IMAGESTATION INSTALLATION GUIDE

16.5

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Contents

Overview of ImageStation Installation

Welcome to the ImageStation 2018 release of the photogrammetry applications!   If you have previously installed any earlier versions of the photogrammetry applications, you must remove them before installing ImageStation 2018.   Also do not mix earlier versions of GeoMedia or IMAGINE with ImageStation 2018. You must remove these and update them prior to installing ImageStation 2018.When you are finished, delete "*C:\Program Files (x86)\Common Files\ZI Imaging*", "*C:\Program Files (x86)\Common Files\Intergraph,*" "*C:\Program Files\Common Files\Intergraph*" folders, reboot the system, then install the new 2018 products. **Do not mix** earlier versions of ImageStation applications with the 2018 version.

ImageStation 2018 requires an updated license if upgrading from an earlier version.

Due to size limitations, the Video Drivers and ORIMA installers are not included in the Master Setup on the ImageStation product DVD. Both can be obtained by downloading the ImageStation ZIP file from the Hexagon Geospatial Download site. The Video Drivers are also available from NVIDIA's Support web site.

ImageStation applications are not localized. To use them the system Region setting must be set to English.   If the Region setting is not set to English, errors may occur when performing certain operations.   If ImageStation Automatic Triangulation is installed, and the Z/IJobService is set to use a specific user's login, then the Region setting must be set to English for that user as well.

All applications were tested on Windows 7(x64) and Windows 10(x64) systems. Refer to the *Certified Graphics Configurations* (on page 8) section for more details.

The ImageStation applications are **NOT** certified on Windows XP(x32), Windows XP(x64), Windows 7(x32), Windows 8.1(x32), Windows 8.1(x64) or Windows 10(x32).

ImageStation OrthoPro, ImageStation PixelQue, ImageStation Stereo for GeoMedia, and ImageStation DTM for GeoMedia have been tested with GeoMedia Essentials, GeoMedia Advantage, and GeoMedia Professional Version **2018**. These applications WILL NOT run on previous versions of GeoMedia. ISSG requires GeoMedia Advantage or GeoMedia Professional for full feature collection capabilities. Running with GeoMedia Essentials provides ImageStation Stereo Viewer (ISSV) capability only.

All MicroStation-based photogrammetry applications require MicroStation 8i, builds 08.11.09.714 through 08.11.09.829 are supported.   MicroStation J, XM, and V8 are no longer supported.

Running MicroStation on Windows 10 requires 08.11.09.357 or higher. Bentley Systems recommends NOT using any MicroStation version higher than 08.11.09.829 as a standalone application, i.e. without GeoPak or InRoads. See the **Starting ISSD with InRoads** section of the ISSD Help for information about configuring ISSD with InRoads. Running with GeoPak is currently not supported.

ImageStation eTraining Links

Would you prefer to watch a video? Many of our workflows are showcased in short, to-the-point eTraining modules on the *Hexagon Geospatial Community http://community.hexagongeospatial.com*. We add new videos regularly, so check back often.

Visit our Community and check out the *videos http://community.hexagongeospatial.com/t5/ImageStation/tkb-p/eTImageStation* for ImageStation.

Also on our Community, check out our *Licensing videos http://community.hexagongeospatial.com/t5/Licensing/ct-p/KS_Licensing*.

Raw videos not yet converted to eTraining modules are on the *eTraining Incubator https://www.youtube.com/playlist?list=PL3cpeZTQSqXeBFvr1nD8Z4tSCH13lADiw*.

Certified Graphics Configurations

The following graphics card configurations were certified with ImageStation 2018 on Windows 7 (x64) and Windows 10 (x64).

Graphics Board	NVIDIA 3D Active 1 display (stereo)	NVIDIA 3D Active 2 displays (stereo/mono)	NVIDIA 3D Active 2 displays (stereo/stereo)	Windows 7 Driver	Windows 10 Driver
Quadro GP100[5]	Yes	Yes	Yes[1]	390.77[3]	390.77
Quadro P6000[5]	Yes	Yes	Yes[1]	390.77[3]	390.77
Quadro P5000[5]	Yes	Yes	Yes[1]	390.77[3]	390.77
Quadro P4000	Yes[1]	Yes[1]	Yes[2]	390.77[3]	390.77
Quadro P2000	Yes[1]	Yes[1]	Yes[2]	390.77[3]	390.77
Quadro M6000	Yes	Yes	Yes	390.77[3]	390.77
Quadro M5000	Yes	Yes	Yes[1]	390.77[3]	390.77
Quadro M4000	Yes[1]	Yes[1]	Yes[2]	390.77[3]	390.77
Quadro M2000	Yes[1]	Yes[1]	Yes[2]	390.77[3]	390.77
Quadro K6000	Yes	Yes	Yes	390.77[3]	390.77
Quadro K5200	Yes	Yes	Yes	390.77[3]	390.77
Quadro K5000	Yes	Yes	Yes	390.77[3]	390.77
Quadro K4200	Yes	Yes	Yes[1]	390.77[3]	390.77
Quadro K4000	Yes	Yes	Yes[1]	390.77[3]	390.77
Quadro K2200	Yes	Yes	Yes[1]	390.77[3]	390.77
Quadro 6000[4]	Yes	Yes	Yes[1]	340.66	362.56

