BioVision Software Installation Instructions

Version: 1.0

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1. System Prerequisites

Before you begin the installation, please make sure your system meets the following minimum requirements:

- **Operating System:** Windows 10 or 11 (64-bit)
- **Processor:** Intel Core i5 or equivalent, or higher
- **Memory:** At least 8 GB RAM (16 GB recommended)
- **Disk Space:** Minimum 500 MB available

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2. Downloading BioVision

1. Open your web browser and visit the official download link:
   BioVision Google Drive Folder
2. Locate the latest BioVision installation file in the folder.
3. Click the file to begin downloading (step 1-3).
   Note: Some browsers may warn about large files or unfamiliar sources. Confirm to proceed (Download anyway).

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3. Extracting Installation Files

1. Once the download is complete, find the downloaded .zip file in your Downloads folder.
2. Right-click the .zip file and select **Extract All...**.
3. Choose your desired location for the extracted files and click **Extract** (step 4).

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4. Running the Installer

1. Open the folder containing the extracted files.
2. Double-click on **BioVision Software Setup.exe** to start the installation process (step 5).
3. When you run the **BioVision Software Setup.exe** file, you may have at least one of the following pop-up windows:

   *** User Account Control:** "Do you want to allow this app from an unknown publisher to make changes to your device". allow the installer to make changes to your device by clicking **Yes.**

*** Windows protected your PC:** "Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk." Click **More info** and then **Run anyway**.

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5. Installation Wizard

1. The BioVision Setup Wizard will guide you through the installation steps.
2. Review and accept to the license agreement, then click **Next** (step 6).
3. Select your preferred installation location or use the default path **(highly recommended – step 7).**
4. Optionally, choose to create a desktop shortcut (step 8).
5. Click **Install** to start copying files (step 9).

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6. Completing Setup

1. Wait for the progress bar to reach 100% (step 10).
2. Once installation is complete, ensure the **Launch BioVision** option is checked if you want to start the program right away.
3. Click **Finish** to exit the installer (step 11).

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7. Starting BioVision

1. On first launch, you'll be greeted with a welcome screen (step 12).
2. The program will initialize its modules and prepare the main interface (step 13).
3. Once loaded, you can begin using BioVision for your analyses (step 14).

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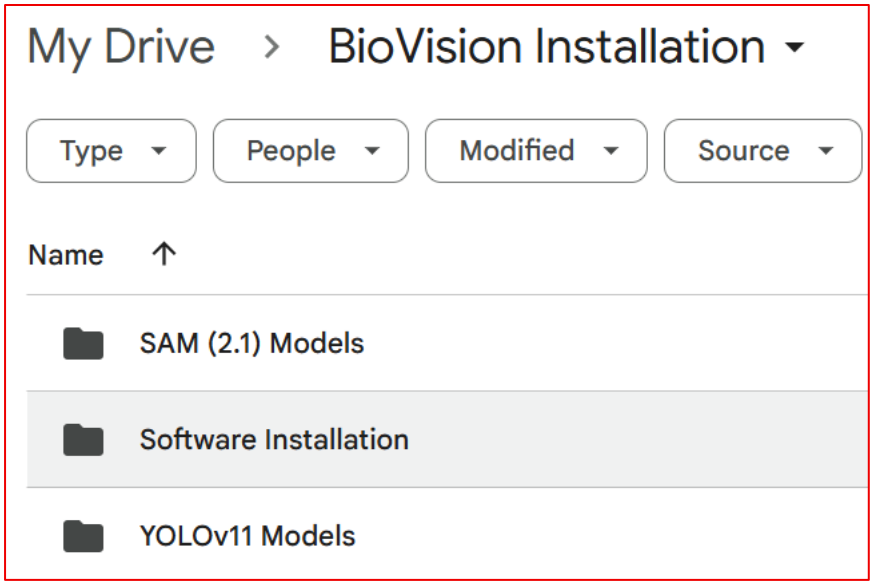
9. Support

