

Gear View Basic

Release Notes

Version: 2.3.0

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Date: Thursday, October 20, 2016

LX-DOC-GVB2.3.0-RN-EN-REVB

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Overview

Gear View Basic is a small-footprint DICOM viewer program that gives patients and healthcare personnel a simple way to view medical images and related results. You can burn the Gear View Basic program onto CDs, DVDs, or USB flash drives to create a complete and portable medical record.

Gear View Basic 2.3.0 (October 2016)

This release includes the following versions.

- Gear View Basic 2.3.0

Enhancements

This release includes the following enhancements.

- Added a video photographic image storage SOP (01431271).
- Changed the Presentation State default to Disabled (01445235).
- The Scout On/Off option is now unavailable when not applicable (FR 0737).
- Gear View can now display structured reports formatted in HTML.
- Added an option to disable cine playback synchronization for large studies.
- Added an option to omit certain elements when displaying structured reports.
- Added support for Windows 10.

Updates

This release includes the following updates.

- Resolved an issue with turning presentation states on and off (01445235).
- Resolved an issue in which nuclear medicine images did not appear correctly (01455839).
- Resolved an issue regarding Microsoft visual C++ libraries when installing the client (33148).
- Resolved an issue in which Gear View did not display US multiframe images (01481456).
- Resolved an issue in which users could not view some images from CD/DVD (01602895, 01603201, 01603115, 01627336, 01771701, 01964024)
- Resolved an issue in which Gear View Basic could not view 3D mammography tomosynthesis video clips (DE53096).

Gear View Basic 2.2.0 (August 2015)

This release includes the following versions.

- Gear View Basic 2.2.0

New features

This release provides the following new features.

- Gear View Basic can now display studies using embedded presentation states.
- You can now display the result of DICOM tag calculations on overlays.
- Gear View Basic now supports Windows 8.1.
- You can now change the font size when displaying a structured report.

Product enhancements

This release provides the following product enhancements.

- You can now configure whether to show or hide GSPS display.
- You can now configure whether to show or hide group 600x tags.
- Images from CDs now load significantly faster.
- You can now turn scout lines on or off from the shortcut menu of certain images.

Updates

This release includes the following updates.

- GEARView Basic is now called Gear View Basic. This change is reflected in the updated product.
- Resolved an issue in which Gear View Basic did not display information from certain structured reports.
- Resolved an issue in which Gear View Basic did not display the Verifying Observer in some structured reports.
- Gear View Basic now correctly applies sigmoid window level values.
- Resolved an issue in which certain CT images within series appeared blank, or as black tiles in a layout.
- Resolved an issue in which Gear View Basic displayed series within large (1 GB or more) CT studies out of sequence.
- Improved memory management to avoid Windows error messages when importing or playing back certain series.
- Resolved an issue in which Gear View Basic did not set image types correctly after applying a VOI LUT.
- To shorten image loading times, reduced the Gear View Basic executable file size and improved memory management for loading large studies with multiframe images.

GEARView Basic 2.1.x (October 2013)

This release includes the following versions.

- GEARView Basic 2.1.x

Product enhancements

- Now displays Breast Tomosynthesis (DICOM BTO) studies. Two-up comparison viewing mode is supported.
- Now supports faster loading for MG, DX, DR, and other large images, including BTO.
- Now displays DICOM MPEG4 video and audio.
- You can now export encapsulated MPEGs as MPEGs, and view them with any video viewer.

- You can now hide DICOM markers and overlays (Group 600x).
- Now hides presentation states (GSPS objects).
- Now supports MRNs containing a backslash (\).
- You can now print multiple MG/DR/DX/CR series to one film if the series have at most one image.

Updates

- Enhancements in application memory management improve the display of large studies.
- Improved display quality for some MR images.
- Now uses a per-frame W/L (5200,9230) for MRI image quality.
- Resolved an issue with simultaneous viewing of multiple images.
- Faster loading of some echo and ultrasound studies.
- Resolved an issue in which CR images were black after importing from some CDs/DVDs.
- Resolved an issue with floating point values in the w/l fields that caused discoloration.
- Now properly displays MG images with the SIGMOID VOILUT setting.
- Fixed automatic window/level adjustment to improve display of CR images.
- Resolved an issue in which loading a large multiframe series caused GEARView Basic to be non-responsive.

