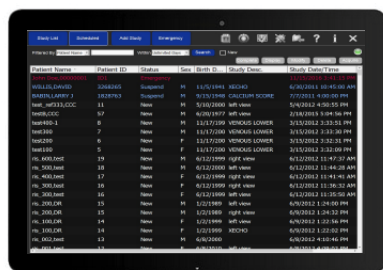# **Power**PACS™ Digital X-Ray Imaging System

PowerPACS™ Digital X-ray Imaging System consists of PowerPACS acquisition software, computer, monitor , an x-ray imaging detector and RADinfo SYSTEMS' web based mini-PACS.

The PowerPACS acquisition software takes an imaging exam order as its input, interfaces to a CR/DR panel , acquires images , passes the acquired raw images to RADinfo SYSTEMS' AccuImaging image processing and produces a high-resolution processed images for medical diagnostic purposes. The images will be stored and managed on a local web based mini-PACS and/or in RADinfo SYSTEMS' cloud for long-term storage and disaster recovery purposes.

PowerPACS Acqusition Device

DR Panel

- **Modality Worklist and manual exam order entry**
  The software can obtain Modality Worklist (MWL) records from a remote Modality Worklist server.   A Modality Worklist record contains patient and study information of   an exam order.   As well, an exam order can be manually inputted from the   data entry module.

- **Support emergency care image scan**
  User can create an emergency order in one click without any manual input of   demographics information (John Doe). Server tool allows user to easily modify patient (John Doe) information to the correct patient information when available.

- **Intuitive GUI to select desired study procedures**
  The well designed GUI allows the user to select body part from a set of anatomic body views.   Each view specifies   different   scans for images to be acquired, which includes a desired x-ray technique to be used in the x-ray exposure and image processing parameters to be applied to the acquired image.

- **Procedure code mapping**
  The procedure code mapping of the software is based on compendium code along with an easy to use tool allowing users to customize any and all exam codes.   Procedure code mapping streamlines workflow linking each code to a pre-defined scanning protocol in one click.

- **One shot re-calibration of the DR panel**
  One shot calibration allows user to re-calibrate the panel easily to consistently maintain the image quality.

- **On-board memory to secure scanned raw image**
  In an unstable network environment or when using a portable device, software can resume image transfer from the on-board memory to a computer. This will eliminate the need for image retakes, thus avoiding unnecessary x-ray exposure to the patient.

RADinfo SYSTEMS™

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Delivering Solutions that Meet Your Vision™

PowerPACS™ Digital X-Ray Imaging System

Image Processing and QA Tools

- **State- of- the- art image processing algorithm provides the highest quality diagnostic images**
  PowerPACS acquisition software uses RADinfo SYSTEMS' FDA approved Artificial Intelligent image processing algorithms to generate the highest quality diagnostic images for all medical professionals.
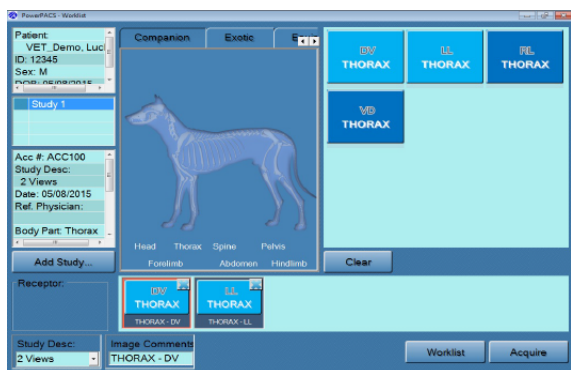- **Advanced QA and imaging tools to optimize workflow**
  A complete acquisition software with an intuitive user interface provides fast image acquisition, image review, reprocessing and user customized workflow management tools to maximize efficiency and optimize patient flow.

The QA and imaging tools include but are not limited to:

Auto Cropping	Change Image Orientation
Shuttering	X-Ray Exposure Statistics
Exposure Index	Markers and Annotations
Image Reprocessing	Zoom and Window/Level
Suspend Study	Auto Grid Suppression
Stitching	One Click Emergency Acquisition

PowerPACS Acquisition View Setting Screen

PowerPACS Acquisition Image Acquire and QA Screen

Web Based mini-PACS

Integrated mini-PACS with this image acquisition system provides the practice a complete x-ray imaging and archiving solution. The system distributes full-fidelity DICOM images to diagnostic or clinical viewing stations through our self - loading FDA approved (RSVS) viewer. With this 3 concurrent client web based PACS, there is no application or viewing software to manually distribute nor any need to configure any complex DICOM communication.

About **RADinfo** SYSTEMS™

Established in 1993, RADinfo SYSTEMS develops and supports Cloud computing, Windows-based, DICOM-compliant software for PACS, Teleradiology and image/information systems management. With products installed at hundreds of locations throughout the world, RADinfo SYSTEMS is also a systems integrator, bundling our software with modality and hardware manufacturers' products to provide complete information and image management solutions backed by around-the-clock technical support. In addition to developing the interface software that exist on modalities today, the privately held RADinfo SYSTEMS supplies software products and system development for many major modality and healthcare product vendors.

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