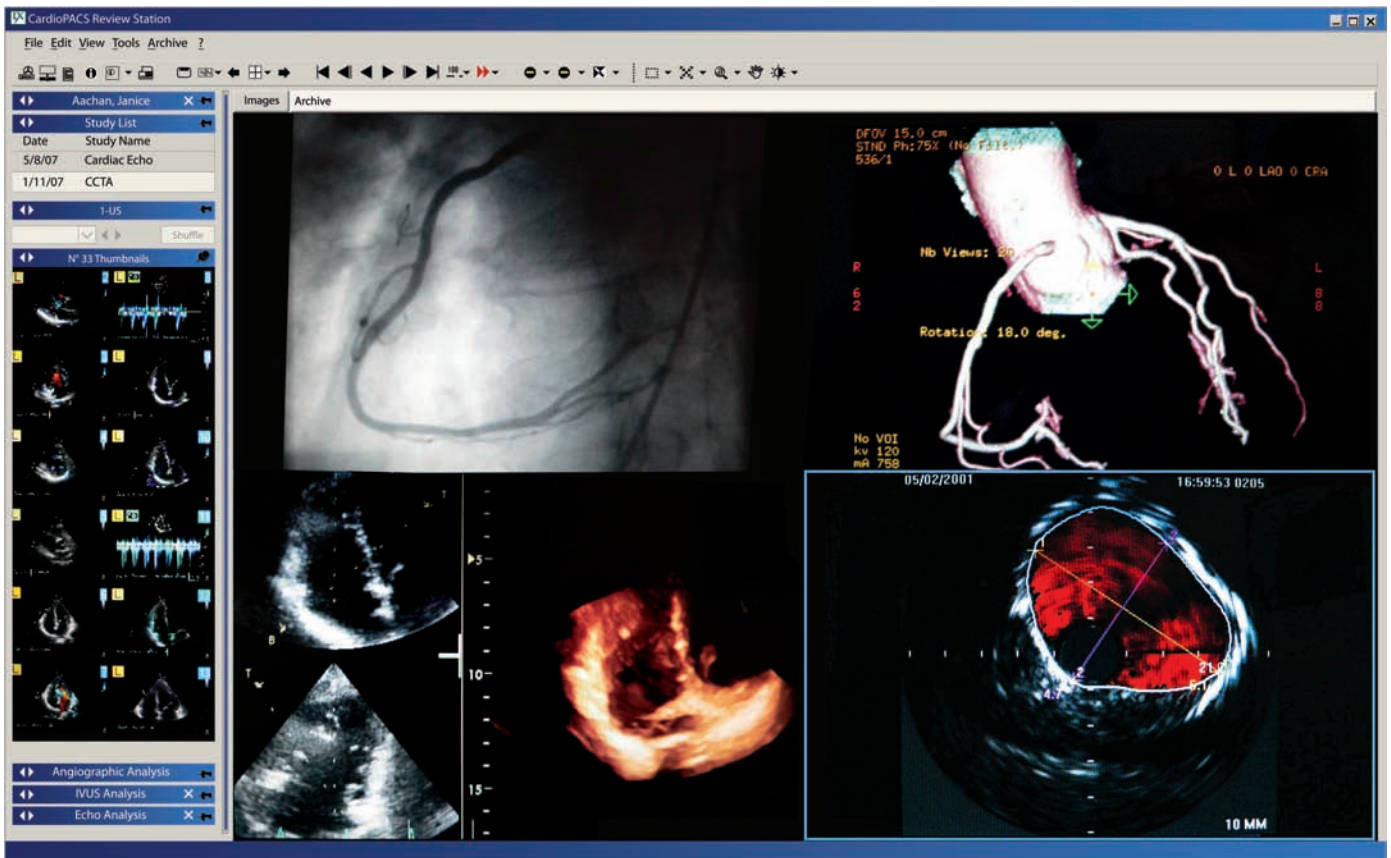


CardioPACS™ 5.0 Diagnostic Viewer

CARDIOPACS MODULE

CardioPACS 5.0 Diagnostic Viewer provides query, retrieval and viewing of any DICOM XA, CT, MR, US, IVUS or NM image files from its archive or from an external DICOM archive. Displays images up to a 10 x 10 format in a single- or dual-monitor environment. Controls stacking, subtraction, windowing, static and dynamic filtering, colorization, panning, zoom, ROI selection. A simple and user-friendly interface allows precise playback control of loops. All the images are displayed as thumbnails. Exports JPEG, TIFF or AVI files to the clipboard for printing to reports. Writes single and multipart studies to CD/DVD media with a free viewer. Reads DICOM studies from CD/DVD media. Reads Philips-Agilent® (HP) TIFF and ATL® DEFF formats from MOD. Supports simultaneous image and report viewing on two monitors. Allows assigning several functions to the main and secondary monitors. Provides offline measurements such as QCA, LVA, IVUS, 2D, MMode and Doppler using optional analysis modules. Provides post-processing and analysis for NM SPECT and PET studies with optional 4DM SPECT analysis engine. Optional integration with third-party 3D image processing tools like TeraRecon and Vitrea for Cardiac MR, CT and Calcium scoring is possible.



Main Features

File Formats & Conversion

- Multi-modality review software (Angiography, Ultrasound, IVUS, MR, CT, Nuclear, etc.)
- Support for DICOM 3.0, DSR-TIFF, DEFF file formats
- Support for uncompressed, JPEG lossy and lossless, JPEG-LS and RLE syntaxes
- Support for DICOM international character sets (English, Latin, Arabic, Japanese, Chinese, etc.)
- Conversion to single image formats (JPEG, TIFF, BMP) with cropping and anonymization
- Conversion to AVI loops with trimming, cropping and anonymization
- Automatic batch study conversion to multimedia formats and/or anonymization

Archive

- DICOM CD/DVD study upload into archive
- Split/merge DICOM studies from archive

Display Functionality

- Study history and side-by-side comparison of studies (pre-, post-, etc.)
- Selectable full screen image/loop display
