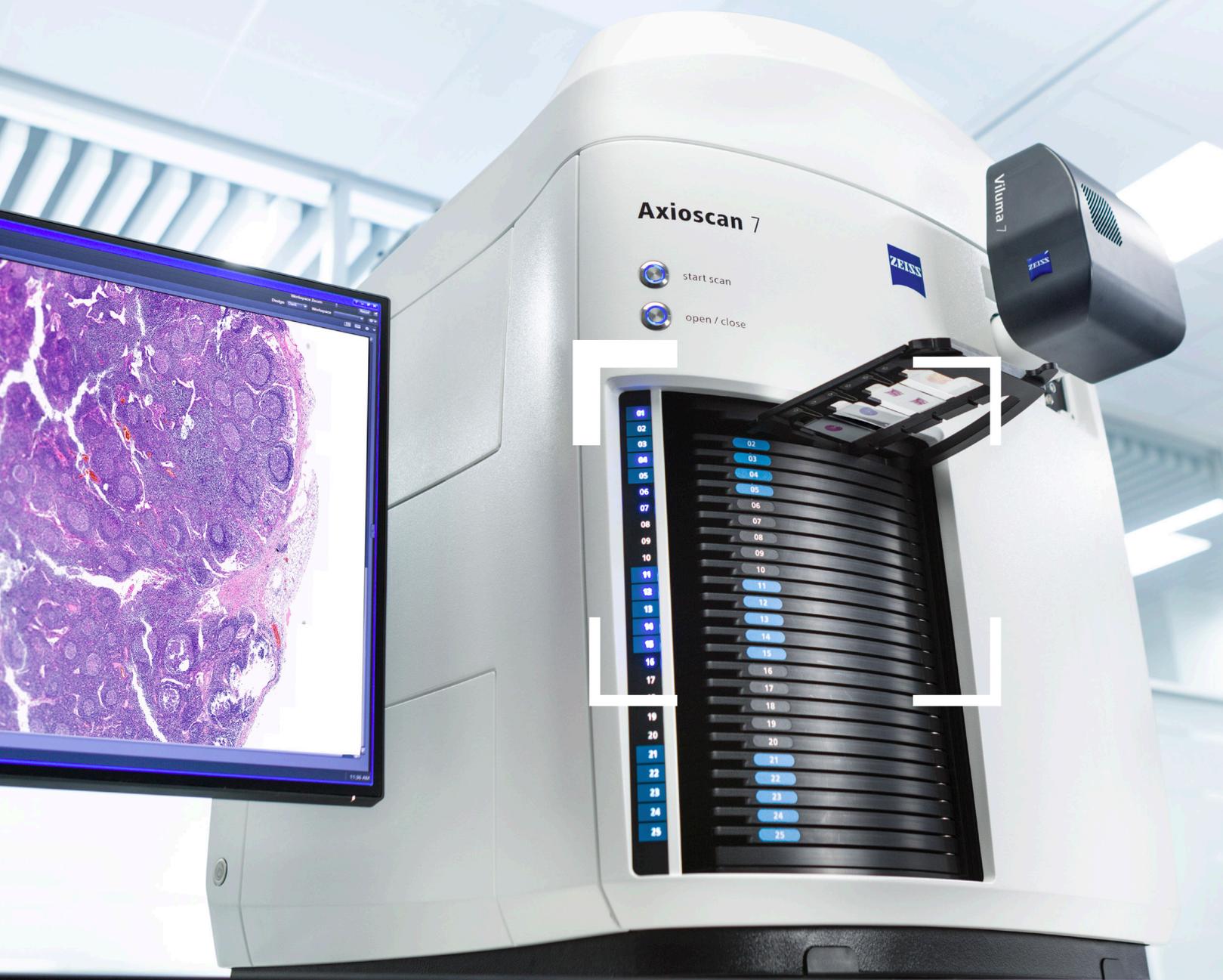# Unlock seamless image data flow.

ZEISS DICOM® Converter

Connect your ZEISS microscope to any DICOM compatible Image Management System

zeiss.com/axioscan-clinical

Seeing beyond

ZEISS DICOM® Converter

Get all your sample information smoothly integrated into your Image Management System (IMS).

Easily bring all your whole slide imaging (WSI) data into your IMS with DICOM – no matter if it's only brightfield or multi-channel fluorescence images.