Gear View Basic 2.1.3 (March 2014)

This release includes the following versions.

- Gear View Basic 2.1.3

Product enhancements

- You can now show or hide the patient orientation labels with overlays.

Updates

- Resolved an issue in which, when loading a CR image, switching to full screen caused loading to slow down.
- Improved display for CR images with Big Endian transfer syntax.
- Resolved an issue in which some US studies appeared without the entire series included in the viewer.
- Resolved an issue in which missing MG tags caused an MG image to hang upside-down.
- Resolved an issue in which Gear View Basic prompted for a license key during CD import.
- Corrected the display of the total number of images in a stack.
- Now properly displays DX data when an image contains DICOM overlays (Group 600x).
- Now properly displays RLE-compressed image data.
- Improved study loading.

GEARView Basic 2.0.x (December 2012)

This release includes the following versions.

- GEARView Basic 2.0.x

Product enhancements

- Now includes a region of interest tool, and the acquired matrix for MR studies.
- You can now unstack a specific modality (CR, DX, MG).

Updates

- Compatible with Windows 8 x32/x64.
- When running Windows 7 x64, the GEARView Basic User's Manual opens with the latest version of Adobe Reader without error.
- You can now display images with a long text segment in the DICOM header.
- Resolved an issue in which, for some multiframe ultrasounds, the first frame was duplicated and the final frame did not appear.
- Dates of birth now appear in a localized date format.
- Windows Print now reflects pan and zoom changes.
- Improved pan and zoom persistence.
- A zoom factor now appears on images.
- Now properly displays images with non-conforming data in the Patient Orientation (0020,0020) DICOM tag. In this case, the image appears without the Patient Orientation data.
- Improved support for Values of Interest (VOI) LUTs for some CR, DX and MG images.
- Added support for these SOP classes: Enhanced XRF Image Storage, MR Spectroscopy Storage, Multiframe Grayscale Word Secondary Capture Image Storage, VL (Visible Light) Image Storage, VL Multiframe Image Storage, Multiframe Single Bit Secondary Capture Image Storage.

GEARView Basic 1.1.x (June 2012)

This release includes the following versions.

- GEARView Basic 1.1.x

Product enhancements

- Displays CR, MG, DX, and US multiframe images as one image per thumbnail.
- Displays image orientation labels if tag (0020,0020) is set.
- Now plays audio recordings created by the MDR® video product line.
- Now displays DICOM objects, including multiframe video clips, visible light images, and structured reports.
- Now provides image manipulation tools, including compare, cine, window/level, zoom, pan, annotation, customizable overlays, and presets.

- Now supports password-protection and encryption based on the Advanced Encryption Standard (AES) algorithm.

Updates

- Opened PET and CT studies appear in grayscale.
- Resolved an issue in which large MG images did not properly display.
- Resolved an issue in which overlays did not appear on MG images.
- Resolved an issue in which users could not maximize and view US clips without first playing them back.
- Improved the speed and overall appearance of US series.
- Resolved an issue in which images were darker than normal when window/level values changed in the middle of a CT.
- Supports the DICOM tags, Table Feed Per Rotation (0018,9310) and Spiral Pitch Factor (0018,9311).
- Now supports CR images that contain VOI LUTs.
- Resolved an issue in which thumbnail views were black with W/L values of 0/1,000,000.
- Resolved an issue in which US images appeared stretched for non-square pixel aspect ratios.
- Resolved an issue in which, when viewing US images with partial color, grayscale portions of the images did not display.
- Dates and times now appear in a localized format.
- Scout lines now appear when two series are perpendicular to each other.
- For multiframe studies, embedded clips with the same Series UID now appear as separate series.
- You can now export images and series as DICOM or JPEG files.
- You can now print images with the Windows Print function.
- For DICOM files without pixel data, now "No image available" in the viewport appears.