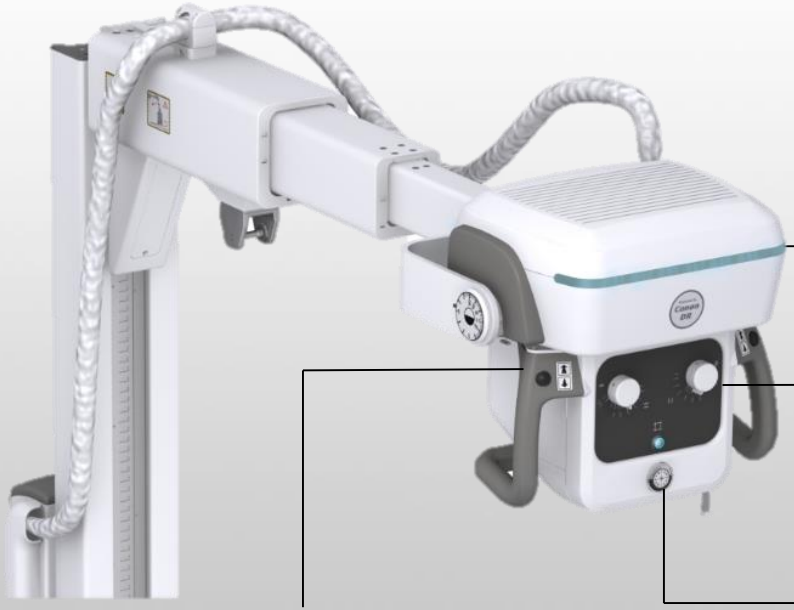
Front Detector Bin
Detector storage, grid storage

Patented Enhanced Workflow
Acquire, QA and close exams at point of care

Rear Detector Bin
Detector charging and storage, grid storage

SOLTUS®450 Mobile Digital X-Ray System

Operator-friendly features



LED Status Indicator Light
Key system operation status alerts

Collimator Controls
Rounded shape for seamless operation

LED Collimator Light with Laser Alignment Feature
Ensures accurate SID (source-to-image distance)

Tube Head Secondary Drive Controls
Fine positioning without returning to main console

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SOLTUS®450 Mobile Digital X-Ray System

Confident and safe point of care imaging

Secure Detector Storage
Detectors safeguarded in front bin when tube head is latched

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SOLTUS®450 Mobile Digital X-Ray System

- 40kW High-frequency generator

  Perform a wide variety of exams
- Pressure-sensitive drive handle

  Easy handling and driving for all types of operators
- Rapid Recovery System

  Fast disaster recovery of hard drive in down-time scenarios
- Patented Distributed Antenna System

  Maintain crucial connectivity to the detector
- Optional DAP Meter

  Store dose information in DICOM header

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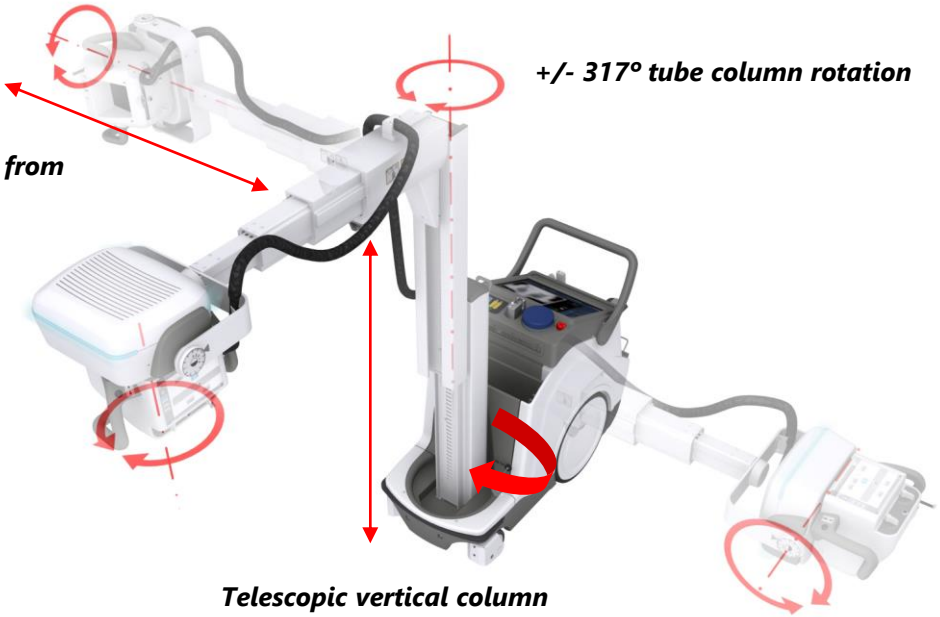
Compact Mobility

