

# ProHawk Vision Suite for Milestone Quick Start Guide



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## 1 Introduction

The ProHawk® Vision Suite for Milestone Quick Start Guide provides an overview for the ProHawk Vision Suite for Milestone on how setup and configure the applications. We have tried to make this overview clear, easy to understand, and informative. We value the relationship that we have with our users and believe this guide will be valuable in expediting the setup of the ProHawk Vision XProtect Application and ProHawk Vision Milestone XProtect Smart Client Plugin.

The ProHawk XProtect Application is a Milestone Media Viewer application designed to directly integrate with the ProHawk Vision image enhancement API. The ProHawk Milestone XProtect Smart Client Plugin is designed to directly integrate with Milestone XProtect Smart Client.

This is the v3.1 release of the ProHawk Vision Suite for Milestone. Basic functions have been implemented in the applications.

## 2 System Requirements

Following are the systems requirements for the ProHawk Vision Suite for Milestone to operate properly:

- 64-bit Multicore CPU
- 8GB RAM (16GB or more recommended)
- MS-Windows 7 or MS-Windows 10
- NVIDIA Quadro, Tesla, GRID or GeForce products with Kepler, Maxwell and Pascal generation GPUs

The ProHawk Vision Suite for Milestone includes and requires the following external libraries:

- Microsoft Visual C++ 2015-2019 Redistributable (x64) runtime
- Microsoft .NET Framework 4.8 Redistributable
- NVIDIA CUDA Toolkit v10.1
- OpenCV library

The ProHawk Vision Suite for Milestone supports 64-bit x64 architectures. The ProHawk Vision Suite for Milestone does not support 32-bit x86 architectures.

## 3 Installer

First, open the installer with the file ProHawk Vision Suite for Milestone Setup.exe.

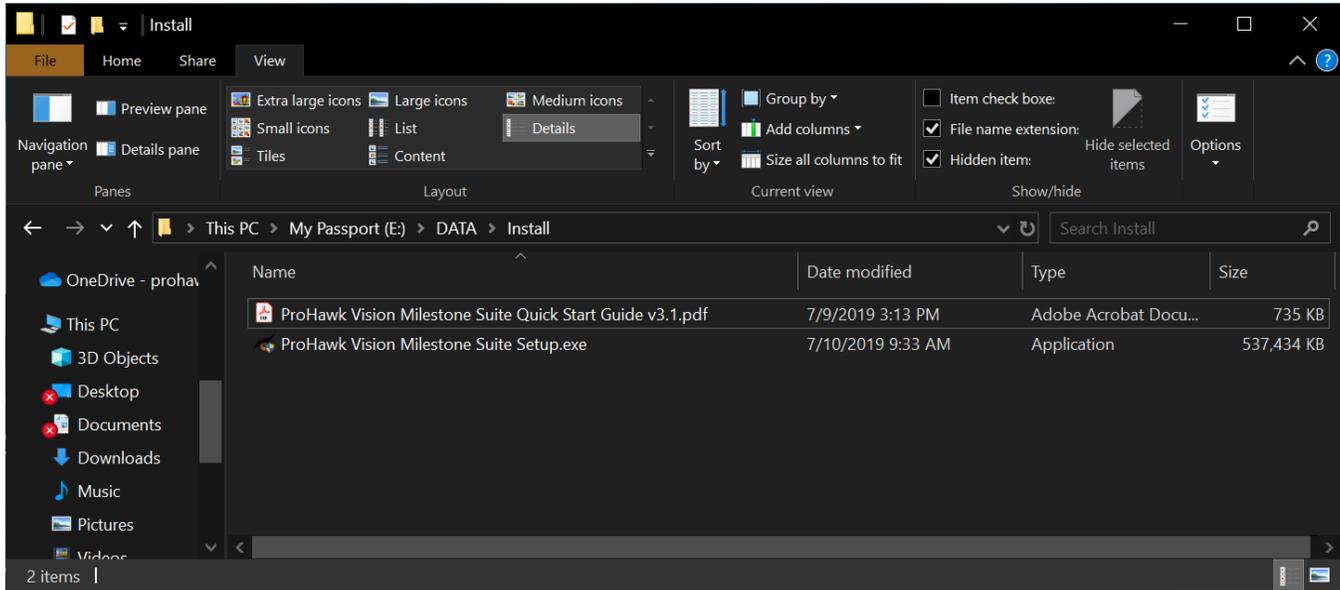


Figure 1

Once opened the Installation Wizard will begin to guide you through the installation process.

