



MantaPlexTM

Spatial Intelligence

TECHNICAL SPECIFICATIONS

Type of images supported

MantaPlex converts all images to Zarr internally for optimal performance. Large files may take longer to process, and for multi-scene files, all detected fluorescent images are imported.

- OME-Zarr (.zarr): Highly recommended.
- Zeiss CZI (.czi): Fully supported with complete metadata retention.
- TIFF (.tiff, .tif): Supported, but metadata compatibility varies by variant (*see below*).

Supported TIFF variants

While MantaPlex easily reads raw pixel data, proprietary TIFF metadata structures vary widely.

We support the following variants:

- OME-TIFF (.ome.tiff, .ome.tif): The recommended TIFF variant. Offers full metadata support.
- QPTIFF (.qptiff, .qptif): Fully supported with complete metadata.
- Leica SCN (.scn): Fully supported with complete metadata.
- ImageJ (.tiff, .tif): Supported with best-effort metadata parsing.

Unsupported data & conversion

For unsupported formats or compatibility questions, please contact us at contact@mantalys.fr. If you need to import unsupported data, you can convert it beforehand using third-party tools like QuPath, bioformats2raw, or ImageJ. We highly recommend using QuPath (the easiest and most versatile option) to export your data to OME-Zarr for optimal compatibility.

Operating system requirements

Minimum: Windows 10

Recommended: Windows 11

System requirements

Minimum: RAM 8GB, CPU: 2 cores @2.5GHz, Disk: 1 GB free (application only)

Recommended: RAM 16GB, CPU: 8+ cores @4GHz, Disk: SSD with 100+ GB for your data

You will need an Intel Core processor or any AMD processor manufactured after 2011.