The SOLTUS 450 is compact and nimble to seamlessly navigate within clinical areas



Maximum Point of Care Efficiency

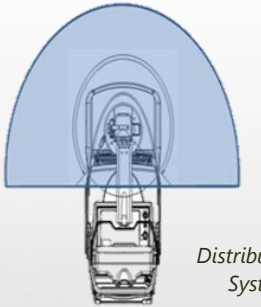
SOLTUS 450's proprietary Enhanced Workflow Package

- Capability to close exams in RIS at the same time images are sent to PACS
- Alleviate bottlenecks in Radiologist dictation and reporting process
- Support STAT and critical report turnaround times

Toggle between the X-ray image processing application and 3rd party RIS/EMR/PACS

Overcome Connectivity Challenges

SOLTUS 450 features Canon Medical's Patented Wireless Distributed Antenna System



Distributed Antenna System (DAS)

DAS optimizes connectivity

Utilizes sector antennas to **focus** the Wi-Fi energy in 180 degrees coverage area and **push forward to patient area**

Ignores noise and interference behind the mobile X-ray unit

40% improved signal strength range*

-Fast image preview in 1-2 seconds
-Supports busy, productive workflows
-Less incidence of repeat exams due to wireless signal loss

*over omni-directional antennas
Patent US 9,198,270 B2

Canon CXDI Wireless Detectors

Industry-leading detector technology from a diagnostic imaging pioneer

CXDI-710C/810C/410C WIRELESS

CXDI-702C/402C WIRELESS

Driven by Canon Wireless Detectors

- CXDI-702C Wireless Detector: 14 x 17-6.83 lbs w/ battery
- CXDI-402C Wireless Detector: 17 x 17-8.16 lbs w/ battery
- 125 micron pixel pitch
- IP55 rated
- Embedded handgrips

- CXDI-710C Wireless Detector: 14 x 17-5.07 lbs w/ battery
- CXDI-810C Wireless Detector: 14 x 11-3.97 lbs w/ battery
- CXDI-410C Wireless Detector: 17 x 17-6.17 lbs w/ battery
- 125 micron pixel pitch
- IPX7 rated
- Ergonomic, sculpted handgrips

Canon

Canon CXDI Wireless Detectors

Flexible detector and battery charging capabilities

CXDI-Docking Station, sold separately

Canon Battery Charger

- Included with detector purchase
- Charges up to (2) detector batteries
- Complete charge in approx. 150 minutes from zero

CXDI-Docking Station

- Optional
- Charge the detector (with battery enclosed)
- Complete charge in approx. 120 minutes from zero

CXDI-710C/810C/410C WIRELESS

Premium performance tier of Canon wireless digital detectors

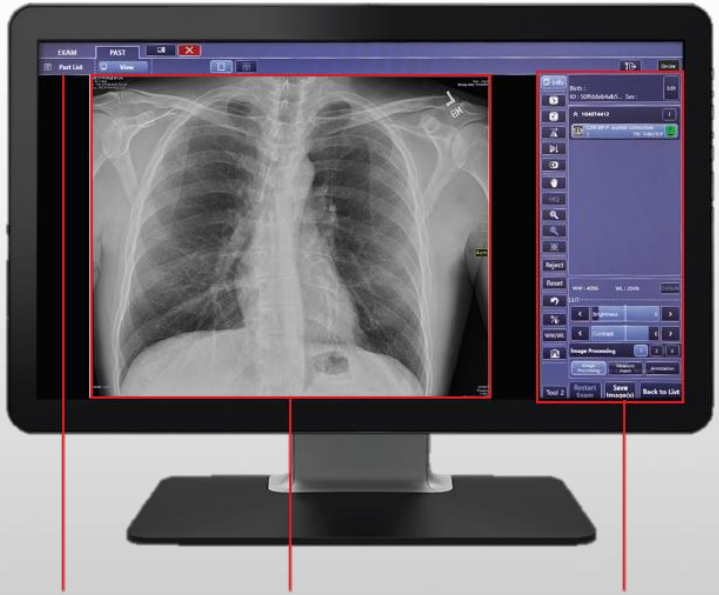
- CsI (Cesium Iodide) scintillator, 125 micron pixel pitch
- Generous IPX7 rating for liquid intrusion protection
- Among the lightest weight detectors available in the market
- Available in three convenient sizes
- Ideal for point of care imaging in the ER, OR and ICU areas