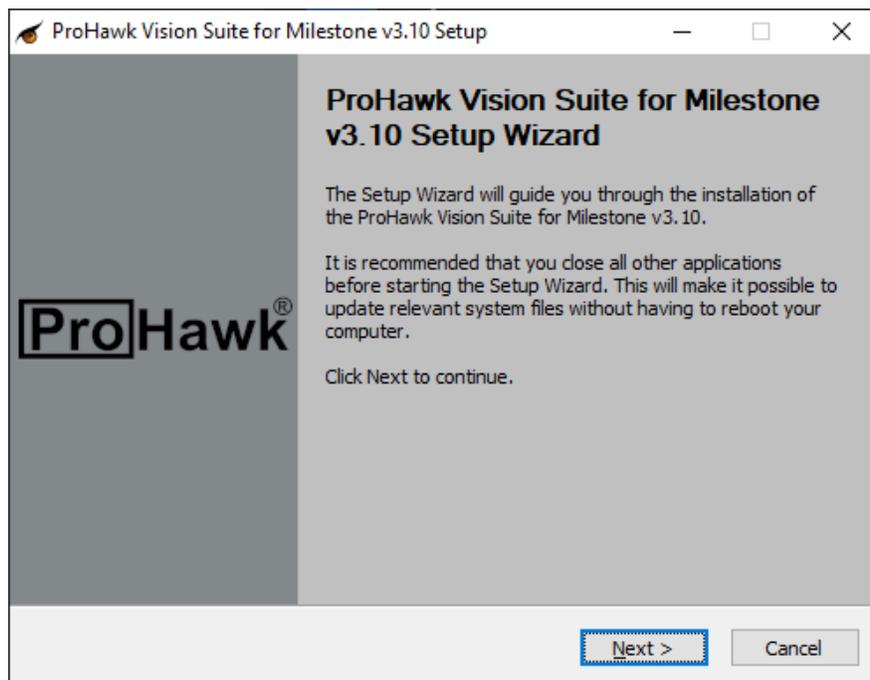


Figure 2

After clicking the next button at the bottom of the dialog the license agreement will appear.

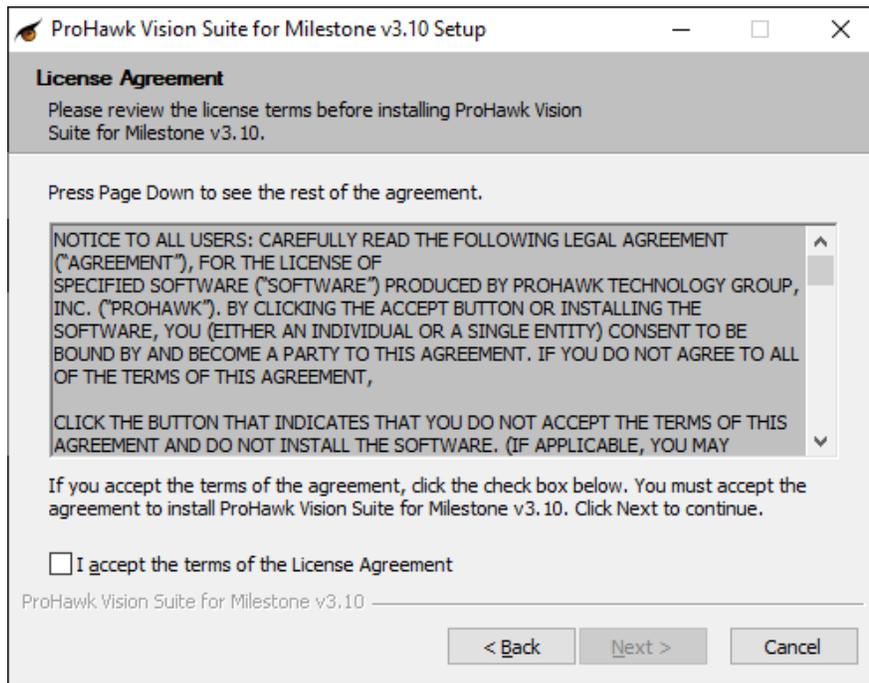


Figure 3

The license agreement must be accepted to continue with the installation and clicking the Next button.

