



Yearly Software Subscription Program

For academic and
governmental organizations

The Yearly Software Subscription Program from Thermo Fisher Scientific provides a centralized, user- and extension-based license management tool for Thermo Scientific™ Amira™ and Avizo™ Software. It gives users full and flexible access to both Amira and Avizo product families, ensuring that all groups and departments are covered with one single subscription, making it an ideal software licensing solution for academic and governmental organizations. The Yearly Subscription Program is designed to meet the evolving needs of your organization to budget, license, implement, and maintain your software investment.

Key benefits

Largest array of Amira-Avizo Software technology

The Yearly Software Subscription Program grants you access to the entire feature set of the Amira and Avizo product families, including our dedicated 2D and 3D software product ranges.

With all functionalities and extensions available, you no longer need to compromise on features because of budgetary constraints. One yearly subscription fee gives you access to the functionalities of all the platforms, including automatic upgrades and complimentary unlimited technical support.

Cost effective and easy to budget, with users in mind

The Yearly Subscription Program License provides significant cost savings when more than one license is needed. Not only does it lower software licensing costs, but it also helps reduce the costs of upgrading, maintaining, and managing software for multiple computers and users.

The number of concurrent users (Main User Licenses) you define is guaranteed, and you will be provided with a proportional number of concurrent extension licenses, giving each user access to the entire breadth of Amira and Avizo Software technologies. If you exceed this defined number of concurrent users, you can always upgrade to a higher tier of the program. Furthermore, there is a new option to purchase additional technology extensions separately without increasing the number of users.

Flexible, scalable, easy to deploy, and easy to maintain

Install Amira or Avizo Software on an unlimited number of computers. The yearly program allows you to centralize your licenses on a single license server. Computers across your campus network can easily connect and run Amira or Avizo Software, and their extensions, within the limits of your subscription. Plus, with a dashboard from **Flexera**, you can borrow licenses for offline use, define groups of users, and even allocate licenses to these specific groups or individual users.

Expandable, collaborative framework

Under the Yearly Software Subscription Program, you can expand and customize Amira and Avizo Software, whether using **Python** or even **C++** full modules. This flexible solution allows you to create new custom components, such as file readers and writers, computation modules, and even new visualization modules. The ready-to-use **Python** distribution from Thermo Fisher includes frequently used scientific packages from the **Python** ecosystem and will allow seamless creation of script objects using **Python** utilities.

Platform flexibility

Amira and Avizo Software are available for both **Windows** and **Linux**.

Qualifications and restrictions of the Yearly Software Subscription Program

The Yearly Software Subscription Program provides a cost-effective solution with tailored pricing for both academic and governmental organizations.

Qualifications

Governmental

Any research institutes, university-affiliated hospitals, observatories, national laboratories, and government-funded research institutions that qualify as public research governmental organizations. This includes public institutions such as research institutes in meteorology, nuclear and other energy, medicine, food and drug, as well as national labs, etc.

Academic

Any colleges and/or universities that issue undergraduate degrees in their ordinary practice. Note that governmentally contracted research organizations do not qualify for academic pricing, even if those organizations are administrated by a university and/or have students or faculty members who work in the organization.

Restrictions

- Licenses must be used on computers on a local area network (LAN) owned and operated by the organization.
- Products that take advantage of the governmental or academic pricing cannot be used in a commercial environment.
- Licensee shall appoint a coordinator ("License Coordinator") to oversee such organizations' compliance with the terms and conditions of the license.
- Licenses are not transferable to another governmental, academic, or commercial organization.
- Usage of the software should comply with the terms and conditions described in our EULA, which is available from our website (PDF).

Licensing

One license fits all your needs

Today, use Amira Software 3D Pro for a research project correlating different modalities. Tomorrow, teach a class with Avizo Software in the computer lab. Even ensure that a specific group has guaranteed access to Avizo 2D Software for a limited period of time. The subscription program allows all this and more without reallocating or purchasing new licenses.

Pack	Number of concurrent users	Number of concurrent extensions
4 users	4	4
7 users	7	7
15 users	15	15
30 users	30	30
Additional extension licenses		5

The Yearly Software Subscription Program is available for 4, 7, 15, or 30 concurrent main licenses. As your user base grows, simply upgrade your program, or if you only require additional technology, simply purchase additional extension licenses.