CXDI-702C/402C WIRELESS

Value performance series of Canon wireless digital detectors

- CsI (Cesium Iodide) scintillator, 125 micron pixel pitch
- IP55 rated for dust and liquid intrusion
- Available in two sizes
- Ideal for various diagnostic imaging areas including tabletop and Bucky exams
- Supported by Canon’s feature-packed CXDI Control Software NE

Driven by Canon CXDI Control Software NE

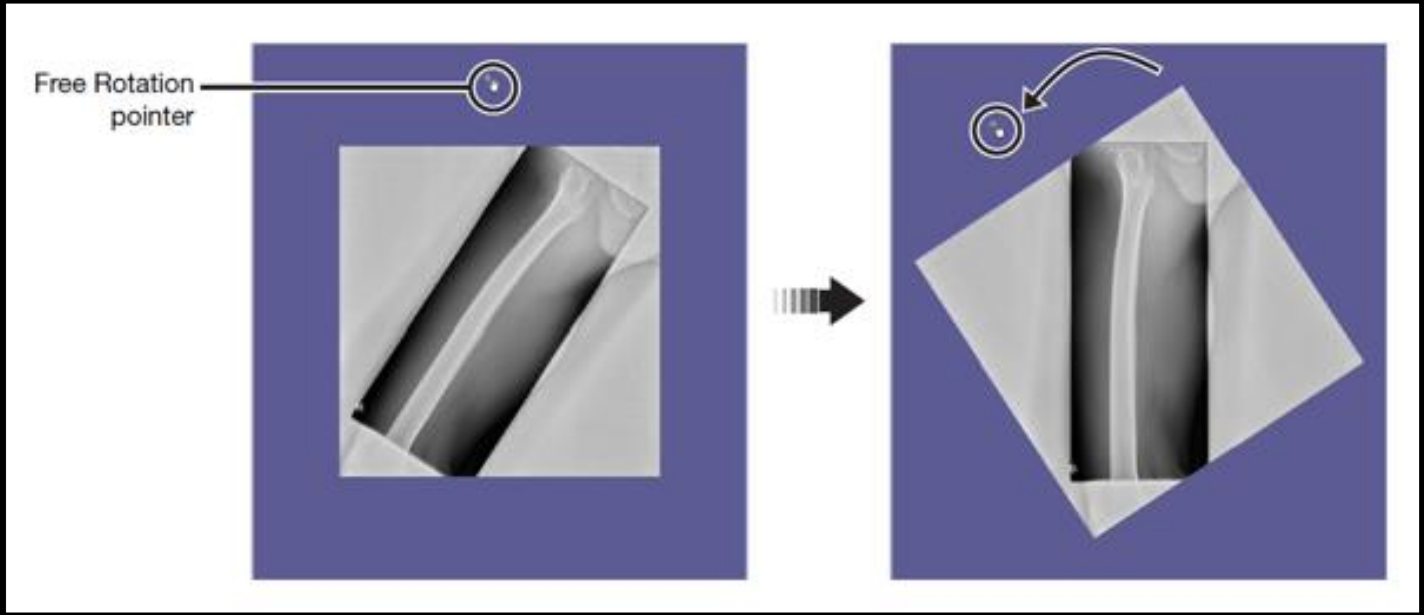


Workflow Tabs | Image Viewer | Image Processing

- Optimized Workflow
  - -Minimal steps and clicks from exam start to finish
- Seamless Operation
  - -Supports multiple study acquisition, emergency study and suspend exam functionality
- Robust set of standard features
  - -Premium functions typically offered by competitors at additional charge are included standard