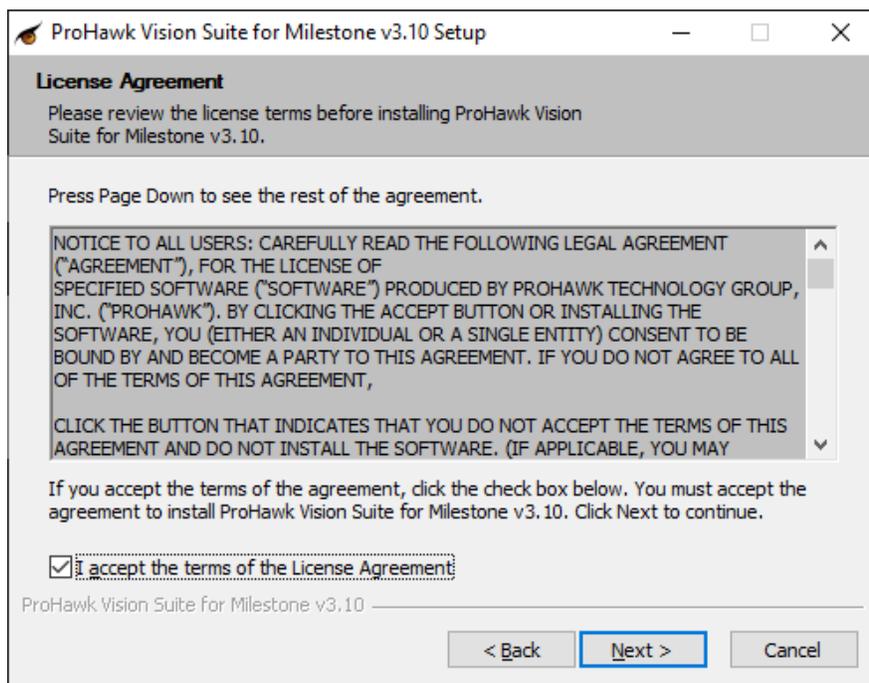


Figure 4

The component selection dialog allows you to select components and click on the Next button.

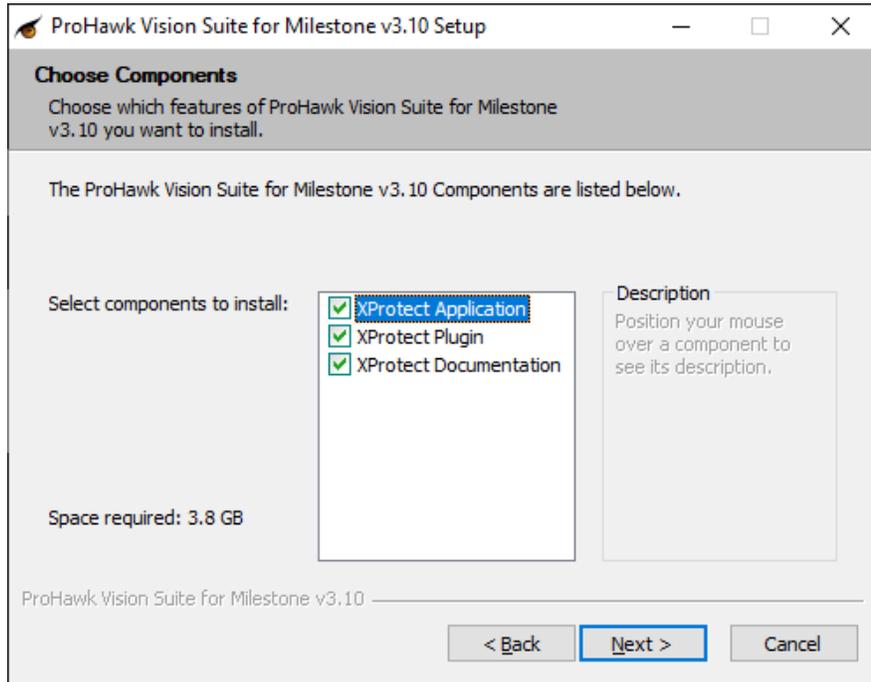


Figure 5

The next screen will ask you to select a location to install the software, click Next to continue.

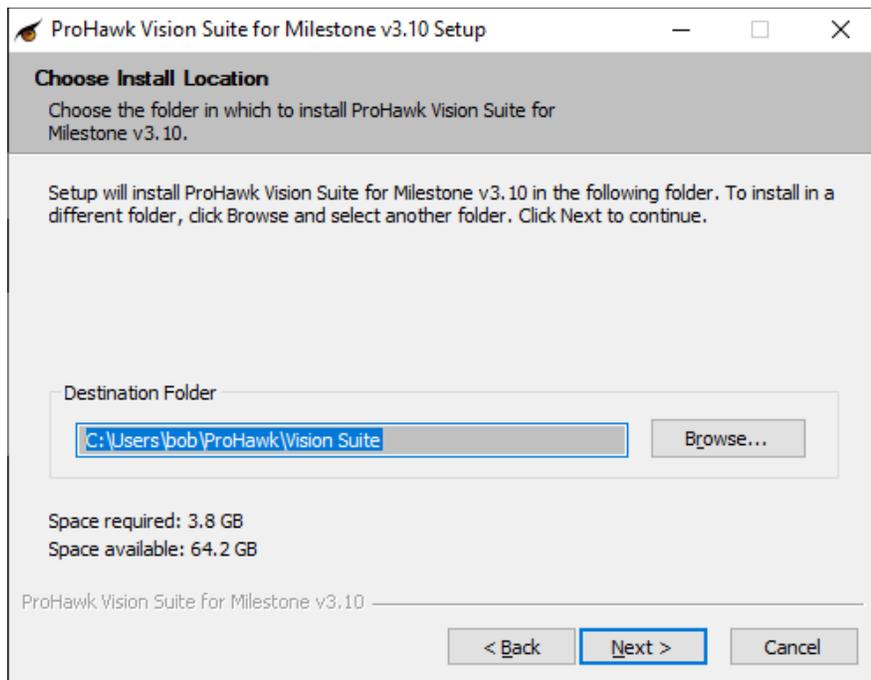


Figure 6

If the ProHawk Vision Milestone Plug-in is selected, the system will ask you to select a location to install the application. Select a destination then click Next to continue.