DICOM stands for Digital Imaging and Communications in Medicine. It is the global standard for storing, transmitting, and sharing medical images and related information. DICOM defines how medical images such as radiology images are stored, so they include both the image data and all relevant metadata. Because DICOM is standardized, images from one device can be stored, retrieved, and viewed in another system – ensuring interoperability, collaboration, and future-proof workflows.
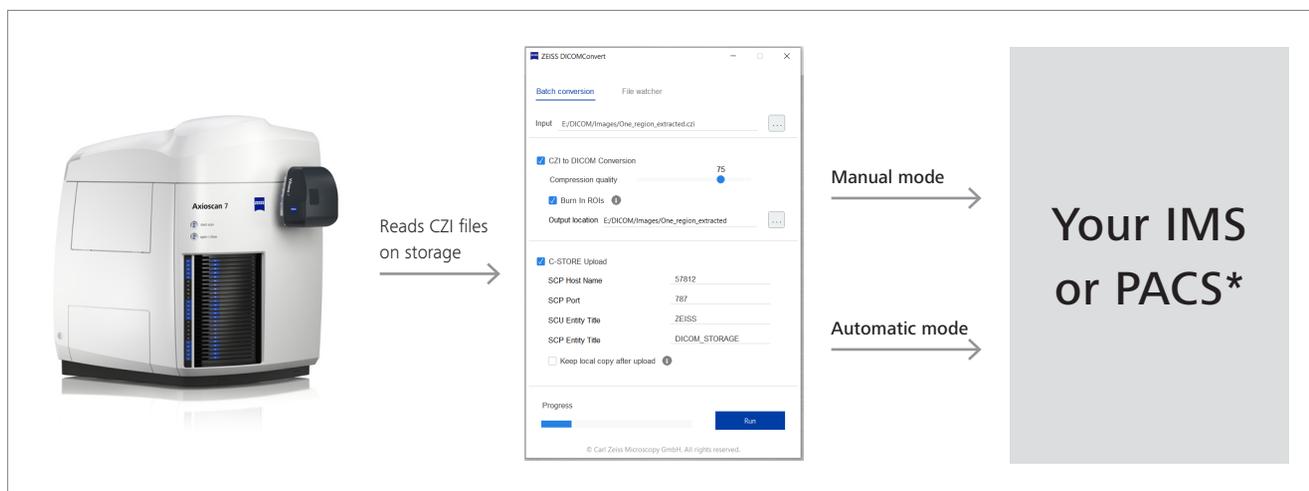
This has made DICOM also a preferred standard for Whole Slide Imaging (WSI) and is used in clinical and research environments to store not only brightfield images but also fluorescence images with multiple channels or z-stack data sets.

With ZEISS DICOM Converter, turning your image data into the global DICOM standard is effortless. Once configured, all your images are automatically converted and uploaded to your IMS.

Here is how it works step by step:
- **Acquire** whole-slide images (WSI) on your ZEISS Axioscan 7 clinical (or another ZEISS microscope). All files are generated as .czi file format
- **Convert to DICOM**. Choose the workflow that fits you best: convert manually with full control, or let automatic mode handle it seamlessly in the background. Now you get .dcm file format.
- **Upload to your IMS/PACS**
  If configured, ZEISS DICOM Converter uploads the image files automatically to your IMS.

Now you're ready to use your file and view and analyze directly within your IMS. ZEISS DICOM Converter supports brightfield and fluorescence WSI, including multi-channel and z-stacks, preserving valuable tissue detail.

Glossary:

PACS:	Picture Archiving and Communication System
IMS:	Image Management System
DICOM:	Digital Imaging and Communications in Medicine
WSI:	Whole Slide Images

* It's recommended to run the ZEISS DICOM Converter on a separate PC to not slow down image acquisition. Compatibility tested with Sectra / Proscia Concentriq

Technical Data and Conformity

Category	Specification
Supported Input Image Format	.CZI
Supported Image Dimensions	■ 3-channel RGB brightfield (24Bit)
	■ Fluorescence (14 Bit per channel)
	■ Z-stack images
	■ Polarization (only cPol supported)
Batch conversion mode	Single file, multiple files, and entire folder can be selected.
File Watcher mode	All new .czi files in a specified folder are converted automatically
Automatic upload to IMS/PACS with C-STORE	In both modes, automatic upload to your IMS/PACS software through C-STORE can be configured
DICOM meta data support	Many meta data fields are set automatically. Details can be found in the DICOM conformance statement.
Rescaling / resampling	Not supported.
Compression	Possible, but slows down the conversion process.
OS support	Windows 10, Windows 11
Supported languages	English
Supported Image Management Systems (IMS) or Picture Archiving and Communication System (PACS)	Any DICOM compatible IMS and PACS software can be supported. The upload is done with the standardized C-STORE upload protocol.
SAP No	410190-0116-101 SW SL DICOM Converter DLic

DICOM® is a registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.

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