Driven by Canon CXDI Control Software NE

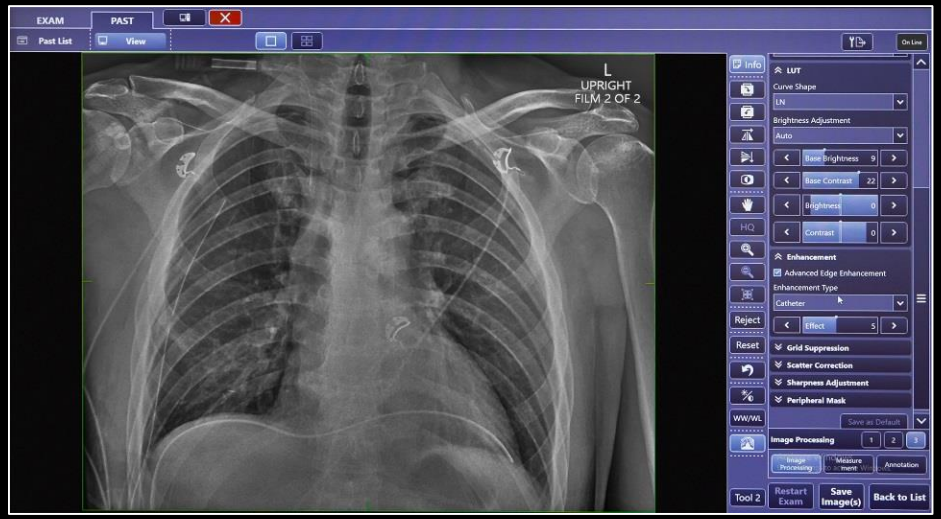
Free Image Rotation



Rotate images to any angle for optimal viewing

Driven by Canon CXDI Control Software NE

Single-click tube/line visualization workflow for accelerated clinical decisions



- Essential for confirming PICC line and tube placement prior to medication administration
- Standard offering, where many competitors charge extra for this software functionality

Driven by Canon CXDI Control Software NE

Advanced Edge Enhancement for amplified image processing and detail

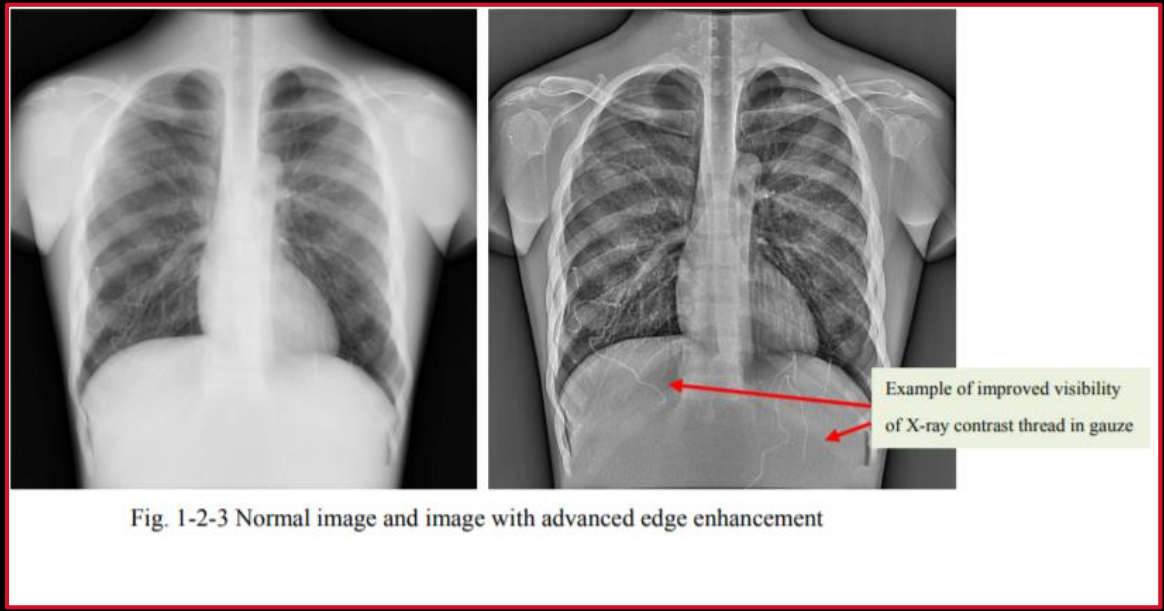


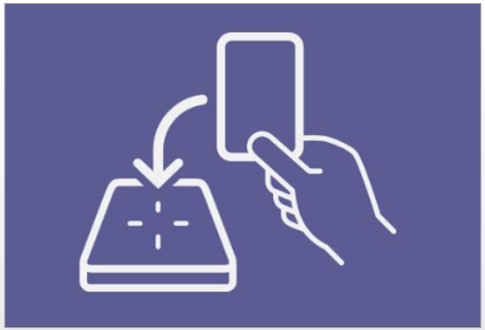
Fig. 1-2-3 Normal image and image with advanced edge enhancement

- Premium image processing algorithms, offered standard
- Examine and verify retained surgical items within operating room settings
- Excellent image detail for bone, fine structures, and soft tissue anatomy

