ProHawk Vision Suite for Milestone Quick Start Guide

Pro Hawk

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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 with 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.





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

✓ ProHawk Vision Suite for Milestone v3.10 Setup — □	×
License Agreement Please review the license terms before installing ProHawk Vision Suite for Milestone v3.10.	
Press Page Down to see the rest of the agreement.	
NOTICE TO ALL USERS: CAREFULLY READ THE FOLLOWING LEGAL AGREEMENT ("AGREEMENT"), FOR THE LICENSE OF	^
SPECIFIED SOFTWARE ("SOFTWARE") PRODUCED BY PROHAWK TECHNOLOGY GROUP, INC. ("PROHAWK"). BY CLICKING THE ACCEPT BUTTON OR INSTALLING THE SOFTWARE, YOU (EITHER AN INDIVIDUAL OR A SINGLE ENTITY) CONSENT TO BE BOUND BY AND BECOME A PARTY TO THIS AGREEMENT. IF YOU DO NOT AGREE TO ALL OF THE TERMS OF THIS AGREEMENT,	
CLICK THE BUTTON THAT INDICATES THAT YOU DO NOT ACCEPT THE TERMS OF THIS AGREEMENT AND DO NOT INSTALL THE SOFTWARE. (IF APPLICABLE, YOU MAY	¥
If you accept the terms of the agreement, click the check box below. You must accept the agreement to install ProHawk Vision Suite for Milestone v3.10. Click Next to continue.	
I accept the terms of the License Agreement	
ProHawk Vision Suite for Milestone v3,10	
< <u>B</u> ack <u>N</u> ext > Cance	el

Figure 3

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

✓ ProHawk Vision Suite for Milestone v3.10 Setup —	×
License Agreement	
Please review the license terms before installing ProHawk Vision Suite for Milestone v3.10.	
Press Page Down to see the rest of the agreement.	
NOTICE TO ALL USERS: CAREFULLY READ THE FOLLOWING LEGAL AGREEMENT	^
SPECIFIED SOFTWARE ("SOFTWARE") PRODUCED BY PROHAWK TECHNOLOGY GROUP,	
INC. ("PROHAWK"), BY CLICKING THE ACCEPT BUTTON OR INSTALLING THE SOFTWARE, YOU (EITHER AN INDIVIDUAL OR A SINGLE ENTITY) CONSENT TO BE	
BOUND BY AND BECOME A PARTY TO THIS AGREEMENT. IF YOU DO NOT AGREE TO ALL	
AGREEMENT AND DO NOT INSTALL THE SOFTWARE. (IF APPLICABLE, YOU MAY	¥
If you accept the terms of the agreement, click the check box below. You must accept th agreement to install ProHawk Vision Suite for Milestone v3.10. Click Next to continue.	2
☑ I accept the terms of the License Agreement	
ProHawk Vision Suite for Milestone v3.10	
< <u>B</u> ack <u>N</u> ext > Can	cel



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

✓ ProHawk Vision Suite for Mil	estone v3.10 Setup	_		\times
Choose Components Choose which features of ProHa v3.10 you want to install.	awk Vision Suite for Milestone			
The ProHawk Vision Suite for Mil	estone v3. 10 Components are lis	ted below.		
Select components to install:	 ✓ XProtect Application ✓ XProtect Plugin ✓ XProtect Documentation 	Description Position you over a comp see its desc	r mouse ionent to ription,	
Space required: 3.8 GB				
ProHawk Vision Suite for Milestone	v3,10 < <u>B</u> ack	<u>N</u> ext >	Cano	el

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.

✓ ProHawk Vision Suite for Milestone v3.10 Setup	—		\times
Choose Install Location Choose the folder in which to install the ProHawk Milestone XProtect Smart Client Plugin.			
The installer will install the ProHawk Milestone XProtect Smart Client Plu folder. The typical default folder to install MileStone XProtect Client Plu Files\Milestone\XProtect Smart Client\MIPPlugins. To install in a differen and select another folder. Click Next to continue.	gin in the f gins is C: \ ct folder,	following Program click Brow:	se
Destination Folder	Brow	se	
Space required: 3.8 GB Space available: 64.2 GB			
ProHawk Vision Suite for Milestone v3,10	t >	Cance	2

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.

ProHawk Vision Suite for Milestone v3.10 Setup	_		×
Choose Start Menu Folder			
Choose a Start Menu folder for the ProHawk Vision Suite for Milestone v3.10 shortcuts.			
Select the Start Menu folder in which you would like to create the can also enter a name to create a new folder.	e program's s	shortcuts.	You
ProHawkWision Suite Accessibility			•
Accessories			
Administrative Loois Alienware			
Anaconda3 (64-bit)			
BlackBall SearchIn Chrome Apps			
Cisco Webex Meetings Desktop App			
CodeMeter			
Dropbox			
ExpressVPN			×
roHawk Vision Suite for Milestone v3.10			
< <u>B</u> ack	Install	C	ancel



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

✓ ProHawk Vision Suite for Milestone v3.10 Setup	_		\times
Installing Please wait while ProHawk Vision Suite for Milestone v3. 10 is being installed.			
Extract: DevExpress.XtraEditors.v13.2.dll			
Extract: Accord.xml 100% Extract: Autofac.dll 100% Extract: AxInterop.ViewerLib.dll 100% Extract: AxInterop.WMPLib.dll 100% Extract: CoreToolkits.dll 100% Extract: DevExpress.Data.v13.2.dll 100% Extract: DevExpress.Pdf.v13.2.Core.dll 100% Extract: DevExpress.Printing.v13.2.Core.dll 100% Extract: DevExpress.Utils.v13.2.dll 100% Extract: DevExpress.VtraEditors.v13.2.dll			~
ProHawk Vision Suite for Milestone v3.10	lext >	Can	cel



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

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The installer progress windows will then continue with the installation.

✓ ProHawk Vision Suite for Milestone v3.10 Setup	—		\times
Installing Please wait while ProHawk Vision Suite for Milestone v3. 10 is being installed.			
Extract: CoreToolkits.dll 29%			
Extract: Accord.Video.FFMPEG.x64.dll 100% Extract: Accord.Video.FFMPEG.x64.xml 100% Extract: Accord.Video.dll 100% Extract: Accord.Video.xml 100% Extract: Accord.dll 100% Extract: Accord.dll.config 100% Extract: Accord.dll.config 100% Extract: Accord.xml 100% Extract: Accord.xml 100% Extract: AxInterop.ViewerLib.dll 100% Extract: AxInterop.WMPLib.dll 100% Extract: CoreToolkits.dll 29% ProHawk Vision Suite for Milestone v3.10	:>	Can	◆ ▼

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.

✓ ProHawk Vision Suite for Milestone v3.10 Setup	×
NVIDIA CUDA Toolkit Download The ProHawk Vision Suite for Milestone v3.10 requires the NVIDIA CUDA Tookit 10.1 be installed.	
Setup will download and install the NVIDIA CUDA Toolkit 10.1. Click Next to continue.	
Once the download is completed, run the setup program and follow the instructions	
ProHawk Vision Suite for Milestone v3.10	Cancel

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 onscreen prompts for the NVIDIA CUDA Toolkit installation.

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s	View and track your downloads		Search d	ownloads			Q
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-							
t							
	<u>O</u> ptions			Clear <u>l</u> i	st	<u>C</u> lose	:

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.





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