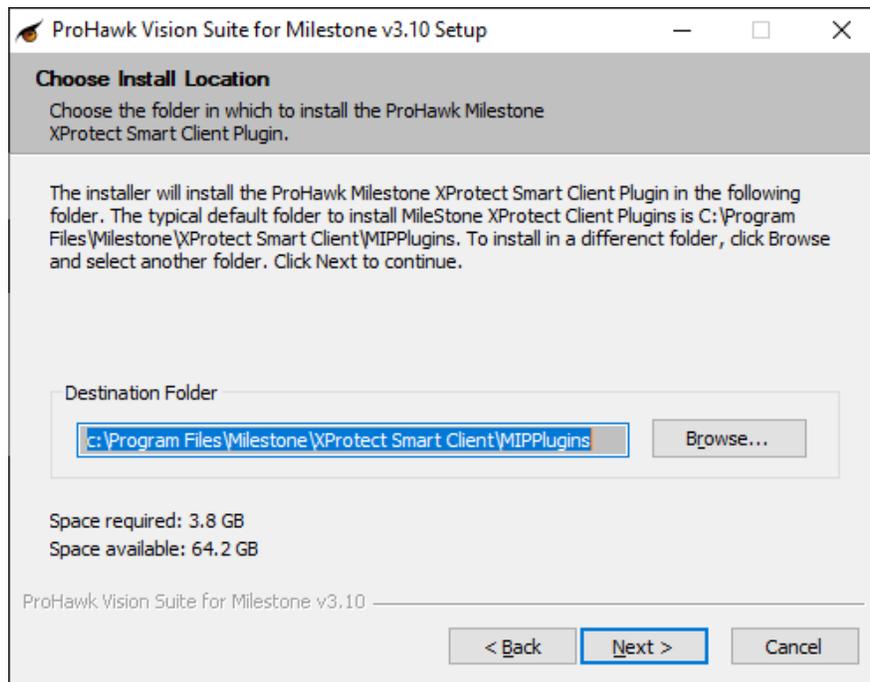


Figure 7

Before installation begins the installer will ask you to select a start menu folder. Choose the destination then click Next to begin the installation.

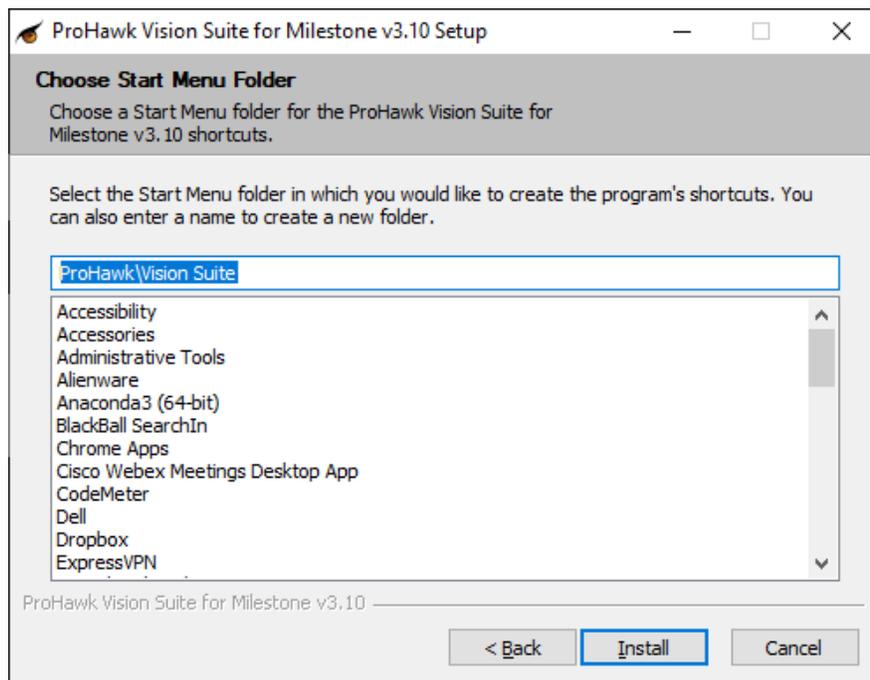


Figure 8

The Installer will display a progress window of the installation taking place.