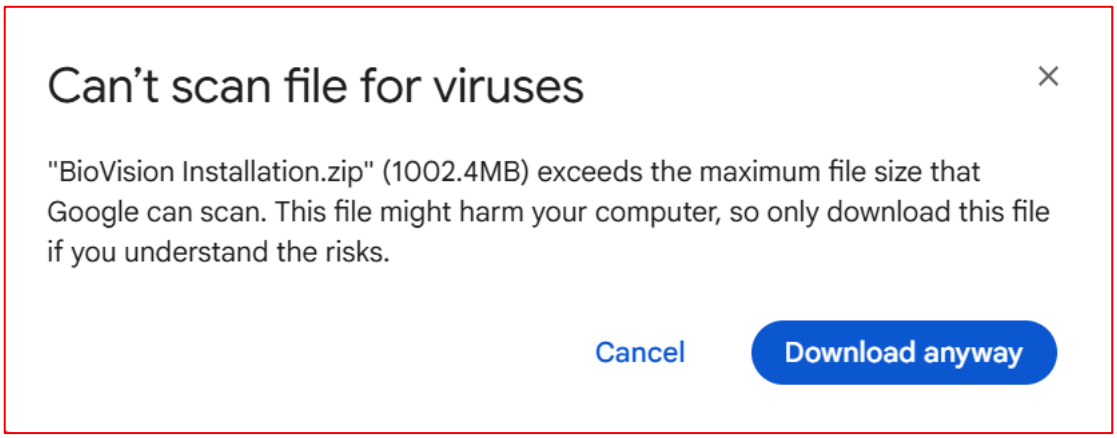
For installation help or technical support, please contact:
Email: inass.odeh@campus.technion.ac.il
Website: https://github.com/Anas-Odeh/BioVision