Graphics Board	NVIDIA 3D Active 1 display (stereo)	NVIDIA 3D Active 2 displays (stereo/mono)	NVIDIA 3D Active 2 displays (stereo/stereo)	Windows 7 Driver	Windows 10 Driver
Quadro 5000[4]	Yes	Yes	Yes[1]	340.66	362.56
Quadro 4000[4]	Yes	Yes	Yes[1]	340.66	362.56
Quadro FX 5800[4]	Yes	Yes	Yes	331.82	N/A
Quadro FX 4800[4]	Yes	Yes	Yes[1]	266.45	N/A
Quadro FX 4700[4]	Yes	Yes	Yes	266.45	N/A
Quadro FX 4600[4]	Yes	Yes	Yes	266.45	N/A

[1] DP to DVI-D dual-link adaptor required.

- Be sure to use dual-link adaptors that are USB powered. Two examples are the **BizLink XT625** and the **Accell B087B-002B** or **B087B-007B** models. All monitor cables must be **dual-link DVI** to support stereo display.

[2] Two DP to DVI-D dual-link adaptors required.

[3] Issue with **ISSG** on **Windows 7**. When the user roams the stereo cursor over existing features that are locatable it causes a snap glyph to appear, which in turns causes the roam display to halt momentarily. This will result in extremely jerky roam if there are a lot of features displayed and the **SmartSnap** options are enabled on the GeoMedia **Vector** tab. Users can disable **SmartSnap** options or turn Locatable Off for features which aren't needed for snapping purposes to eliminate/reduce the problem. This problem does not occur with older drivers but those won't support the Maxwell and Kepler series cards properly. The problem does not occur on Windows 10. We are continuing to investigate this with NVIDIA, check with Hexagon Geospatial support for the latest information on this.

[4] These cards are no longer tested. Information is for legacy purposes only.

[5] These cards require 8-pin PCIe power cables. Make sure your computer's power supply provides this type of power cable, or use a 6-pin to 8-pin PCIe power adaptor cable.

The following monitors are currently qualified for stereo viewing (although others may adequately perform):

- Acer GN246HL

- Acer GN276HL

- ASUS MG248Q

- Planar SA2311W

- Acer GD235

- Samsung 2233rz

- Viewsonic VX2268wm

- Viewsonic V3D245 (single display only)

- ASUS VG278H (single display only)

- ASUS VG278HE

- BenQ XL2420T/Z

Installing the Graphics Driver

Several graphics drivers are included on the product DVD and listed in the Hexagon Geospatial Setup Manager menu under *Display Drivers*. If you are unsure which driver is right for your system, contact your Support Representative. Be sure to reboot the system after installing the new version. Instructions for installing the graphics drivers vary widely as different graphics adapters, different operating systems, different monitors, etc., all make for different configuration needs. If you are not familiar with updating such drivers, again, contact your Support Representative.

If you are simply updating the ImageStation software on a currently working system, and have not changed the graphics card or monitors, it is not necessary to update the graphics driver. Installing newer drivers with older hardware can cause serious problems with the stereo viewing system.

A detailed installation guide for configuring the NVIDIA graphics driver is available by clicking the *Installation Guide* link after selecting any one of the *Display Drivers* from the Hexagon Geospatial Master Setup.

To achieve the best performance when running stereo applications on Windows 7, you must disable both Desktop Composition and Aero.

To disable Desktop Composition:

- Open the Control Panel.

- Click View >> Small Icons.

- Click Performance Information and Tools.

- Click Adjust visual effects.

- On the Visual Effects tab activate the Adjust for best performance option.

- Click OK.

To disable Aero:

- Right click on the desktop and select Personalize.

- Click on any one of the "Basic and High Contrast Themes."