- Automatic series or film view from MR/CT DICOM series
- Brightness/Contrast control and automatic or semi-automatic image windowing
- Mouse adjustable zoom, lens and pan controls
- Multi-window display (N x N) for simultaneous comparison of images and loops
- Thumbnail display for series/images and image file previewing functions
- ROI selection (rectangular, elliptical, free-hand region)
- Extensive set of image filters (high pass, low pass, digital subtraction, etc.)
- Extensive set of color filters (negative, sepia, thallium, etc.)
- Measurement package (Angiographic Analysis, Echo Analysis, IVUS Analysis)
- Unsynchronized or synchronized loop playback, speed control and sub-loop selection

Ease of Use

- Save user preferences (brightness, contrast, etc.)
- Keyboard quick access keys for most important functions and loop navigation
- Complete access to all DICOM information and tags
- Printout of selected images or of a ROI to standard ink-jet or laser printers
- Single image/loop file open/save function
- Automatic detection of DICOM media insertion/removal
- Explore folder function to extract DICOM files from file folders also in case of missing DICOMDIR
- Drag & Drop patient/study/image input and output

System Requirements

Intel/AMD Dual Core processor or higher

4GB RAM or higher, 80GB SATA disk (20GB C OS: and 60GB D: data partitions) 48X CD or CD/DVD combo writer, Gigabit NIC 256MB Graphics Card with Dual DVI Dual 19" flat panel LCD color monitors resolution: 1024x1280 @ 60Hz, Brightness: 300cd/m², Dot Pitch: 0.27mm Response Time: 8 ms

Windows XP Professional, Internet Explorer 5.5 and above

Keyboard, mouse

About LUMEDX: With over 600 heart center clients worldwide, LUMEDX is the market leader in fully integrated cardiovascular information and imaging systems and the No. 1 independent integrator of cardiology information solutions. LUMEDX offers the most proven, comprehensive package of clinical information tools, cardiovascular products, and services to help medical institutions enhance quality of patient care, reduce costs, streamline workflow, increase patient volume, and grow revenue.