Step 1

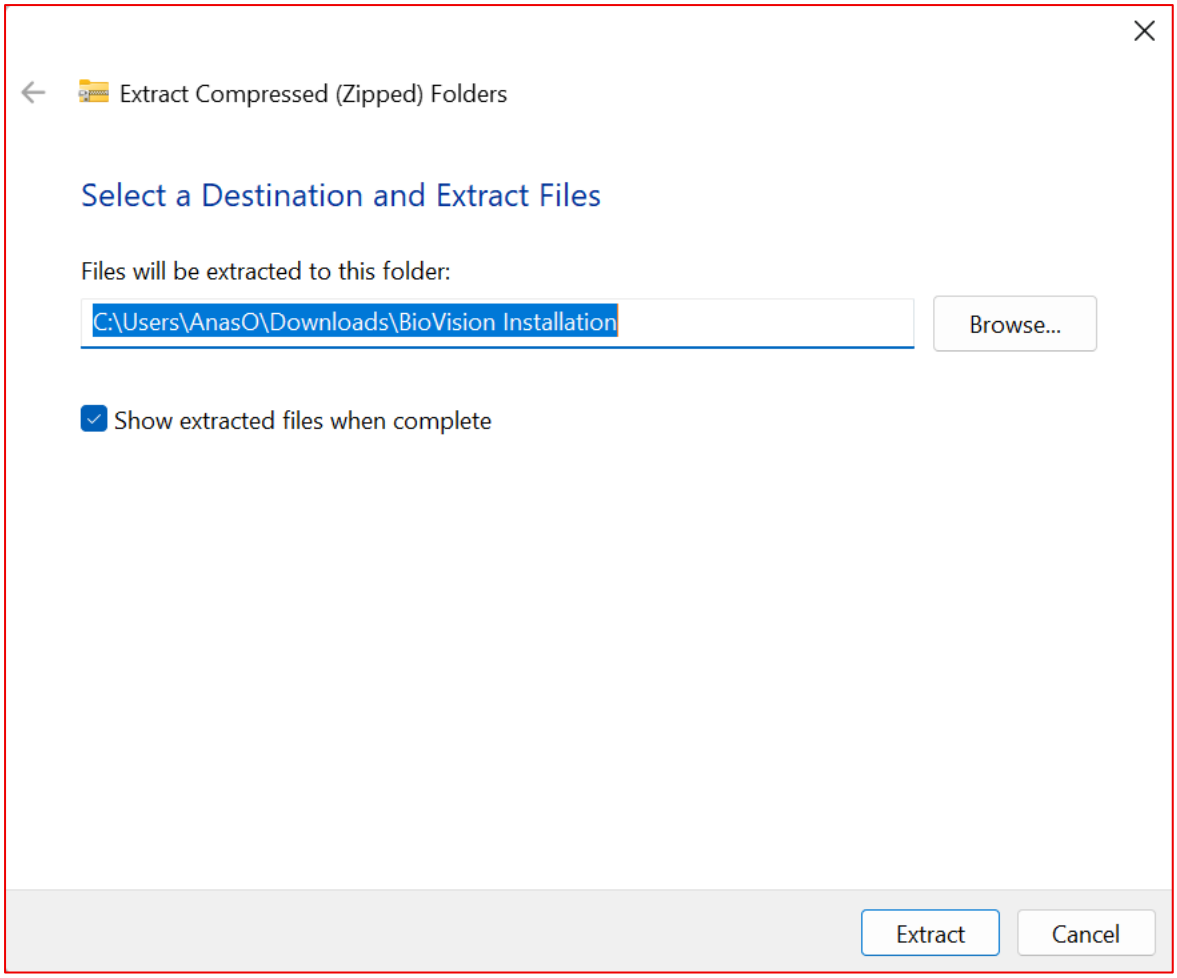


Step 2

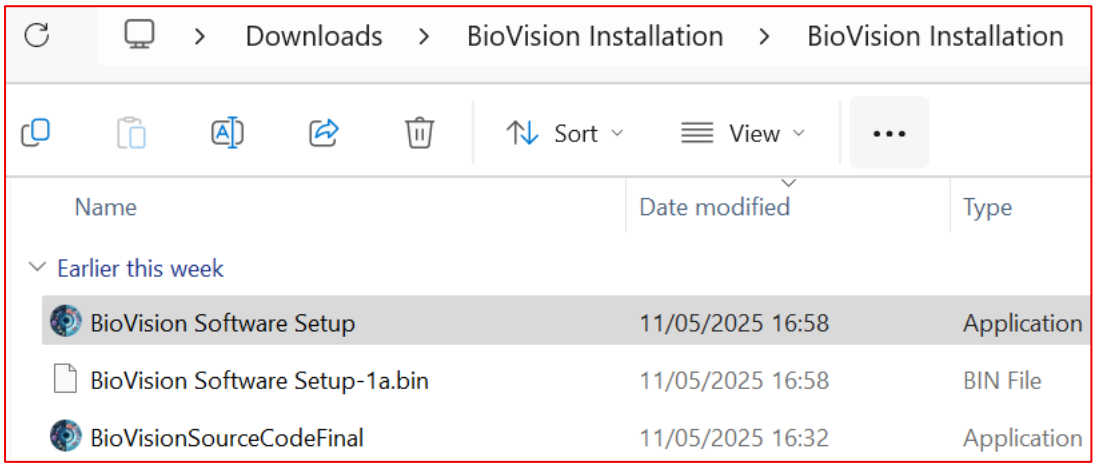
Step 3



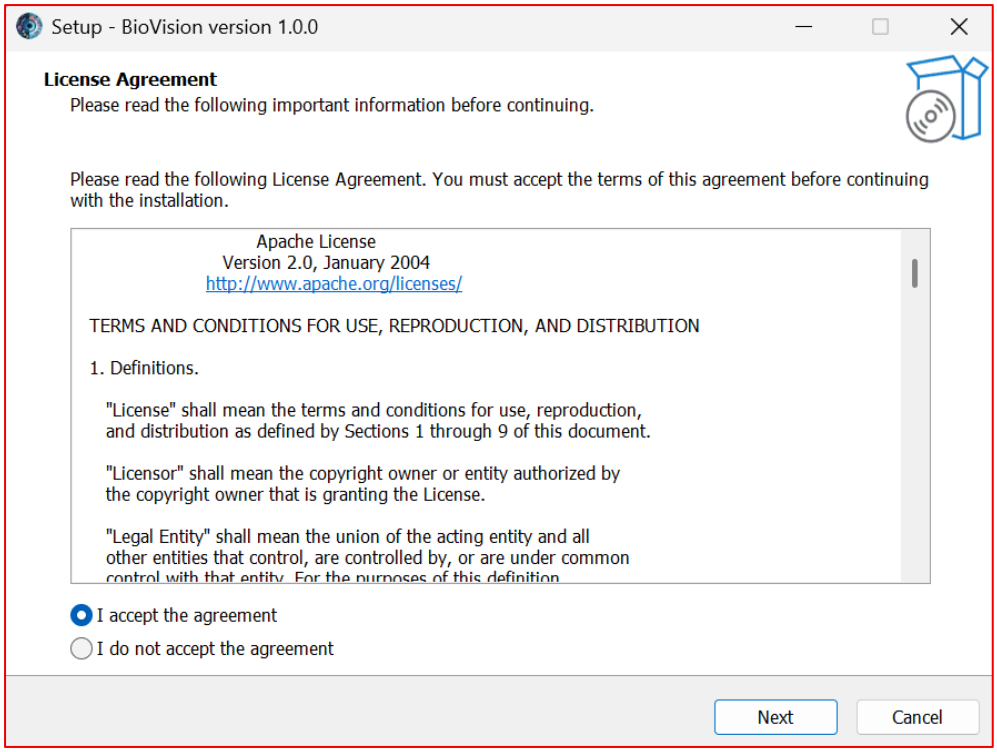
Step 4


Extract Compressed (Zipped) Folders
Select a Destination and Extract Files
Files will be extracted to this folder:
C:\Users\AnasO\Downloads\BioVision Installation
Browse...
Show extracted files when complete
Extract
Cancel