Product Removal Procedure

Users MUST be logged on with ADMINISTRATOR PRIVILEGES prior to performing any of the following steps!

Remove all the ImageStation photogrammetry products on the system by using the tools provided in Windows **Control Panel > Programs and Features**. The list of products available to be removed will contain a subset of the following products:

- Condor for Intergraph

- DIA

- DIA Dependencies

- Dodge

- DTM Client

- DTM Support

- Extract CSF

- HTCondor for Hexagon Geospatial

- ImagePipe

- ImageStation Automatic Elevations

- ImageStation Automatic Triangulation

- ImageStation Base Rectifier

- ImageStation Coordinate System Operations

- ImageStation Digital Image Analyst

- ImageStation Digital Mensuration

- ImageStation DTM Collection

- ImageStation DTM for GeoMedia

- ImageStation DTMQue

- ImageStation Elevation Engine

- ImageStation Elevation Utilities

- ImageStation Extract CSF

- ImageStation Feature Collection

- ImageStation Generate Stereo Mate

- ImageStation Image Formatter

- ImageStation Model Setup

- ImageStation OrthoPro

- ImageStation Photogrammetric Manager

- ImageStation PixelQue

- ImageStation PixelQueDependencies

- ImageStation Raster Utilities

- ImageStation Satellite Triangulation

- ImageStation Stereo Display

- ImageStation Stereo for GeoMedia

- ImageStation Stereo Mate

- ImageStation XE

- ISDTM

- ISDTM 6.1

- ISDIA

- ISDIA Dependencies

- PhotogDataServer

- RasPlat

- Spatial Modeler RTE (x64, x86)

- Standalone ZICSO

- TerraShare Common Dialogs

- Z/I Coordinate Systems

- Z/I Coordinate System Operations for MicroStation

- ZIPCore

- ZIRFL – Runtime

- ZIInputDeviceService

As you uninstall these products you may be prompted to remove files (generally DLLs) the system has determined are no longer being used. Answer YES TO ALL.

If you have GeoMedia and/or IMAGINE installed on the system and are upgrading them, uninstall them after removing all the ImageStation products.

REBOOT the system! Failure to do so can cause files to automatically get deleted after you have installed the new version the next time you boot and cause very strange problems!

Delete the "*C:\Program Files (x86)\Common Files\ZI Imaging,*" "*C:\Program Files (x86)\Common Files\Intergraph,*" and "*C:\Program Files\Common Files\Intergraph*" folders. You will get a message that this may affect registered programs, but answer OK to remove the directory. You may also get a message stating that files related to the ZIJobService cannot be removed. If this happens, REBOOT the system!

You should now be able to install the products you have purchased onto your system following the *Product Installation Procedure* (on page 15).

If you are upgrading photogrammetry applications, it is NOT necessary to remove or reinstall platform products such as MicroStation or GeoMedia unless a new version is required. If for some reason you ever find it necessary to reinstall either of these applications, it is critical that you remove and reinstall the dependent applications. For MicroStation this includes ISSD, ISFC, ISDC, and ISAE. For GeoMedia this would include ISOP, ISPQ, ISDG and ISSG. None of the orientation products (ISPM, ISAT, ISST) are affected by these platform products.

Product Installation Procedure

Users MUST be logged on with ADMINISTRATOR PRIVILEGES prior to performing any of the following steps!

If you intend to run the old GIS Imaging products (Image Viewer, I/RAS C, Image Analyst) on the same system as the ImageStation products, be sure to load the GIS Imaging products first.

If the ImageStation applications you intend to install require either MicroStation or GeoMedia then load those applications first:

- MicroStation V8i   (08.11.09.459, 08.11.09.655, 08.11.09.714, or 08.11.09.829)

- GeoMedia Desktop 2018

Then run *Setup.vbs* to start the Hexagon Geospatial Setup Manager. The Hexagon Geospatial Setup Manager requires that MicroSoft .NET Framework 4.5 Extended be installed first. The setup for this is located at the root level of the product DVD. If .NET Framework 4.5 is not installed, the *Setup.vbs* script will prompt you to install it prior to running the Hexagon Geospatial Setup manager.

- Install the ImageStation products in any order.

- Generate the product license(s) by visiting the Hexagon Geospatial licensing website at http://www.hexagongeospatial.com/resources/support/licensing.

The Region setting must be set to English. If the Region setting is not set to English, errors may occur when performing certain operations.

