

Aperio GT 450 DX Release 1.2.4 Patch Notice

Leica Biosystems is always looking for ways to further improve our customers' experience using our products. Our software patches often include new features, but also include improvements based on customer input and our own internal testing. Please make sure to read below for the details of this patch so you can get the best out of your product. Thank you for being a customer of Leica Biosystems.

New Features Included in the GT 450 DX Patch

Aperio GT 450 DX release 1.2.4 now includes the following updates:

- Security patches and updates were applied to third-party off-the-shelf software.
- The scanner operating system was updated to Ubuntu 22.04.
- Homing logic for the XY stage was revised to account for random stage location during motor driver initialization.
- The pixel origin (the starting or reference point for the pixel grid in an image grid) for thumbnail and volume images was updated to match the Total Pixel Matrix Origin Sequence value specified in the DICOM standard.

Improvements Included in the 1.2.4 Patch

Case #	Description
28526 28609	Implements a default file naming convention for barcodeID when the scanner cannot decode a barcode.
28609	When a barcode is not available on the slide, the file name reads {barcodeid} as txt in the file name instead of blank.
28658	Enables the configuration of the SCU AE (service class user application entity) title in the DICOM file header. The scanner serial number is used for this purpose.
28689	Corrects the situation where, following a crash of the scanner, macro-focus errors are [inappropriately] displayed for the current slide and remaining slides in the rack.

Other Notes

We discovered an issue where certain regular expressions (regex) that worked in Ubuntu 20.04 no longer work in Ubuntu 22.04. This is due to a fix in the standard C++ library, implemented in December 2021, which now correctly handles invalid bracket expressions in regex and ensures more accurate regex validation.

For example:

- A regex that worked in Ubuntu 20.04 but not in 22.04: `^\[\w-\d]{3,20}\]`.
- A regex that worked in both versions: `^\w{2,10}-\d{2,5}\]`.

Customers using regular expressions to parse barcodes should verify those expressions are returning the expected results.

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 Part Number/Revision: PN-0070, Revision A | Date: January 2025
 This document applies to GT 450 DX release 1.2.4 and later.


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User Resources

- ▶ For the latest information on Leica Biosystems Aperio products and services, please visit www.LeicaBiosystems.com/Aperio.

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Revision Record

Rev	Issued	Sections Affected	Detail
A	October 2024	All	New document.



23GT450DXIVD
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