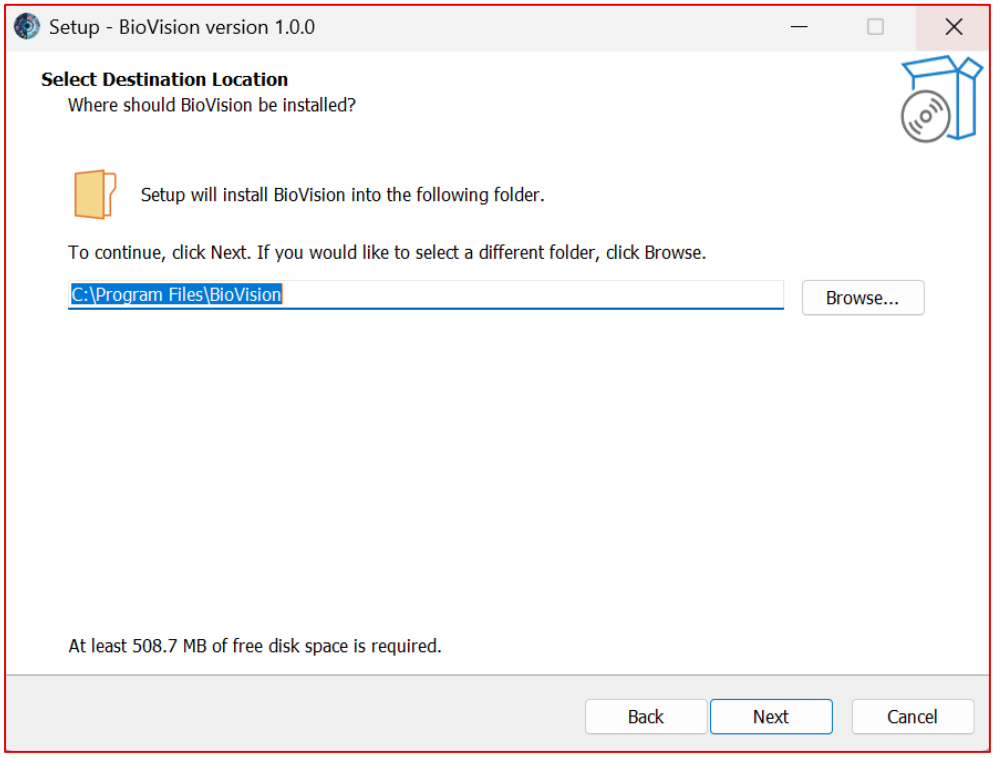
Step 5


Downloads
BioVision Installation
BioVision Installation
Sort
View
Name
Date modified
Type
Earlier this week
BioVision Software Setup
11/05/2025 16:58
Application
BioVision Software Setup-1a.bin
11/05/2025 16:58
BIN File
BioVisionSourceCodeFinal
11/05/2025 16:32
Application

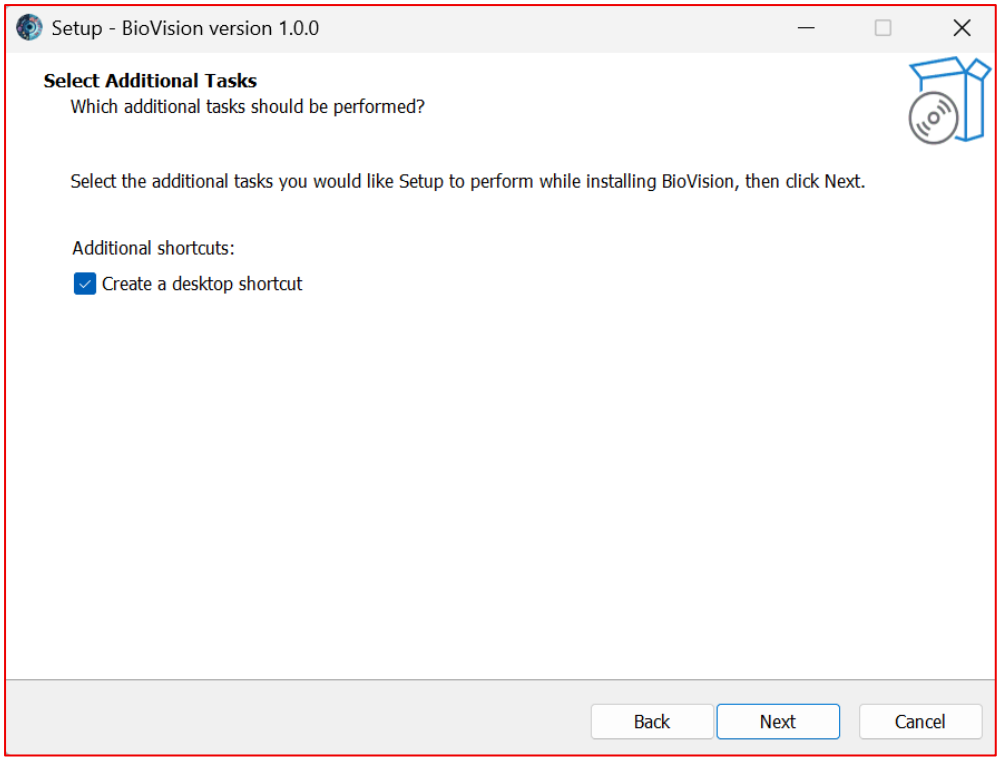
Step 6


Setup - BioVision version 1.0.0
License Agreement
Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common
I accept the agreement
I do not accept the agreement
Next
Cancel