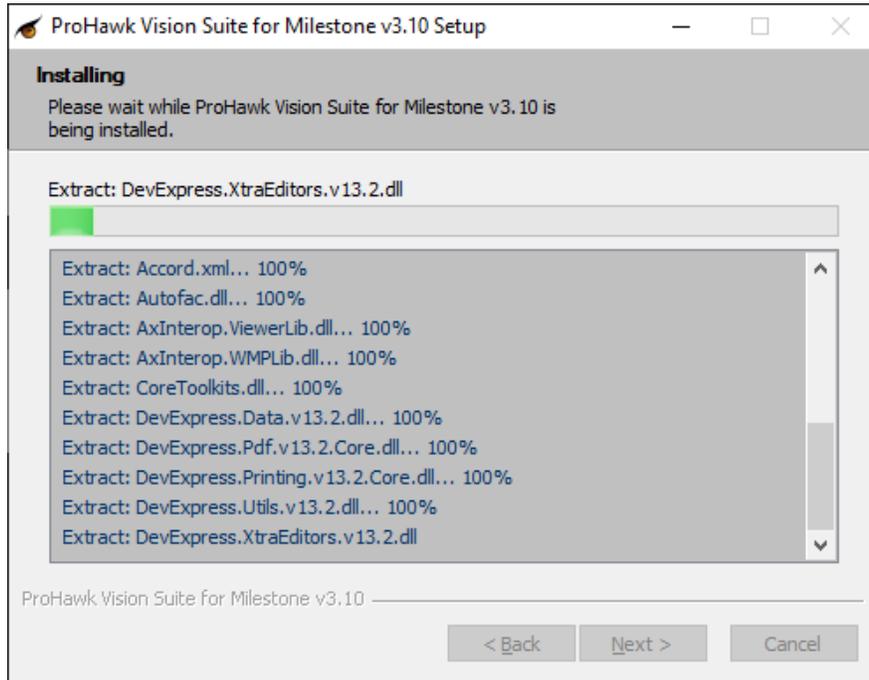


Figure 9

If the ProHawk Vision Suite for Milestone XProtect Application and Plugin were selected as components to install, during installation a command window will appear that activates the Microsoft Media Player controls that these components utilize.

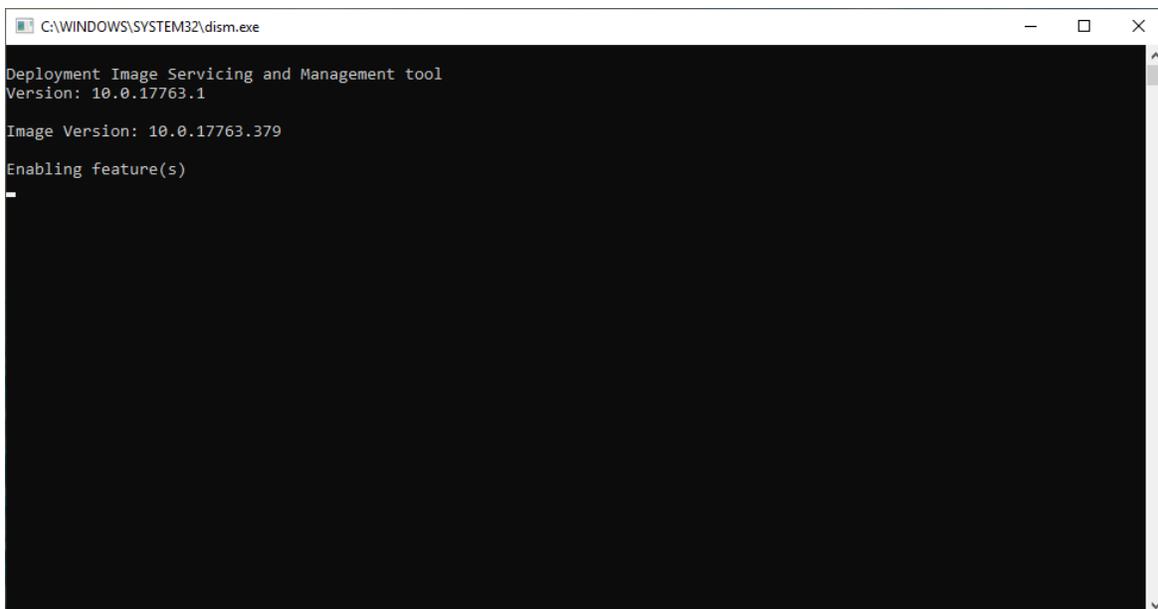


Figure 10

The installer progress windows will then continue with the installation.