Licensing

All Thermo Scientific application software licenses are managed using the *FlexNet Activation System* from **Flexera**.

The Yearly Software Subscription License is delivered as a multi-user, floating (network accessed) license that must be installed and activated using the **FlexNet License Server**. Licenses must be on the same LAN.

Thermo Fisher Scientific provides a 12-month floating license for each subscription, effective from the date of delivery. Technical support and product upgrades are included in the annual subscription fee.

License fee and renewal

The Yearly Software Subscription Program pricing is valid for a period of one (1) year. Prices are based on the current price list and are subject to changes without prior notice. The floating licenses are also automatically renewed as long as the yearly license fee is renewed before the expiration date.

Software and technology

Packages / Extensions	Description
Amira Software	Amira Software offers 2D–5D visualization and analysis of biological data from computed tomography, microscopy, magnetic resonance (MRI), and many other imaging modalities. With incredible speed and flexibility, Amira Software enables advanced 3D imaging workflows for specialists in areas such as molecular and cellular biology, neuroscience, and bioengineering.
Avizo Software	Avizo Software enables 2D–5D visualization and analysis of material structures and properties with data from computed tomography, microscopy, MRI, and many other imaging modalities. The incredible speed and flexibility of Avizo Software enable advanced 3D imaging workflows in a wide range of materials science fields and for a variety of materials (i.e., metals and alloys, ceramics, composites and polymers, semiconductors, and more).
Advance image processing (turn your Amira-Avizo Software into Amira-Avizo Software 3D Pro)	<p>The Amira and Avizo Software 3D Pro packages provide a large variety of advanced image processing and quantification tools that enable you to perform image enhancement operations, create simplified and automated segmentation workflows, and perform extensive measurements and quantification.</p> <p>The advanced image processing package also contains the XPand extension, which allows you to create custom components for Amira and Avizo Software such as file readers and writers, computation modules, and even new visualization modules using C++.</p> <p>It is also capable of generating analyzed datasets, which can be freely distributed to anyone thanks to the ToGo Viewer.</p>
Cell biology package	The cell biology package adds support for additional life science file formats. You can conveniently load 3D or 4D+ data from over 140 file formats (powered by Bio-Formats in cooperation with Glencoe Software).
Large multi-channel and time-series extension	The Xplore5D extension for Amira Software allows you to easily visualize, correlate, and process large multi-channel and time-series data in one environment. The extension offers you easy data conversion and compression with immediate visual feedback, allowing you to quickly interact with and communicate on large 3D–4D+ data. Build meaningful answers to complex research questions across structural and cellular biology, tissue imaging, neuroscience, preclinical imaging, and bioengineering.
Neuro-imaging extension	<p>The XNeuro extension for Amira Software offers specialized modules for the analysis of images obtained from CT or MRI.</p> <p>For example, diffusion-weighted MRI (DWI) is used to image the rate of water diffusion in tissues such as the brain or muscle. This extension allows you to compute apparent diffusion coefficient (ADC), fractional anisotropy (FA), and directionally encoded color (DEC) maps. Supported by several modules, diffusion tensor imaging (DTI) localizes and visualizes fiber tracts in human and primate brains.</p>
Advanced fiber analysis extension	The XFiber extension provides specific support for analyzing fibers, filaments, tunnels, and other networks or tree-like structures. This extension provides automatic, semi-automatic, and interactive tools to assist segmentation and analysis.
Advanced meshing extension	The XWind extension is dedicated to advanced post-processing of simulation data, including flow, thermal, and stress data. This extension brings an extensive array of advanced visualization and analysis tools, helping you answer questions in CFD and multi-physics, mechanical and thermal engineering, manufacturing simulation, microstructural prediction, as well as nonlinear structure and geotechnical engineering.
Pore network modeling extension	The XPoreNetworkModeling extension is used to conduct pore network modeling simulations of multiphase transport in porous materials. It includes modules for generating various common network topologies, pore and throat geometry models, pore-scale physics models, and fluid property estimations. The extension also contains a large set of algorithms for running various simulations such as drainage curves, gas diffusion, permeability, and more.

