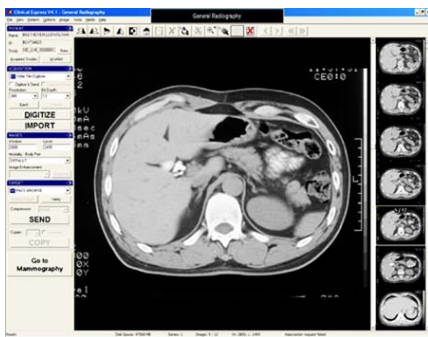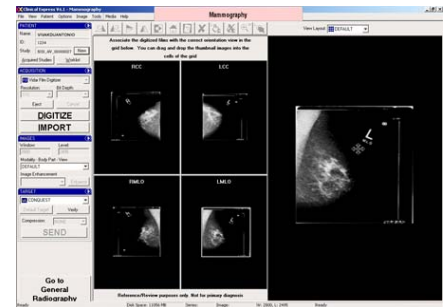# Clinical Express®

General Radiography & Mammography
DICOM Film Acquisition Software

Clinical**Ex**press is designed for ease of operation and developed specifically for use with VIDAR's industry leading line of film digitizers — the CAD PRO® *Advantage*, DiagnosticPRO® *Advantage*, and SIERRA *Advantage*. This software application complies with the Digital Imaging and Communications in Medicine (DICOM 3.0) standard to digitize prior films and send the images to the PACS archive, mammography reading workstation, or other DICOM compliant workstations. The software is CE-MDD compliant and is available in modules to build a cost-effective solution for your specific needs. Choose from the Base Package for General Radiography or the Base Package for Mammography – or combine the two. Add-on modules for Modality Worklist and/or Patient Data Interchange (PDI) are available to complete your solution. The *C*linical*Ex*press software has international date format options and is available in English, German, Spanish and Italian.

General Radiography. Digitize general radiography films or CT/MRI images. The base package for general radiography allows printing of digitized films for chemical-free film reproduction. It also includes the ability to separate MRI and CT films into single images in one series for viewing in cine mode at a reporting workstation.

Mammography. *C*linical*Ex*press provides a dedicated user interface for digitizing mammography priors. A visual display allows the user to quickly see if the films are in the proper order for application of DICOM MG hanging protocols. Radiologists see the prior images along with the new digital study on the mammography reading workstation with their hanging protocol preferences applied. Most importantly, radiologists can focus on their task with fewer interruptions and without moving between two different reading technologies (a soft read workstation and a film view box) and negatively impacting their visual system and concentration.

Less Time… Fewer Errors. The **Modality Worklist option** allows *C*linical*Ex*press to query for patient demographics and study data from a DICOM Modality Worklist server, eliminating the need to retype patient study information and minimizing the possibility of misplaced images.

Import/Export Other DICOM Media. The DICOM IHE/**PDI option** allows importing of DICOM data from portable CD media to send to PACS. You can connect a TWAIN-compliant paper scanner to combine paper reports or other documents into the patient's file, providing the convenience of one software control while protecting your digitizer investment from the dust and debris associated with paper.

3DSYSTEMS

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ClinicalExpress®

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SPECIFICATIONS

Computer
The *minimum* computer system:
For Windows XP Professional (32-bit) SP 3:
• 3.0 GHz Pentium 4 PC
• 2.0 GB of memory; more for large sets of high resolution images
• 50 GB free space on hard drive

For Windows 7 Professional (32-bit/64-bit)
• Dual Core 2 – 1.8GHz PC
• 3 GB of memory; more for large sets of high resolution images
• 50 GB free space on hard drive

Video
• Video card with 16 MB memory set to 1280 x 1024 resolution and 64,000 colors or higher color depth
• 17" display with 1280 x 1024 resolution

Film Digitizers
*ClinicalEx*press supports these VIDAR digitizers:
• DiagnosticPRO *Advantage*   • SIERRA *Advantage**
• CAD PRO *Advantage*

Modules – Buy only what you need
• Base Package for General Radiography (DICOM SC)
• Base Package for Mammography (DICOM MG)
• DICOM Modality Work List
• DICOM PDI: CD-ROM Media Import/Export and paper scanning with separate paper scanner

Paper Scanners
Must be TWAIN compliant. Contact VIDAR for a complete list of supported paper scanners

Specifications are subject to change without notice

Common Features
• QA tools: window/level, rotate, flip, invert, and redact sensitive information
• HIPAA compliance functions include auto logout, locking function keys, patient data anonymization and audit trail
• Thumbnails for quick access to images
• One-click image deletion
• Batch Scanning (if supported by the digitizer)
• DICOM JPEG lossless image compression

Base Package for General Radiography
• DICOM (SC) Storage Class User
• DICOM Print
• Separate MRI and CT films into single images in one series for viewing in cine mode at reporting workstation
• Anatomical processing
• Digitize & send or digitize & print (Copy) – one click

Base Package for Mammography
• DICOM (MG) Storage Class User
• Visual QA of image order before application of hanging protocols
• Drag and drop to rearrange image order

Note: In accordance with FDA regulations and ACR guidelines, Mammography images digitized using ClinicalExpress are to be used for Reference/Review only, not primary diagnosis.

ClinicalExpress is not diagnostic viewing software.

* **SIERRA** *Advantage* does not support 570 dpi image resolution and is therefore not appropriate for mammography.

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