Driven by Canon CXDI Control Software NE

ID card login for flexible system access

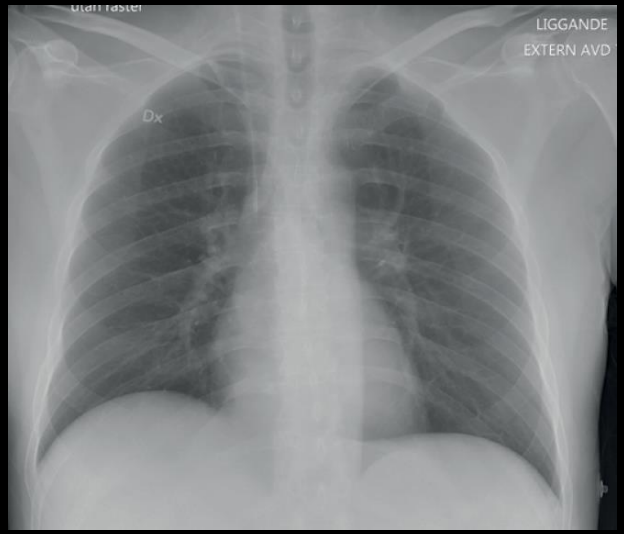
- Provides quick “tap and go” login
- Ability to tailor user access based on site preferences
- Choice of multiple levels of secure access to software and system
  - ID card login only
  - Keyboard with username and password
  - Both keyboard username/password and ID card login



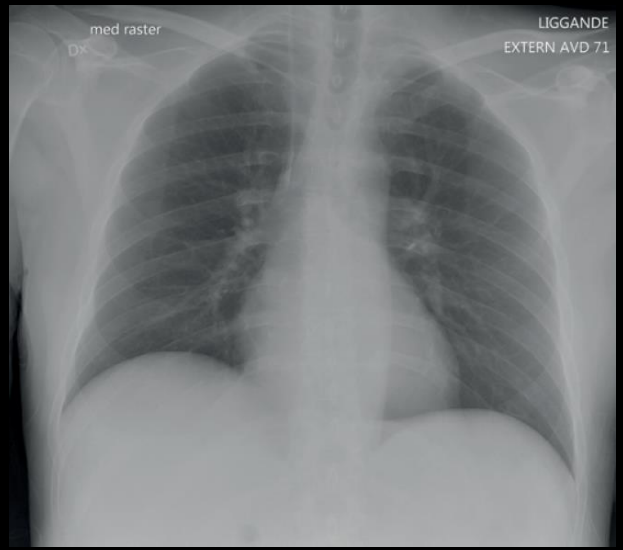
NE software ID card pre-punched to easily hang with other badges and access cards