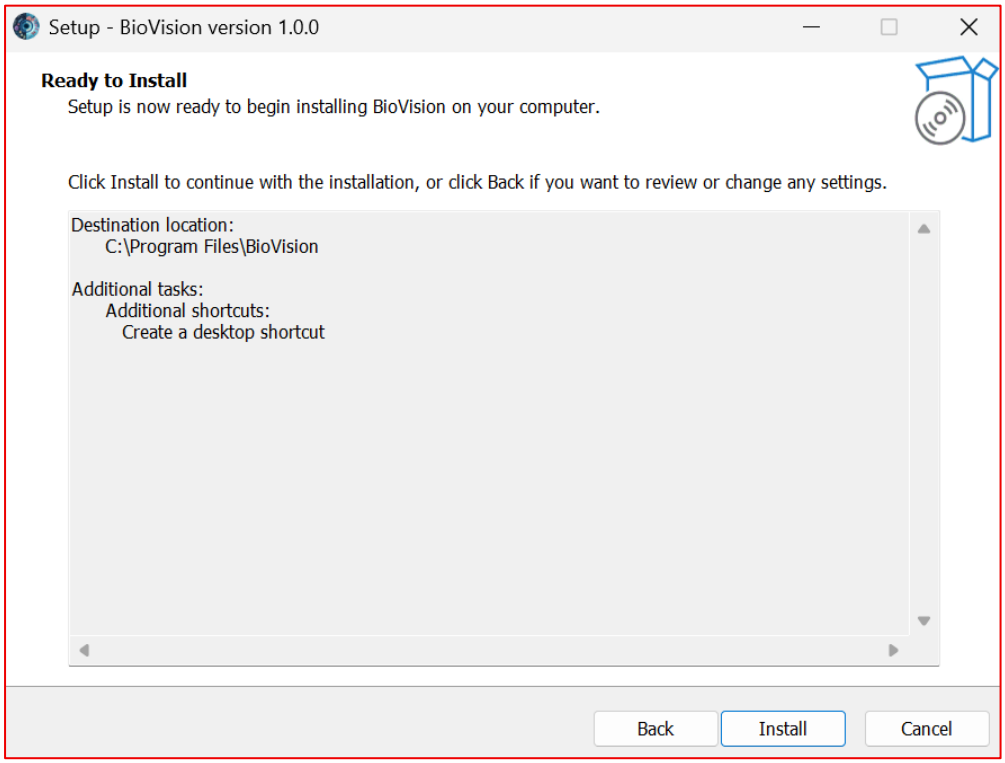
Step 7


Setup - BioVision version 1.0.0
Select Destination Location
Where should BioVision be installed?
Setup will install BioVision into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files\BioVision
Browse...
At least 508.7 MB of free disk space is required.
Back
Next
Cancel

