MicroFile+®

Convert, Compress, And Curate Image Data from Many Microscope Sources

MicroFile+ is a free software application that helps researchers curate and store big image data from a variety of microscope devices. Modern microscopy imaging devices generate vast quantities of data in a myriad of formats. MicroFile+ converts large, unwieldy multi-dimensional data from most imaging sources into compact, easy to manage, and documented files that can be instantly loaded into MBF Bioscience and other 3rd party software for analysis. MicroFile+ preserves metadata and includes extensive functionality for adding and curating metadata to fully describe and document imaging experiments according to FAIR data standards.

Highly effective for use with images produced by whole slide scanners. Compresses files for efficient storage and web streaming.

Optimized to work with multi-terabyte 3D images from lightsheet microscopes.

MicroFile+ uses state-of-the-art compression methods to efficiently convert 2D and 3D images from most sources and file formats into manageable, standardized experimental results. Formats from slide scanners, confocal microscopes, light sheet microscopes, and standard sources are all supported. Convert nearly any type of image to the widely used jpeg2000 or OME-TIFF standards. These formats efficiently store big image and metadata for fast retrieval, viewing, and analyses across applications. MicroFile+ can convert images without limits on the file size or the number of fluorescent channels in an experiment.

mbfbioscience.com | 1-802-288-9290 | info@mbfbioscience.com |

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MicroFile+ Functionality

Direct Conversion
Convert nearly any type of microscopy image format to the widely used jpeg2000 or OME-TIFF standards. These formats efficiently store big image and metadata for fast retrieval, viewing, and analyses across applications. MicroFile+ can convert brightfield and fluorescent microscopy images without limits on the number of channels.

3D Volume Compilation
Combine individual images, such as serial sections or cleared-tissue images saved as separate tiff files, into 3D volumes for easy storage and immediate viewing in MBF Bioscience solutions.

Multichannel Conversion
MicroFile+ can handle complex data formats generated by light sheet and rapid scanning imaging platforms. Nearly any image format or output organization can be consolidated into accessible, efficient, and FAIRly documented images.

Visualization Projections
Produce popular data visualizations from series of images including deep focus, and maximum- and minimum-intensity projections on big data sets.

Did you say Free?
Yes! MicroFile+ is a free tool for Windows workstations that uses multi-threading to optimally utilize resources on computers ranging from standard to advanced multi-core configurations.

Download MicroFile+ at: mbfbioscience.com/download-microfile

About MBF Bioscience

A rich history of creating the future of neuroscience.

MBF Bioscience develops advanced tools for collecting and analyzing accurate, reproducible data from histological specimens, 2D and 3D microscope images, and freely moving *C. elegans* so that scientists can better understand brain diseases and processes at a cellular level.

Our products have helped researchers publish over 17,000 peer reviewed papers.

What our customers say

> We've been very happy for many years with MBF products and the course of upgrades and improvements. Your service department is outstanding.
>
> William E. Armstrong, Ph.D.
> University of Tennessee

> MBF Bioscience is extremely responsive to the needs of scientists and is genuinely interested in helping all of us in science do the best job we can.
>
> Sigrid Veasey, M.D.
> University of Pennsylvania

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