

1. About BV Workbench

BV Workbench is image data acquisition/analysis software that has the function of controlling the products of Brainvision (MiCAM05-N256, MiCAM03-N256, ESTM-9) and the function of analyzing image data.

In addition to image acquisition, monitoring, input/output signal control, it is equipped with analysis functions and filter functions for acquired image data. It has a user interface that can be operated intuitively with a mouse.

BV Workbench licenses are issued for each computer by using a hardware ID created from information unique to an installed computer. Licenses issued for other computers cannot be used. Please contact SciMedia Ltd. (inquiry@scimedia) for reissuance of license.

This manual only describes image data analysis function.

2. Supported data format

List of file formats supported by BV Workbench

	GSD	RAW	TIFF/BigTIFF
Description	Format designed for BV Analyzer. Has many custom fields and user settings hard coded in the file structure. Analog data can also be embedded (MiCAM only).	New format designed for image with multiple regions and extensible metadata Uses less disk space than other formats when regions of interest are small.	Standard file format. BV Workbench will switch to BigTIFF automatically when the file is larger than 4 GB.
Pixel bit depth	14 bit	8 to 16 bits	8 or 16 bits
Max frames / file	65,535 (6.5 seconds at 10,000 fps)	4,294,967,295	-
Max file size	-	-	4GB (Standard TIFF), 2 ⁶⁴ bytes (BigTIFF)
Compression	×	○ (In future version)	○ (In future version)
Regions support	×	○	x
BV Analyzer backward compatibility	○	×	△ (Standard TIFF only <= 4GB)
BV Workbench support	Basic write support only. Automatically splits files when the number of frames is over the maximum.	○	○