Canon CXDI Control Software NE

Scatter Correction Feature* for CXDI reduces effect of scatter on non-grid exams



Imaging with Scatter Correction Feature

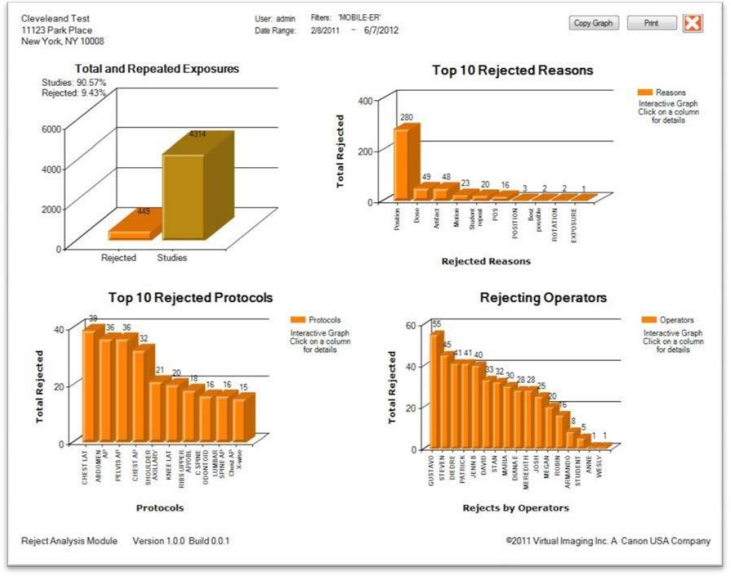


Imaging with grid

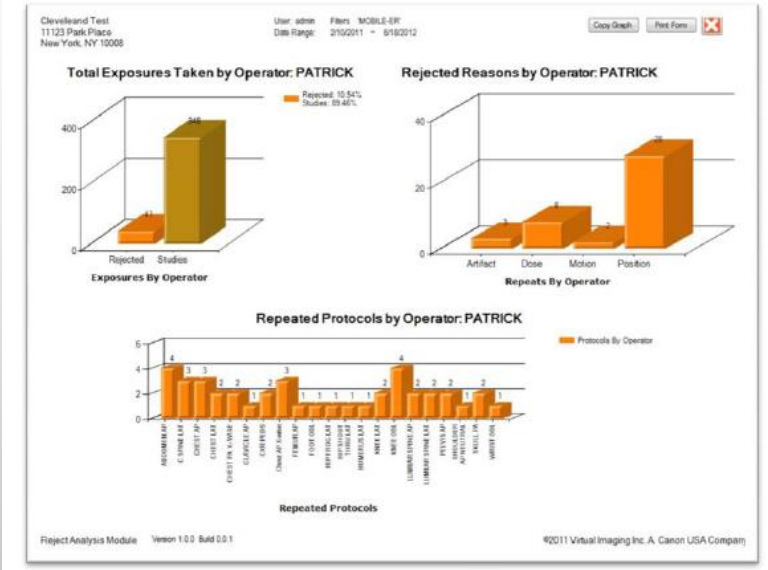
*sold separately

Reject Analysis Module

Reject/Repeat Analysis Module* supports departmental QC and QI programs



Tailored software trends repeat and rejected exposure data



Operator-specific repeat/reject data

*sold separately

Designed for People

Patients

- Confidence of Canon's image quality known worldwide
- CXDI detectors offer high resolution and low dose
- Capability to perform a wide variety of exams on all types of patients at point of care
- Industry-unique 11x14 in detector well-suited for orthopedics, NICU and pediatric exams
- Confident, fast diagnosis

Clinicians

- Seamless, convenient operation
- Supports busy and complex workflows
- Multiple detector sizes available to optimize positioning and image acquisition
- Ergonomic features reduce operator injury and fatigue

Solve Business Challenges

Operational

- Exclusive technology to reduce workflow interruptions and delays
- Reject analysis software supports departmental quality initiatives
- Detectors built for the demands of mobile imaging
- Design features that reduce risk of injury to patients and staff
- Detectors are secured in front bin when system is idle

Financial

- Robust set of standard software features typically offered by competitors at additional cost
- High asset utilization with shareable detectors
- Attractive equipment finance options with Canon Financial Services
- Flexible post-warranty and detector drop coverage plans to minimize downtime and extend product life

Clinical and Business Scope:

SOLTUS® 450 Mobile Digital X-Ray System

Target Customers:

- Hospitals (any size)
- Imaging centers
- Urgent care clinics/Freestanding emergency rooms
- Ambulatory surgery centers
- Large, multi-physician and multi-specialty clinics

Targeted Scope of Care:

- Emergency room
- ICU
- Med./Surg. unit
- Post-operative
- Intra-operative
- Isolation areas

Windows® 10 Operating System Security Benefits

Device Guard is a combination of hardware, firmware and software security features ensuring that a device will only run trusted applications

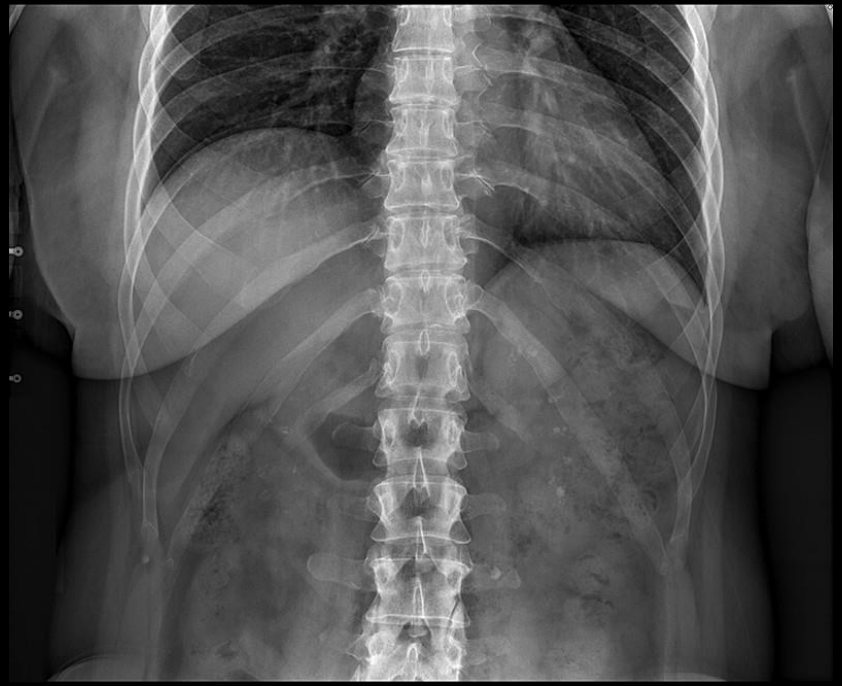
Bit Locker incorporates a secure encryption algorithm that is configurable by local admin. team that protects PHI and other data stored on

