

MicroFile+[®]

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



MicroFile+ is a free tool that solves a problem faced by many laboratories and imaging facilities. Modern microscopic imaging devices can generate vast quantities and types of data. Organizing, storing, and analyzing this big data is a daunting problem—that MicroFile+ solves. MicroFile+ turns large, unwieldy multi-dimensional data from most imaging sources into compact, easy to manage, and documented files that can be instantly loaded by MBF Bioscience products for analyses. The files can also be used by numerous other software applications. MicroFile+ preserves instrumental and experimental metadata and includes extensive functionality for adding and curating metadata to fully describe and document image data.



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 number of fluorescent and brightfield channels in the experiment.



MicroFile+ Functionality

Direct Conversion

Convert nearly any type of 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 experimental images without limits on the number of channels.

3D Volume Compilation

Combine individual images, such as serial sections or cleared tissue images, 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 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.

Free

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 15,000 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