Alternatively,you can run *ImageStationInstaller.vbs* to start the *ImageStation Installer* (on page 18). This will perform the same check for the .NET Framework, but then will launch *ImageStationInstaller.exe*, which is designed to save users time when installing or uninstalling ImageStation applications by removing the need to attend to the setups and click on a lot of "*Next*" buttons, one product at a time. All products are sequentially installed, or uninstalled, in an unattended mode with progress bars so as to let the user know that something is actually happening, and to also know when the processes are complete.

Hexagon Geospatial Setup Manager

To install the ImageStation applications, double-click on *Setup.vbs* from the root level of the product DVD to start the **Hexagon Geospatial Setup Manager**. If **.NET 4.5 Framework** is not already installed on your system then you will be prompted to install it. Simply follow the prompts to install it.

To install the ImageStation applications in unattended mode, see *ImageStation Installer* (on page 18).

Project Management/Orientations will be automatically highlighted when the **Hexagon Geospatial Setup Manager** opens. Expand any category and click on any product to activate the links to the right. This allows you to read the *Release Guide*, the *End User License Agreement (EULA)*, and the *Installation Guide*, as well as to be directed to our *Support* web site.

Click the plus sign (+) to expand any of the categories to select a product to install. After selecting a product to install, click **Install** in the **Action** column of the display and follow the prompts to install the product.
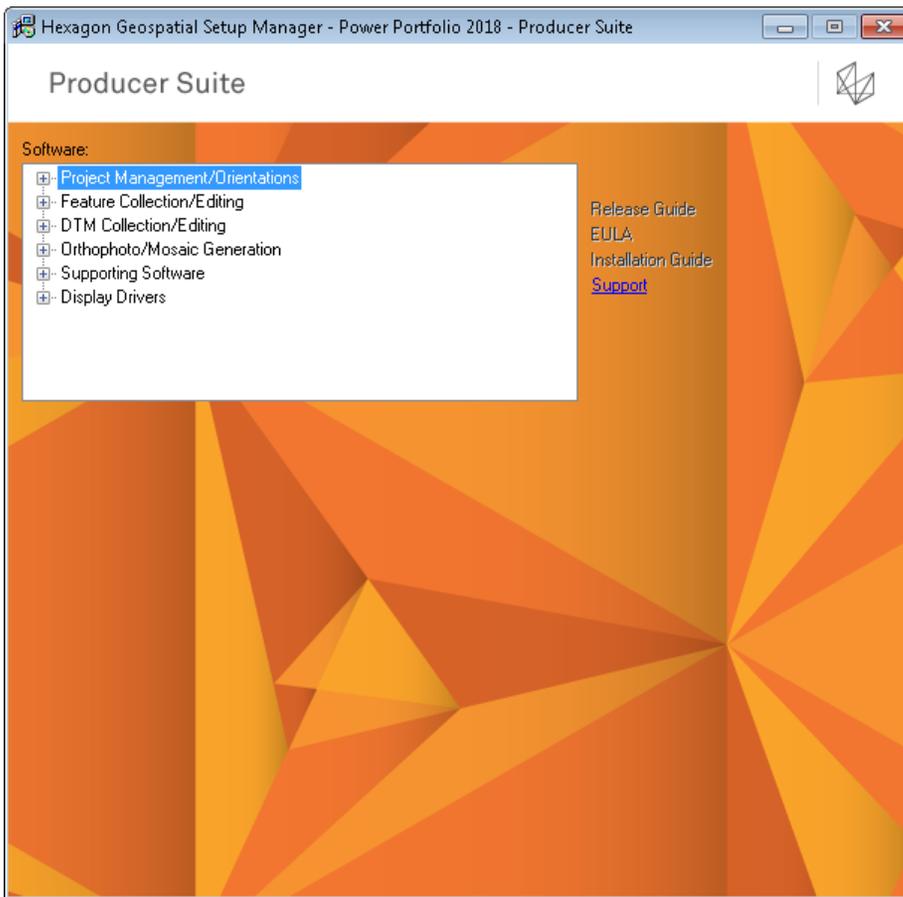
A series of dialog boxes will ask for information such as:

- Welcome - select Next

- End User License Agreement (EULA) – click "Accept" and then select Next

- Destination Location - take the default or enter a new location and select Next

- Start Copying Files - select Next

- ...the software will load....

- Select Finish

Once you have finished installing your products, you can start them from the Windows Start menu.