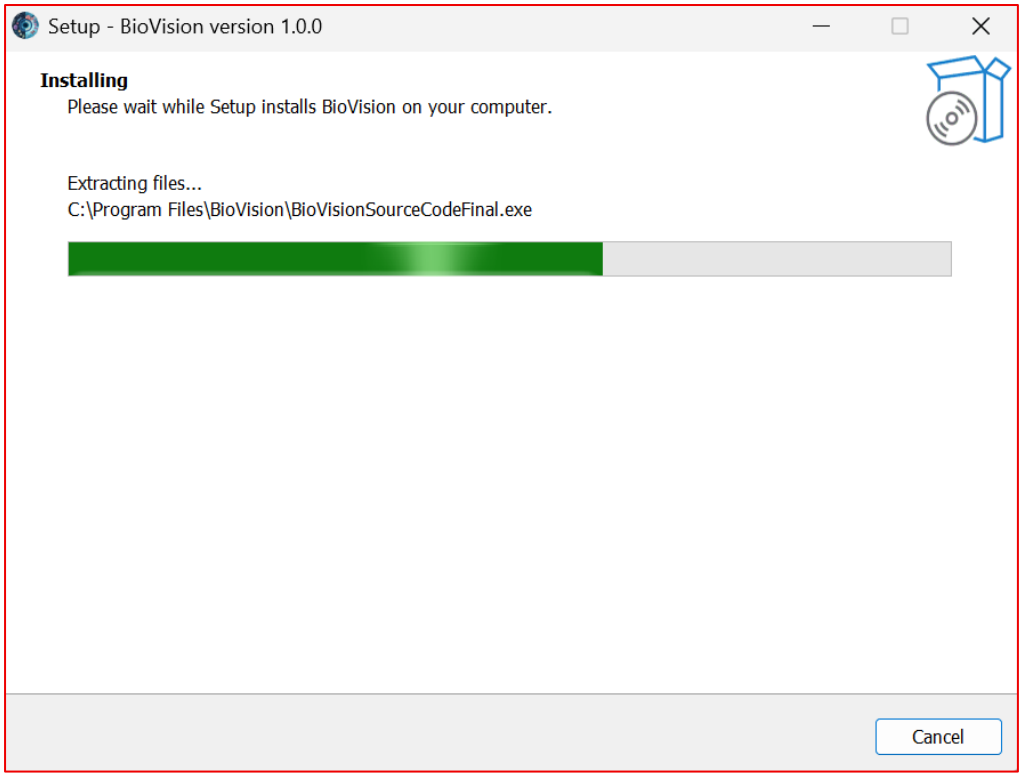
Step 8


Setup - BioVision version 1.0.0
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing BioVision, then click Next.
Additional shortcuts:
Create a desktop shortcut
Back
Next
Cancel

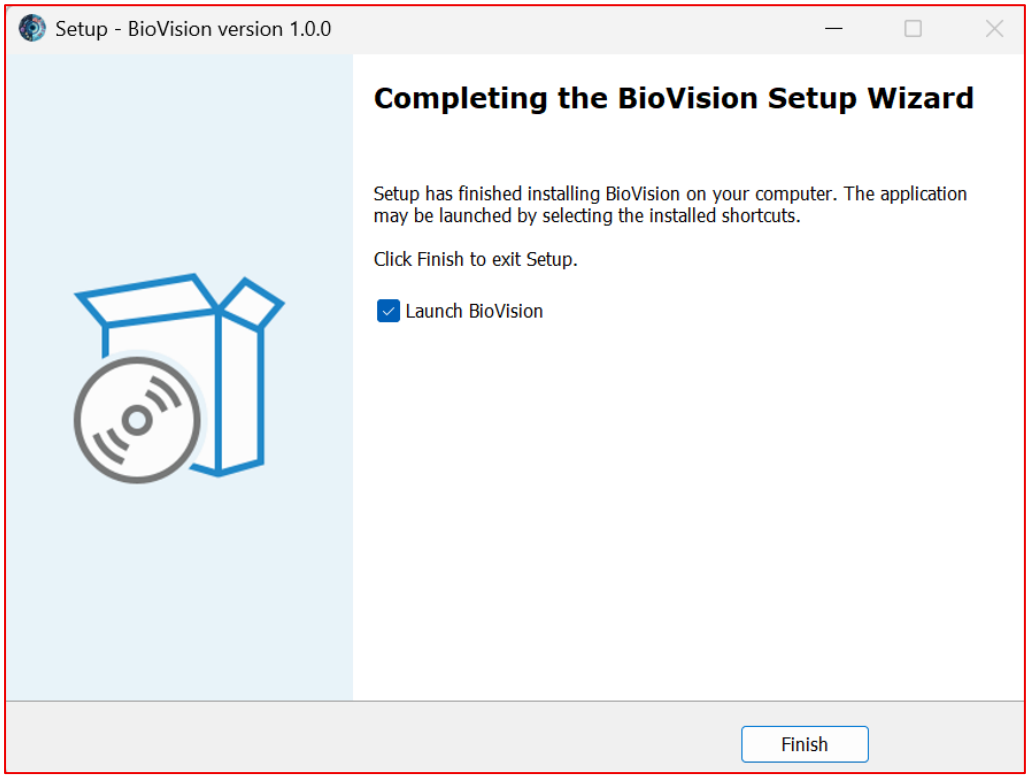
Step 9


Setup - BioVision version 1.0.0
Ready to Install
Setup is now ready to begin installing BioVision on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files\BioVision
Additional tasks:
Additional shortcuts:
Create a desktop shortcut
Back
Install
Cancel