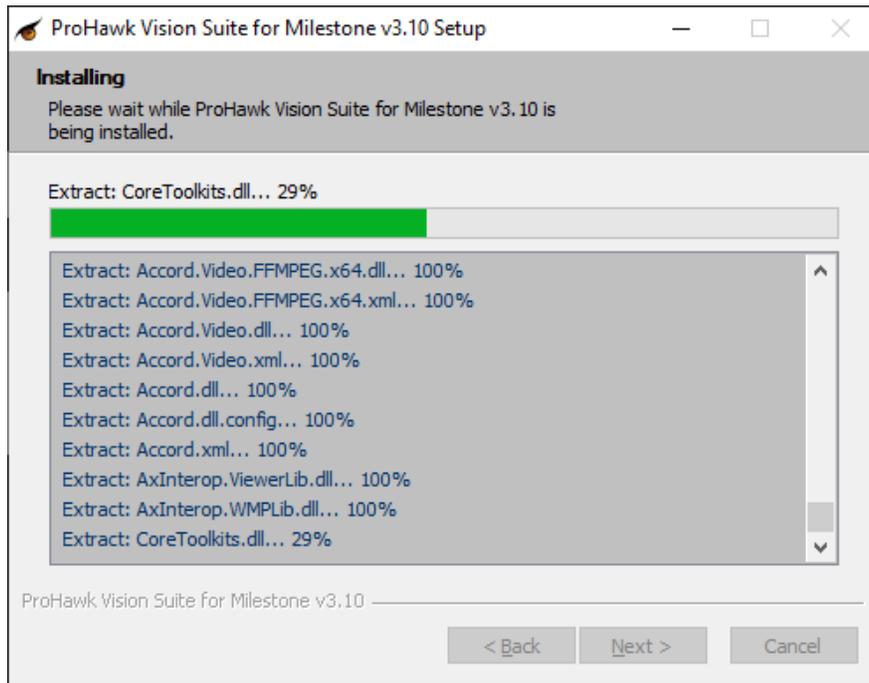


Figure 11

The next step is to download and install the NVIDIA CUDA Toolkit v10.1. The NVIDIA CUDA Toolkit v10.1 is required to support the ProHawk Vision Suite. Click Next to continue. The ProHawk Vision Suite installer automatically downloads the Toolkit from NVIDIA's website.

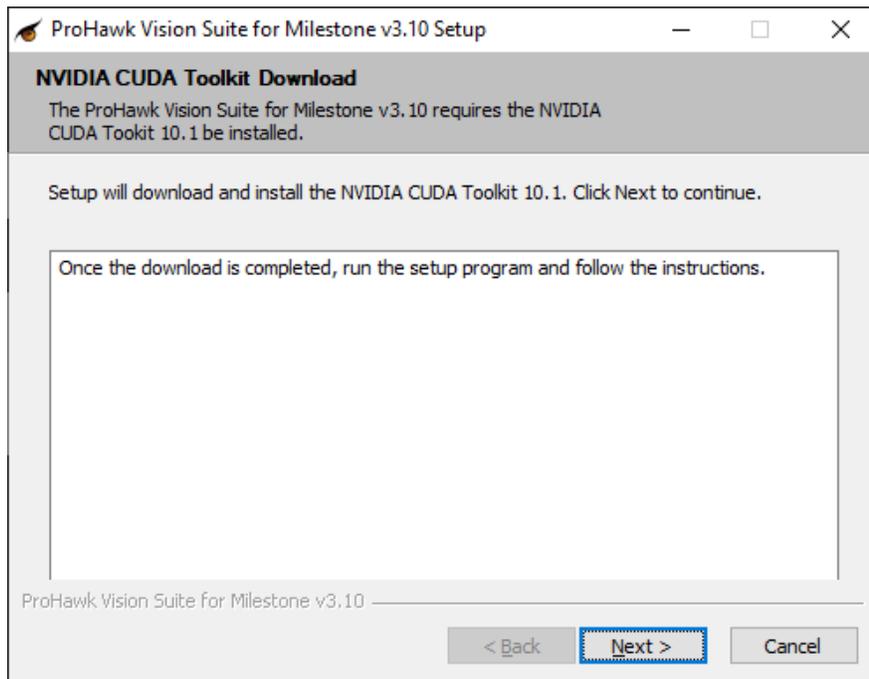


Figure 12

Once the download has completed you will be able to click on the Run button, as can be seen to the right in Figure 18. This will launch the NVIDIA CUDA Toolkit 10.1 installer. Follow the on-screen prompts for the NVIDIA CUDA Toolkit installation.