Increased **operational performance** compared to previous version operating systems

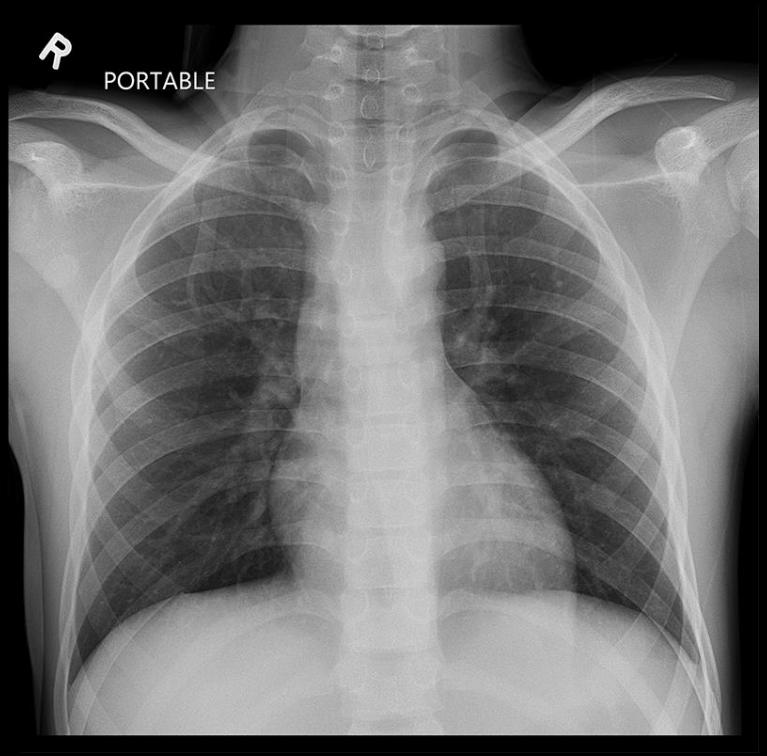
Windows 10 Enterprise requires only **Security Patch Updates** until 2022. Applications that are currently running can be assured of glitch-free operation without driver and features updates to the operating system.

