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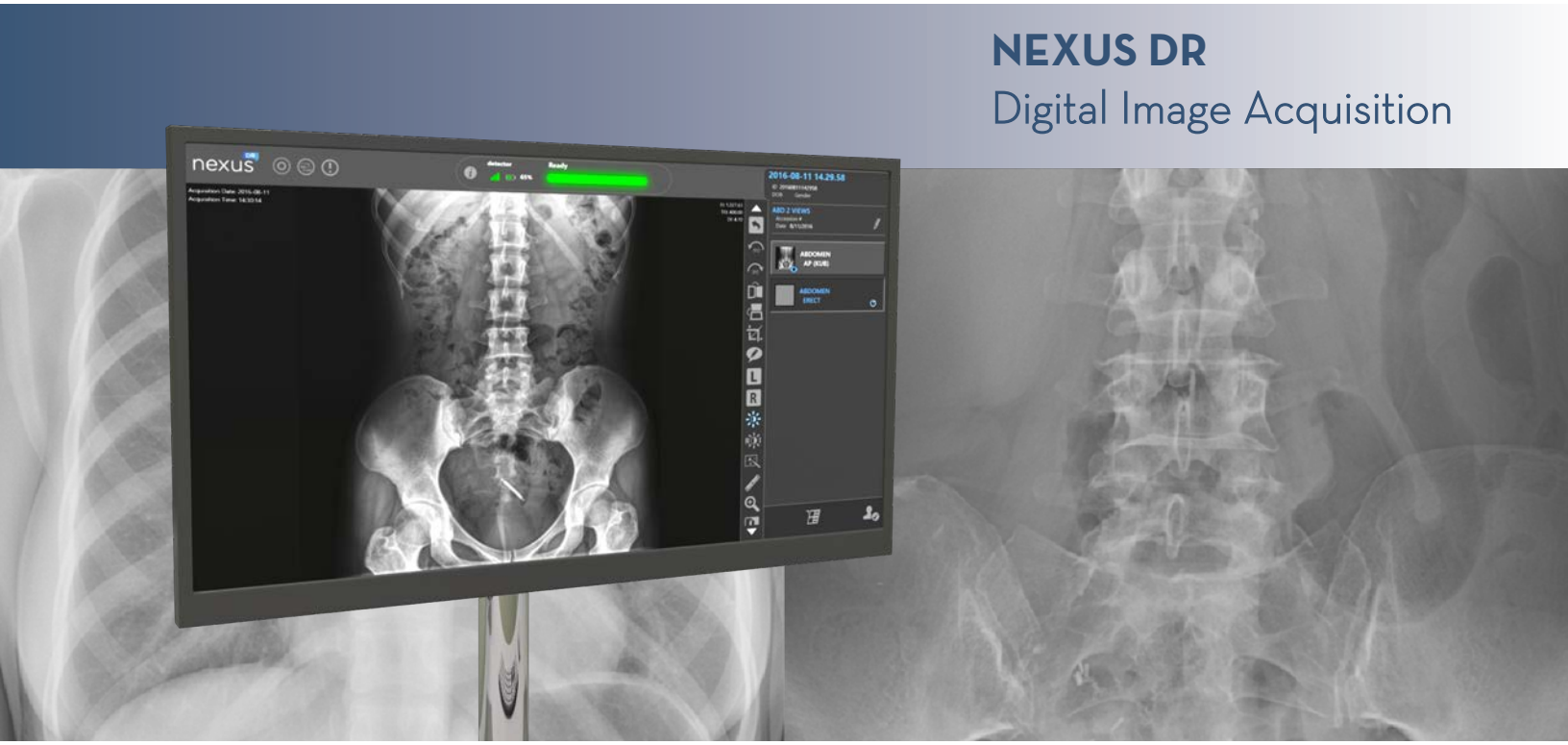
Making the Invisible Visible

NEXUS DR

Digital Image Acquisition



Nexus DR is a digital image acquisition system designed to automate patient work flow. It is a cost effective solution that includes image processing algorithms for displaying digital images.

Designed to provide digital images with minimal user interaction, Nexus DR is an efficient solution for your digital radiography needs. Optimized work flow with this product will allow X-ray technologists to focus on the patient while capturing images.

Image Processing

- Site specific image processing capability

Cost-effectiveness

- Nexus DR is designed to be packaged and resold to end users by our customers
- Nexus DR package options can include a Varex Flat Panel detector and a complete workstation computer kit. When a complete hardware and software kit are purchased, Varex Imaging will setup and test the system with the flat panel prior to shipment.

Ease of Use

- IOS-like look and feel with multi-touch monitor
- Patient worklist selection when integrated with RIS
- Pre-loaded exam protocols
- Auto Send to DICOM server

Interface Capabilities

- Dose meter[1]
- Generator[2]

nexus DR

Software Features

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Acquisition Features

- User input via touchscreen or keyboard & mouse
- Patient selection from work list
- Exposure Index for technique optimization
- Auto advance to acquisition upon patient selection
- Auto acquisition advance based on custom protocols
- Optimized DR image acquisition work flow
- Auto Send to DICOM upon completion of exam
- Multi-Panel Support - up to 3 panels
- Autonomous Mode (up to 500 images)

Software Features

- HIS/RIS work list support
- Configurable automatic study advance
- Over 500 preloaded exam profiles
- Accept/reject functionality
- Auto region of interest (ROI)
- Thumbnail image display
- Left/right markers with smart positioning
- Optimized work flow for fast patient throughput
- Measurement and annotation tools
- Free Rotation
- Support for multiple languages
- Background multi-tasking hard copy allows simultaneous processing and printing during acquisition
- Online and remote service diagnostics
- Image Stitching - multiple images into one image
- Customizable Printing
- Basic Radiation Structured Dose Report
- JPEG export (including email)
- Reject Analysis Report
- vSharp® - scatter correction
- True Size Printing
- DICOM 3.0 and IHE conformance
- Image Gently - acquisition parameters based on patient age/size

Image Processing Software

- Utilizes image processing algorithms for displaying digital images
- Imaging parameters tied to customizable APR-based acquisition profiles

Nexus DR Hardware Specifications

Our Recommended Hardware as follows:

- Tablet, all-in-one, or small desktop PC
- Intel Core family CPU (4th generator or later)
- Windows 10 & 11 Professional® - 64 bit operating system
  - Direct X 11 or higher
- 256 GB HD or SSD (not intended to be an archive device)
- 8 GB RAM
- Multi-touch monitor to enable touch capability
- Keyboard and mouse fully supported

Flat Panel Detector

Nexus DR is integrated with Varex's latest 43x36cm (17x14 inch), 43x43cm (17x17 inch), and 25x30cm (10x12 inch) Radiographic Flat Panel Detectors in both wireless and tethered connections.

- Cesium iodide or GadOx scintillators available
- vTrigger (AED) or hardwire exposure synchronization with integrated generator

[1] Contact your account manager for currently supported or any future supported dose meters.

[2] Contact your account manager for currently supported or any future supported generators.

For more information about the Nexus DR, please contact your Varex Imaging representative.

Unless otherwise specified, Varex Nexus DR components are intended to be integrated into products by X-ray system manufacturers. System manufacturers are responsible for qualifying and validating their products for their intended uses and meeting all applicable regulatory requirements.

All promotional material and the information provided herein is for planning purposes only. Commercial sale is dependent upon regulatory clearance.

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USA HEADQUARTERS
Salt Lake City, UT P:
+1-801-972-5000

WORKSTATION PRODUCTS
121 Metropolitan Dr.
Liverpool, NY 13088
Tel: 315-234-6800

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