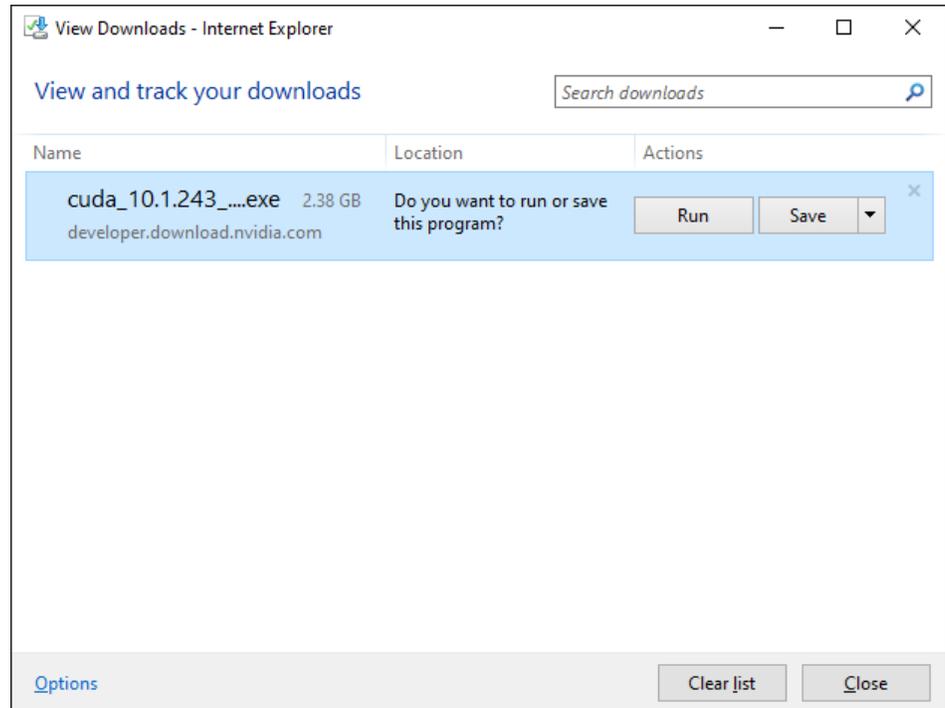


Figure 13

During the installation, you may be prompted to accept the license terms and conditions for Microsoft Visual C++ 2015-2019 Redistributable (x64) when it is not already installed. This is a necessary component of the system.

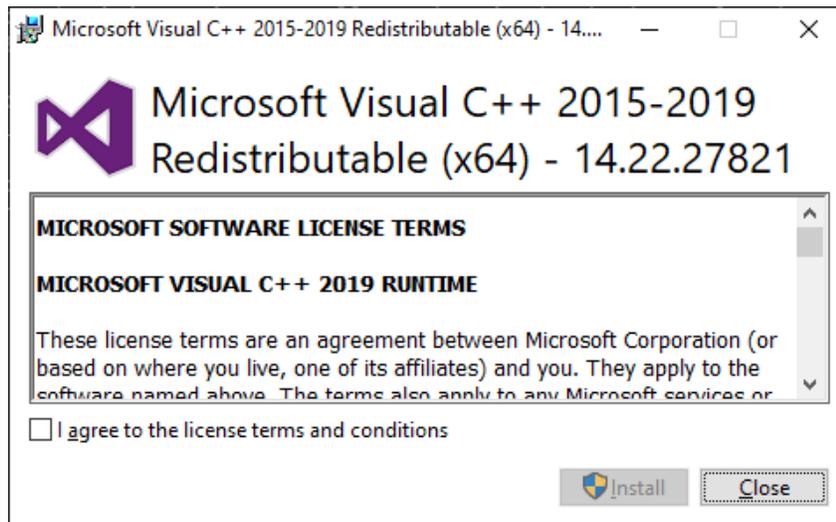


Figure 14

Click on the I agree to the license terms and conditions checkbox, you will then be able to click on the Install button to install the Microsoft Visual C++ 2015-2019 Redistributable (x64) package.

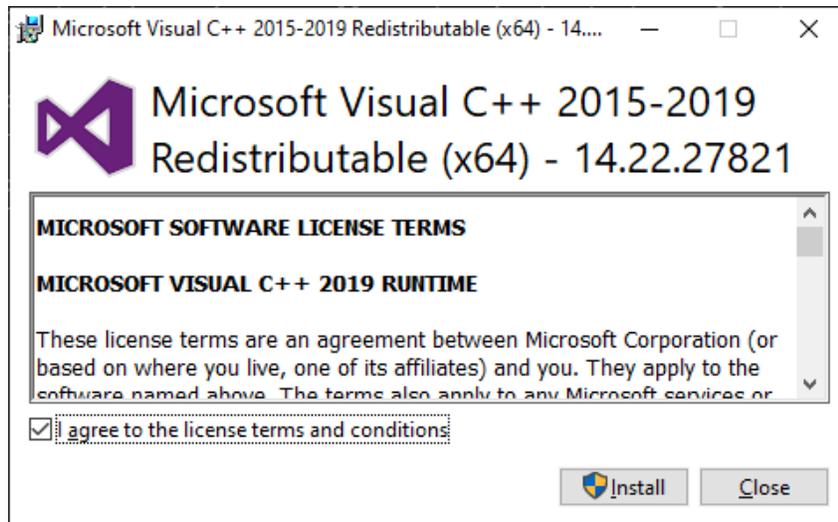


Figure 15

Once the installation of the Microsoft Visual C++ 2015-2019 Redistributable (x64) package is completed, you will see the following message, click close, and manually restart after installation is completed.