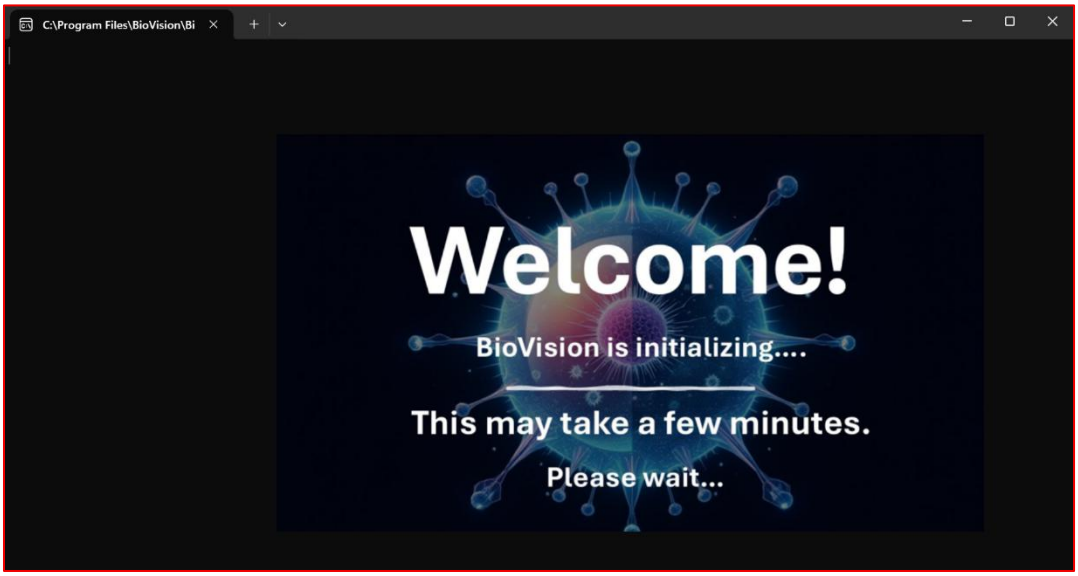
Step 10



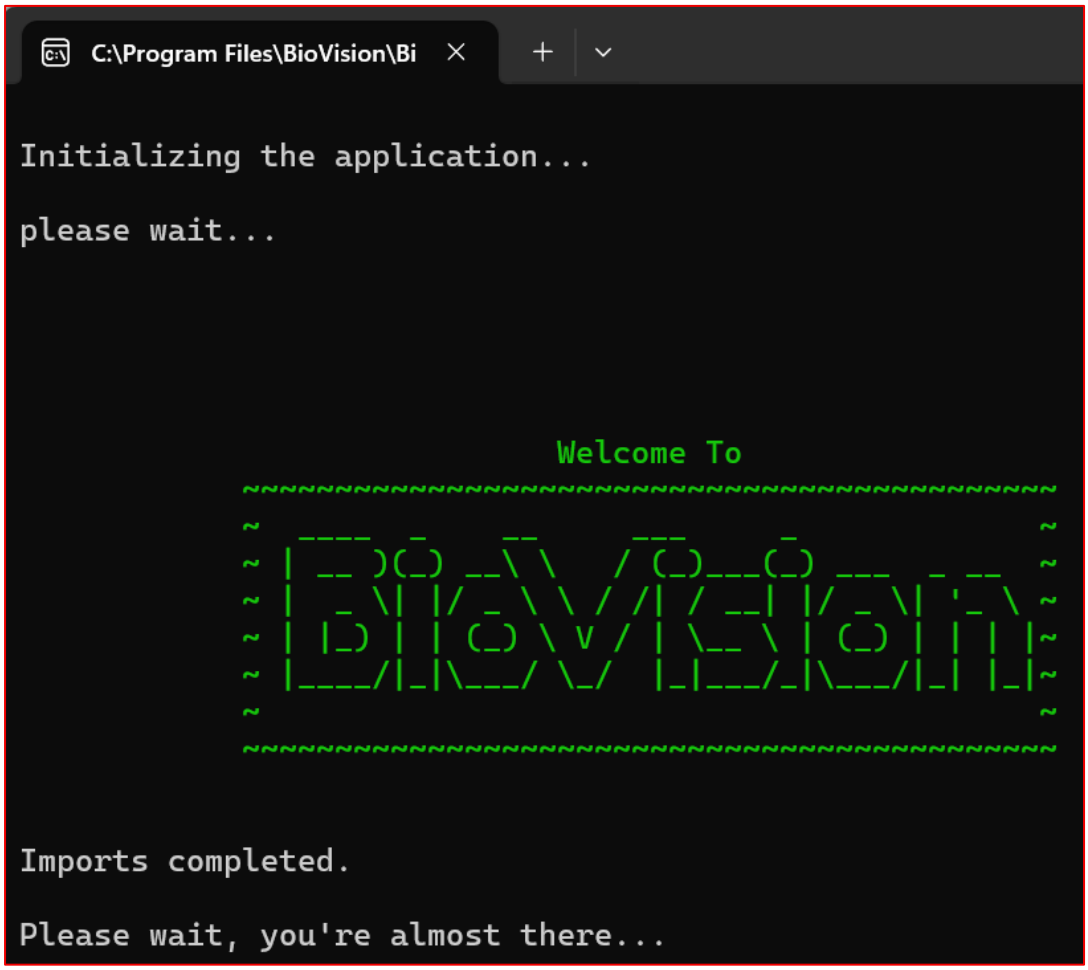
Step 11



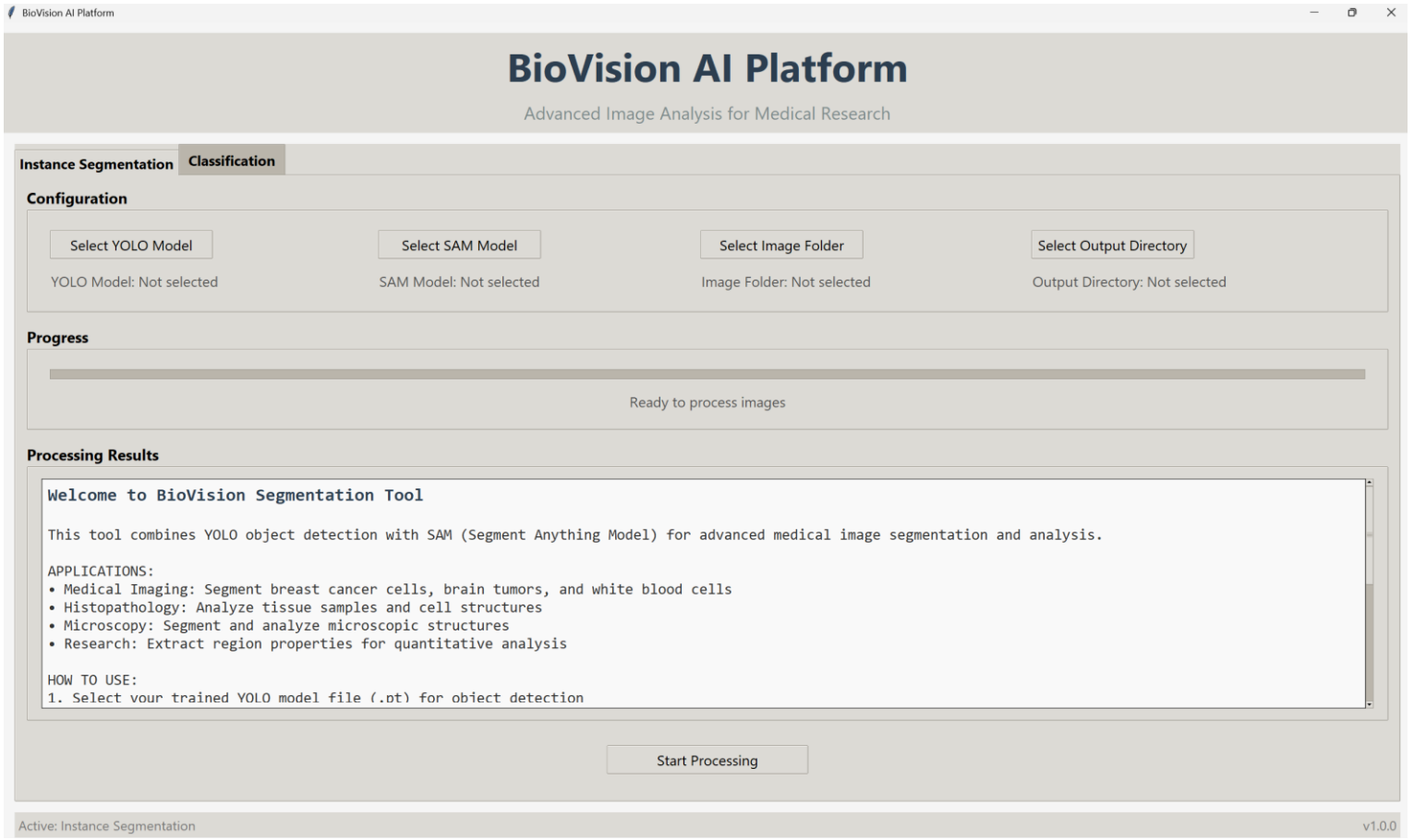
Step 12



Step 13



Step 14


BioVision AI Platform
BioVision AI Platform
Advanced Image Analysis for Medical Research
Instance Segmentation
Classification
Configuration
Select YOLO Model
YOLO Model: Not selected
Select SAM Model
SAM Model: Not selected
Select Image Folder
Image Folder: Not selected
Select Output Directory
Output Directory: Not selected
Progress
Ready to process images
Processing Results
Welcome to BioVision Segmentation Tool
This tool combines YOLO object detection with SAM (Segment Anything Model) for advanced medical image segmentation and analysis.
APPLICATIONS:
• Medical Imaging: Segment breast cancer cells, brain tumors, and white blood cells
• Histopathology: Analyze tissue samples and cell structures
• Microscopy: Segment and analyze microscopic structures
• Research: Extract region properties for quantitative analysis
HOW TO USE:
1. Select your trained YOLO model file (.pt) for object detection
Start Processing
Active: Instance Segmentation
v1.0.0