Under the **Project Management/Orientations** and **DTM Collection/Editing** categories you will see the same **Supporting Software** product, **ERDAS Raster and Sensor Geometry Support**. Installing this module is optional, but each entry has a tool tip indicating which features of the **Orientations** and **ImageStation DTMQue** products require the module to properly function, as indicated below. *These links point to the same module, so you only need install it one time*. They are simply duplicated in the menu structure to bring your attention to the features that require this module.

- **Project Management/Orientations** - Required for IMAGINE .img format support, satellite sensor support in the **Tools > Satellite** command, and support for importing IMAGINE Photogrammetry projects in the **Tools > Import > IMAGINE Photogrammetry** command.

- **DTM Collection/Editing** - Required to use the simplified command panel interface provided by the **Start > ImageStation DTMQue >   ImageStation DTMQue Spatial Models** command.

Silent Setups

The ImageStation products have the ability to perform unattended (silent) installation and removal of the products. Administrator privileges are required to install or uninstall the applications.

To perform silent installation, open a command prompt with administrator privileges, then type in:

   \\path\Setup.exe   /s   /v/q

where *\\path* is the path to the product installation folder.

For a full list of setup options, type in:

   setup -?

To perform silent removal, open a command prompt with administrator privileges, then type in:

   \\path\Setup.exe   /x   /v/q

For more about unattended setups, see the **ImageStation Installer** section.

ImageStation Installer

The **ImageStation Installer** utility is located at the root folder level of the **ImageStation** product delivery media *(ImageStationInstaller.exe)*, and is designed to save users time when installing or uninstalling **ImageStation** applications by removing the need to attend to the setups and click on a lot of "*Next*" buttons, one product at a time. All products are sequentially installed, or uninstalled, in an unattended mode with progress bars so as to let the user know that something is actually happening, and to also know when the processes are complete.

Running *ImageStationInstaller.vbs* will check your system for the existence of the prerequisite **.NET Framework** version 4.5 and install it first if it does not exist, then it will launch *ImageStationInstaller.exe*.
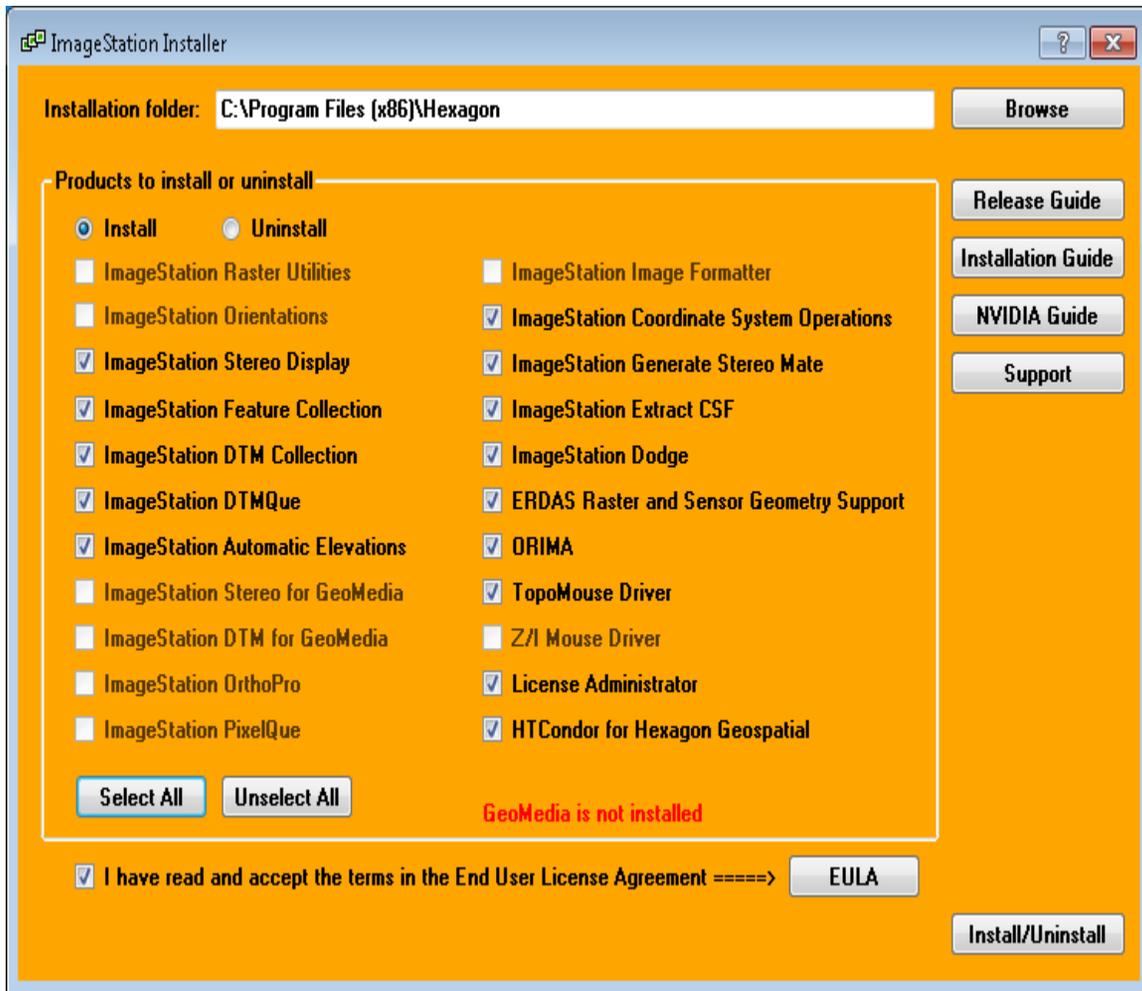
Any required platform products, such as **GeoMedia** or **MicroStation**, should be installed first. If they are not, the products that require them will be disabled on the **ImageStation Installer** dialog.

