File formats supported by MBF Bioscience Software

Extension	Format	Comments
.asc	Model data	Text version of the .dat modeling data file (not in VL360)
.czi		
.dat	Model data	Binary format containing the modeling data for Neurolucida (dendrites, axons, somas, markers, spines) and for Stereo Investigator (probes, markers)
.hdf5, .h5, .ims	HDF5	HDF5 consists of a file format for storing HDF5 data, a data model for logically organizing and accessing HDF5 data from an application, and libraries, language interfaces, and tools for working with this format.
.jp2	JPEG 2000	Very good quality/compression tradeoff Supports many channels at high bit depth.
.jpg, .jpeg, .jpf, .mjc	JPEG	2D - suitable for photo compression but generates artifacts for line compression
.jpx	JPEG 2000	Multiple JP2 planes in a single file MBF Bioscience uses an extended (but standard) version of this format to contain multiple virtual image planes and channels in a single image file.
.lif	Leica	Proprietary format for Leica microscopy imaging systems
.lsm	Laser Scanning Microscopes (LSM)	Image stack format used by Zeiss microscope systems
.mp4	Movie	Export movies in this format
.nd2		
.oib	Olympus Image Binary	Single binary file format that is a container for TIFF files and associated lens information for an acquired image stack
.oif	Original Imaging Format	Multi-file format that includes an .oif directory containing images, lookup tables, regions of interest and scaling information.
.svg	SVG	XML-based vector image format for 2-dimensional graphics
.svs	SVS	Aperio-specific format for virtual slides
.tif, .tiff	Fluoview	Image capture data IS embedded in the tiff tags, using standard TIFF format.
.tif, .tiff	OME, Keyence, Vesalius	
.tif, .tiff	TIFF	Preserves image data in non-compressed format. Limited to supporting files up to 4GB
.xml	Model data	XML (extensible markup language) version of the .dat modeling data file This format contains some extensions for 3D mesh modeling not stored in .asc and .dat files.
.xmp	XMP Sidecar	File containing lens scaling and channel information associated with a virtual slide, single image or image stack