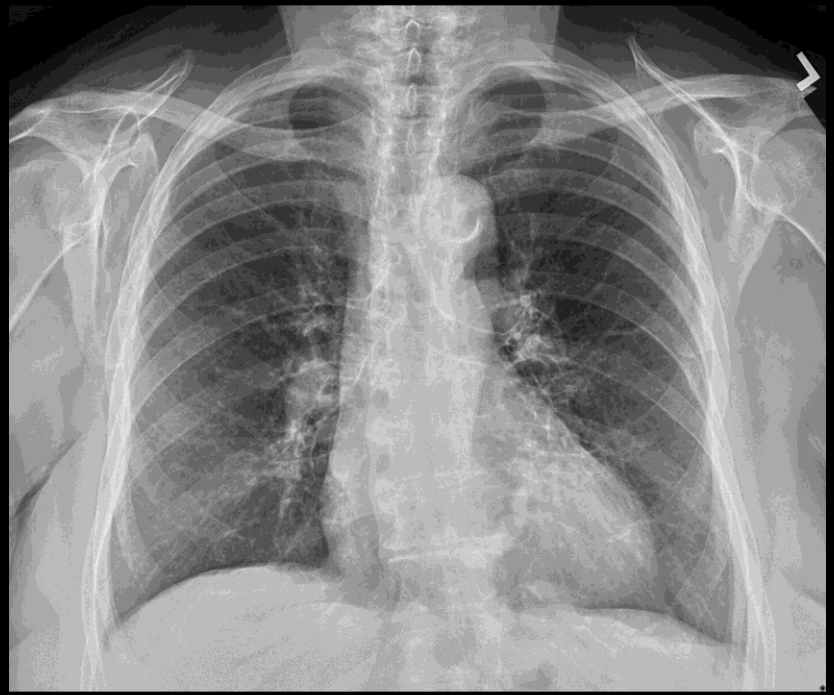
Clinical Image Gallery

Abdomen

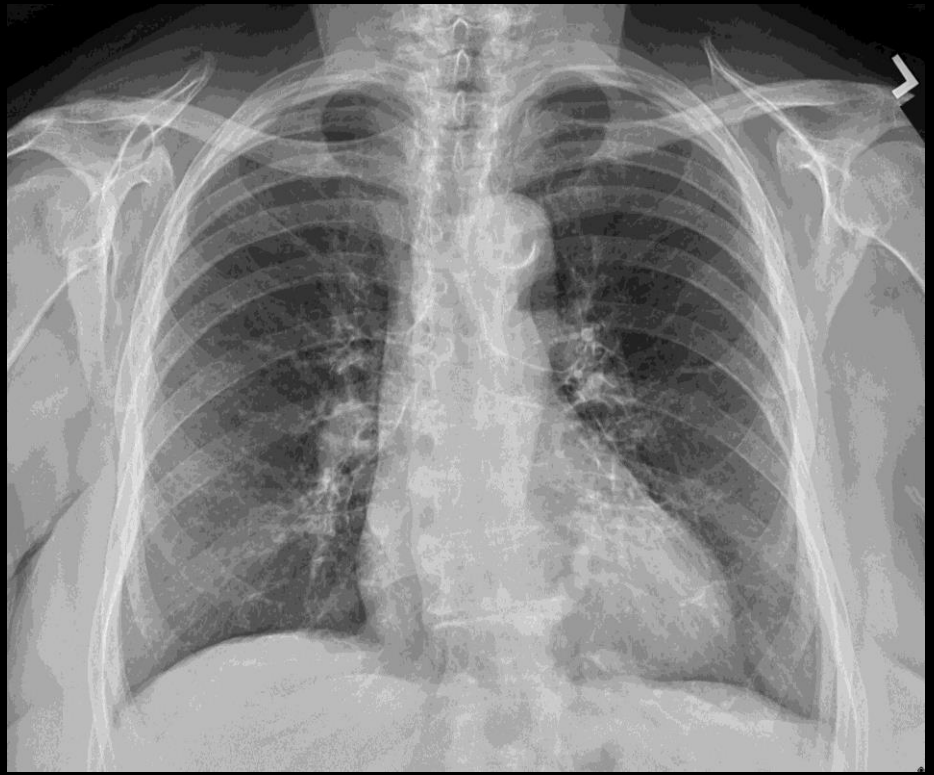


Chest

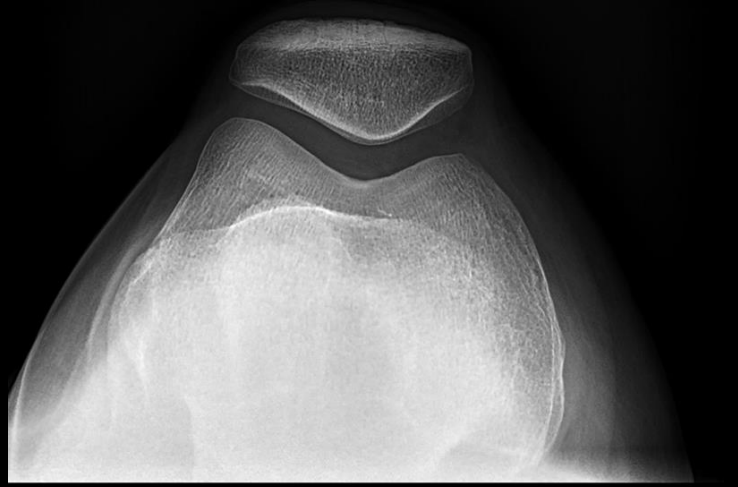




Chest PA and Lateral



Ortho Knee



Ortho Shoulder

Soft Tissue Neck

Made For life

For over 100 years, the Canon Medical Systems `Made for Life' philosophy prevails as our ongoing commitment to humanity. Generations of inherited passion creates a legacy of medical innovation and service that continues to evolve as we do. By engaging the brilliant minds of many, we continue to set the benchmark because we believe quality of life should be a given, not the exception.

Canon

CANON MEDICAL SYSTEMS USA, INC.