Products that are already installed on the system will not be enabled for selection while the **Install** radio button is active. Conversely, products that are NOT installed will not be enabled for selection if the **Uninstall** radio button is active. This makes for a much faster way to determine which products are installed instead of using **Programs and Features** from the operating system's **Control Panel**.

The **ImageStation Installer** can be used to remove older versions of the products to a certain point. All 2016 version products can be detected and removed. Some prior version products have changed installation names, such as ISPM/ISAT/ISST (which are now under "Orientations") and HTCondor for Hexagon Geospatial (was Condor for Intergraph) will not be detected for removal. Also, some products have been changed to 64-bit applications (ISIF, ISAE, ISOP, ISDQ, Orientations) and so their registry entry locations have changed, which will cause them to fail to be detected for removal.

You can not mix different versions of ImageStation applications on the same system. While the **ImageStation Installer** looks for previous versions of the applications, it does not check the system for old versions of common components, such as RasPlat or ImagePipe. Before using **ImageStation Installer** to upgrade your system you should be sure to remove all old versions and components. Please see the *Product Removal Procedure* (on page 12) for a complete list of products and components that should be removed.

Users must open the **End User License Agreement (EULA)** document and check the agreement checkbox to activate the **Install/Uninstall** button when the program is set to **Install** mode. This restriction does not apply to users on the Hexagon Geospatial corporate domain.

If you install **HTCondor for Hexagon Geospatial** be sure to run the **HTCondor for Hexagon Geospatial Configuration** wizard afterwards from the Microsoft Start menu for **HTC Condor**. If **Condor** is not already installed the **ImageStation Installer** will install it for you. Be sure to reboot the system afterwards to complete the **Condor** installation. Note too that uninstalling **HTCondor for Hexagon Geospatial** does NOT remove **Condor**. You must use **Control Panel >> Programs and Features** to remove **Condor**.

If you elect to install **ImageStation Automatic Elevations** there will be about a 30 second delay where it appears nothing is happening. This is because the **Leica XProSGM** installer is running silently in the background as there is no option to install it in passive mode. Just be patient and then you will see the setups for **ISRU** (prerequisite) and **ISAE** take place.

The **TopoMouse** driver installs and uninstalls completely silently, there is no feedback. However, it only takes a couple seconds for either operation.

The **TopoMouse Driver**, **Z/I Mouse Driver**, **ImageStation Dodge**, and **ERDAS Spatial Modeler Raster Format Support** products all install to hard coded locations on the system drive, so the **Installation folder** option is ignored for these products.

The **ImageStation 2018** release has added the following features which require the **ERDAS Spatial Modeler Raster Format Support** module to be installed to use them:

- Support for ~25 additional satellite sensors for ingestion and triangulation with **ISPM** and **ISAT** (without the need for **ISST**)

- Importing of aerial frame and satellite project block files (*.*BLK*) from **IMAGINE** into **ImageStation**

- A new additional user interface in **ISDQ**, called **ISDQSM**, that allows users to launch workflows by way of spatial models

Several products have **ImageStation Raster Utilities (ISRU)** as a prerequisite and will install it automatically. If **ISRU** is already installed on the system the installer will recognize this and skip past it quickly. Any products that install **ISRU** as a prerequisite will NOT remove the product during uninstall, you must specifically check **ISRU** if you want to uninstall it.