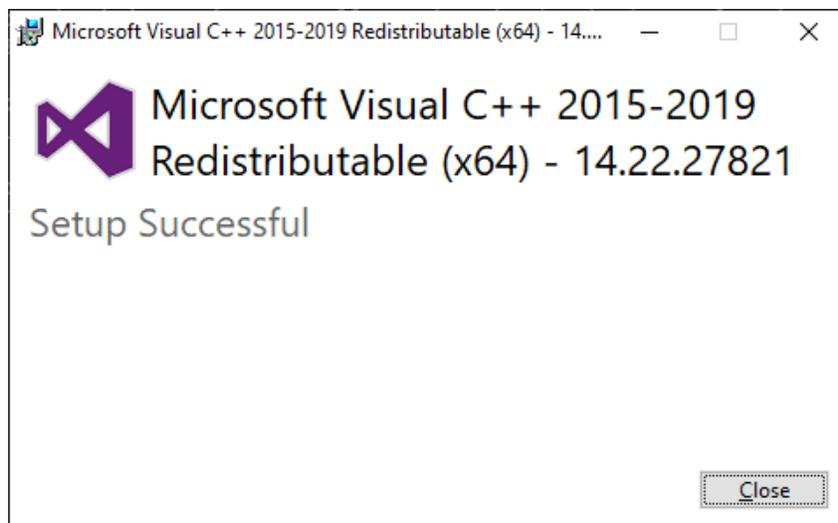


Figure 16

Once the installation is complete and you have reached the final dialog the product will now be installed. The Display Release Notes checkbox will open the release notes in Notepad to display the contents. Click on the Finish button to complete the installation process and begin using ProHawk Vision Suite for Milestone to enhance and clarify your Milestone XProtect video.

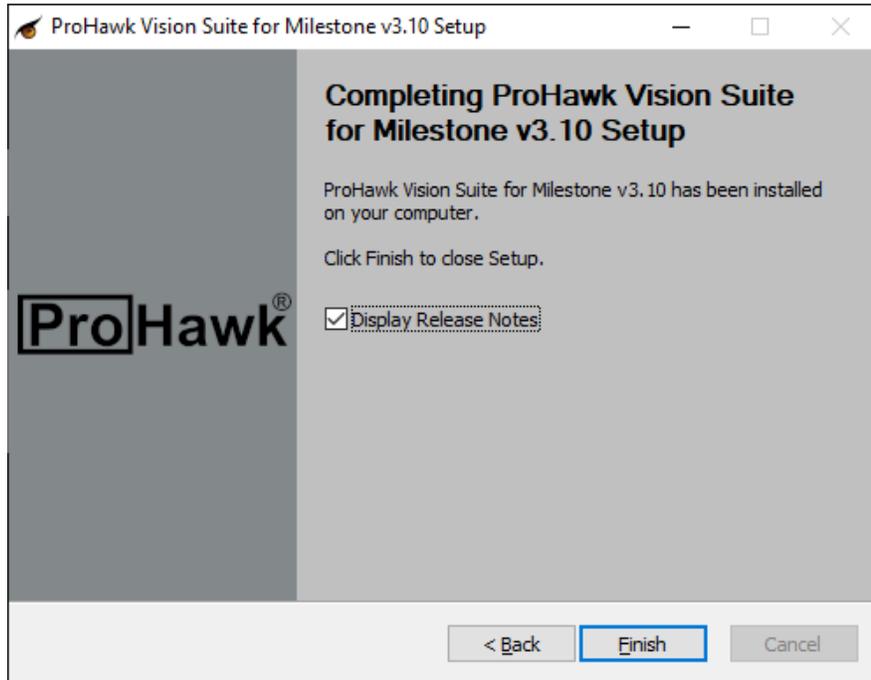


Figure 17

There will be several directories created after extracting the ProHawk Vision Suite for Milestone installation. Follow are the folders and their descriptions:

Folder	Description
docs	Documentation files: ProHawk Vision Suite for Milestone Quick Start Guide.pdf & ProHawk Vision Suite for Milestone Users Guide.pdf.
runtime	Runtime files (*.exe) required to run PTGDE.dll & c_redist.x64.lib.
xprotect	A xprotect folder containing the ProHawk Vision Milestone XProtect Application and associated files and folders to run.