Software and technology (continued)

Digital simulation extension	The XLabSuite extension is used for the simulation of material physical properties, providing absolute permeability, electrical resistivity/formation factor, thermal conductivity, and molecular diffusivity.
Digital volume correlation extension	The digital volume correlation extension (XDVC) exploits the natural texture of materials and allows contactless, bulk strain measurement in experimental mechanics, materials science, and biomechanics. The extension allows you to compute 3D full-field displacement and strain maps from volume images acquired during the deformation of an object. The data can be visualized and analyzed to quantify deformation-induced microstructural changes such as strain transfer in multiphase materials, pore growth/coalescence related to fracture, and crack opening displacement (COD).
Amira-Avizo 2D Software (Analyzer)	Amira-Avizo 2D Software (Analyzer) provides advanced capabilities for feature classification and statistics extraction on 2D images in an easy-to-learn environment. It allows scientists, researchers, and engineers to build and run image analysis “recipes” that combine deep learning models, pre-built workflows, and powerful image processing tools..
Labeler for Amira-Avizo 2D Software	The labeler for Amira-Avizo 2D Software is an interactive visual segmentation tool that lets you “paint” a series of representative images and label the features of interest in each of them.
Trainer for Amira-Avizo 2D Software	The trainer then allows you to build a deep learning model from the labeled images as “ground truth” using universal Keras/TensorFlow technology.

 Learn more at thermofisher.com/amira-avizo

Amira Software packages

● Standard ○ Optional

Packages / Extensions	3D	3D pro	3D Cell Biology	3D EM systems	Subscription program
Data import, visualization, segmentation, analysis, animation (basic feature set)	●	●	●	●	●
Advanced segmentation, quantification, EM Toolbox, ToGo Publisher (extended feature set)	○	●	●	●	●
Extended image file format support (XBioFormats extension)	○	○	●	●	●
FIBStack Wizard, EMWorkflows, Thermo EM Readers, EM Toolbox, Cylinder and Trace Correlation Lines (EM-specific feature set)				●	
Visualization, processing, and animation of large multi-channel and time-series data (Xplore5D extension)	○	○	●	○	●
Fibers, filament, and tubule segmentation and analysis (XFiber extension)	○	○	●	○	●
Advanced meshing and export to solvers (XWind extension)	○	○	○	○	●
Pore network characterization and modeling (XPNM extension)		○	○	○	●
Digital volume correlation for material deformation measurements (XDVC extension)	○	○	○	○	●
Localization and visualization of fiber tracts using diffusion tensor imaging (XNeuro extension)	○	○	○	○	●

 Learn more at thermofisher.com/amira

Avizo Software packages

● Standard ○ Optional

Packages / Extensions	3D	3D pro	3D Industrial Inspection	3D EM systems	Subscription program
Data import, visualization, segmentation, analysis, animation (basic feature set)	●	●	●	●	●
Advanced segmentation, quantification, EM Toolbox, ToGo Publisher (extended feature set)	○	●	●	●	●
Metrology, reporting, CAD readers (inspection feature set)			●		
FIBStack Wizard, EMWorkflows, Thermo EM Readers, EM Toolbox, Cylinder and Trace Correlation Lines (EM-specific feature set)				●	
Fiber segmentation and anlysis	○	○	○	○	●
Pore network characterization and modeling (XPNM extension)		○	○	○	●
Advanced meshing and export to solvers (XWind extension)	○	○	○	○	●
Material property simulation		○	○	○	●
Digital volume correlation for material deformation measurements (XDVC extension)	○	○	○	○	●
Localization and visualization of large multi-channel and time-series data (Xplore5D extension)	○	○	○	○	●
Advanced Materials Research for Core Imaging Facilities (XFiber, XWind, XLab , XDVC and XPNM extensions)		○	○	○	
X3D Auto Reconstruction (accurate reconstruct in three dimensions any PXL FIB-SEM acquisitions for SEMI manufacturing control process environment)		○	○	○	

 Learn more at thermofisher.com/avizo