Installation folder
Use this field to indicate where you want the products to be installed at. The default location is the usual *C:\Program Files (x86)\Hexagon* location but you can point it to whatever drive or folder structure you like. This path is persisted from session to session.

Products to install or uninstall
Place a check next to each product you wish to install or uninstall.

Install/Uninstall radio buttons
Used to select which operation to perform on the selected products when you click the **Install/Uninstall** button.

EULA
You must read and accept the terms of the **End User License Agreement (EULA)** and activate the checkbox to enable the **Install/Uninstall** button when the **Install** radio button is active.

Install/Uninstall
After selecting one or more product check boxes and accepting the **EULA** agreement, click this button to perform the install or uninstall operations. When all products have finished installing or uninstalling, dismiss the *"process complete"* message dialog box, then click **"X"** to dismiss the program.

Release Guide
Displays a PDF file that describes new features and fixes for this version.

Installation Guide
Displays a PDF file that describes the **ImageStation** product installation and removal processes.

NVIDIA Guide
Displays a PDF file that contains instructions for installing and configuring drivers for the graphics cards supported by **ImageStation** products. Note that the NVIDIA driver installation files are not accessible through ImageStation Installer. Either use the **Hexagon Geospatial Setup Manager >> Display Drivers**,

or navigate with Windows Explorer to the *Repository\VideoDrivers\NVIDIA* folder of the **ImageStation** product delivery media to install the driver.

Support
Opens a link in your default internet browser to *http://www.hexagongeospatial.com/support*.

Licensing ImageStation

With the Power Portfolio 2018 release, licenses are no longer based on Certificate-file based technology. Instead, licenses are based on Activation IDs so that customers can activate their products without having to provide Host IDs or other hardware-related parameters. Customers can also re-host without emailing the licensing team to assist. The Power Portfolio 2018 release also includes improved tools to make it easier to install licenses, set up license servers, and provide more professional error handling. Finally, the Power Portfolio 2018 release has improved customer notification in the products, such as an "end of subscription" message in the Start-up screen. These more secure and automated processes, along with a new licensing portal, provide a better customer experience.

You can install Geospatial Licensing 2018 from the Supporting Software section of the ImageStation product delivery media and use Geospatial Licensing Administrator 2018 to set up and manage a concurrent license server and other license resources.   See the Geospatial Licensing 2018 Help file for more information.

Please visit our *licensing web site* (*https://www.hexagongeospatial.com/resources/support/licensing*) to generate or to manage your licenses.   There are help topics on this page to assist you if you have difficulty in generating or managing your license. There are also useful eTraining videos at *bottom* (*https://community.hexagongeospatial.com/t5/Licensing/tkb-p/eTLicensing*) of the site page.

ImageStation applications will no longer run unlicensed for a grace period of 30 days after installation.   Instead, the product must be licensed immediately to run the application. As with any nodelocked license, you cannot use Remote Desktop or Terminal Services to run the application; this functionality requires a concurrent license.

If you receive a License Not Found error, there is a problem with the product license.   A valid license is required for this product.   For new installs, it is possible the license is either in the wrong location or has not been loaded properly.

For concurrent license users, make sure there is an available license and not all the existing licenses on the license server are being used.

For users with evaluation licenses, make sure the evaluation period has not expired.

The table below shows a breakdown of which license features are delivered with each product.

- ImageStation OrthoPro uses ISOPDP licenses for ALL processing, regardless if run locally or distributed. The OrthoPro license is only used to access the GUI.

- ImageStation OrthoPro DP is "product" and has a part number as shown. It is a bundle of 4 extra ISOPDP licenses that shops can purchase to increase their distributed processing bandwidth.

- ImageStation OrthoPro, ImageStation Photogrammetric Manager, and ImageStation PixelQue products each provide 4 ISDP licenses (12 total).

- ISDP   licenses are used by ImageStation Image Formatter (ISIF) for processing jobs. The ISIF GUI does not check out a license.

- ImageStation Automatic Elevations uses ISAEDP licenses for processing its jobs. The ISAE license is only used to access the GUI.

- ImageStation Automatic Elevations Extended uses ISAE_ExtDP licenses for processing its jobs. The ISAE_Ext license is only used to access the GUI.

- ImageStation Automatic Elevations Extended includes one ISAE license for the GUI and four ISAEDP licenses for job processing with the original ISAE program.

- ImageStation Stereo Display includes one license for ISFC, but ISFC maintenance is charged separately.

- The version of ORIMA that is available under the Supporting Software section of the ImageStation Master Setup delivers ORIMA-IS, which is accessed from the ISAT Orientations menu. This product requires either an ORIMA-M or ORIMA-TE/GPS license in order to run.

Users of ISOP, ISAE, ISAE Extended, and ISIF need to be sure to generate the corresponding "DP" licenses for their products when they generate licenses for the main applications or else the submitted jobs will not run.

Product Description	Root part number	License Feature	QTY w/product delivery [1]
ImageStation Automatic Elevations	SFT11308	ISAE	1
ImageStation Automatic Elevations	SFT11308	ISAEDP	4
ImageStation Automatic Elevations-Extended	SFT11318	ISAE_ExtDP	8
ImageStation Automatic Elevations-Extended	SFT11318	ISAE_Ext	1
ImageStation Automatic Elevations-Extended	SFT11318	ISAE	1
ImageStation Automatic Elevations-Extended	SFT11318	ISAEDP	4
ImageStation Automatic Triangulation	SFT11738	ISAT	1
ImageStation DTM Collection	SFT11307	ISDC	1

ImageStation DTM for GeoMedia	SFT11528	ISDG	1
ImageStation DTMQue	SFT11340	zidtm_utilities	1
ImageStation DTMQue	SFT11340	Spatial_Model_Job	1
ImageStation Feature Collection	SFT11306	ISFC	1
ImageStation Image Formatter	N/A	ISDP required	0
ImageStation OrthoPro	SFT11314	OrthoPro	1
ImageStation OrthoPro	SFT11314	ISDP	4
ImageStation OrthoPro	SFT11314	ISOPDP	16
ImageStation OrthoPro	SFT11314	ISPM	1
ImageStation OrthoPro	SFT11314	IS_PixelQue	1
ImageStation OrthoPro DP	SFT11319	ISOPDP	4
ImageStation Photogrammetric Manager	SFT11300	ISPM	1
ImageStation Photogrammetric Manager	SFT11300	ISDP	4
ImageStation PixelQue	SFT11336	IS_PixelQue	1
ImageStation PixelQue	SFT11336	ISDP	4
ImageStation Satellite Triangulation	SFT11328	ISST	1
ImageStation Stereo Display	SFT11304	ISSD	1
ImageStation Stereo Display	SFT11304	ISFC	1
ImageStation Stereo for GeoMedia	SFT11329	ISS_for_GeoMedia	1
ImageStation Stereo Viewer for GeoMedia	SFT11325	ISSV_for_GeoMedia	1

[1] License feature quantities shown are for individual product purchases; license feature quantities may vary when product is included in a bundle.

Technical Support and Information

Hexagon Geospatial® provides several ways to access information and to contact support, including self-help tools, Hexagon Geospatial Community, Hexagon Geospatial Developer Network, and phone support.

Hexagon Geospatial Community

You can find support-related discussion boards and knowledge bases across the Hexagon Geospatial products on the *Hexagon Geospatial Community http://community.hexagongeospatial.com*. Find more information about the community on a Community *blog http://blog.hexagongeospatial.com/join-the-community/*.

Blogs

Get the latest on our technologies: from what engineering is working on, to news about the latest APIs, as well as developer tips and tricks.

Discussions

Discuss topics with other Hexagon Geospatial Product pioneers and experts.

Knowledge and Support

Learn more about our products, find answers, get the latest updates, and connect with other Hexagon Geospatial Community members, or get support from our *support teams http://www.hexagongeospatial.com/support*.

Developer Network

Share technical information with other developers who use Hexagon Geospatial's SDKs and M.App Portfolio. To get full access to the Developer Network you need to purchase a Hexagon Geospatial Developer Network (HGDN) Subscription. With HGDN, you get broad access to select Hexagon Geospatial development products in one place. You will also get access to powerful toolkits, including currently published APIs and SDKs. You also get access to in-depth resources such as tutorials, collaborative samples, and web-based training.

Find more information about HGDN on a Community *blog http://community.hexagongeospatial.com/t5/About-the-Community/HGDN-Subscription/ba-p/3597*.

eTraining

Short, to-the-point videos showcasing specific workflows for many tasks and organized by product.   We add new videos constantly, so check back often.

Tutorials

Written, step-by-step instructions for our most asked-about tasks.   Includes helpful hints and introduction material to get you started with our products.

Professional Service Team

For support phone numbers or to submit sales inquiries, general questions, and comments, click the appropriate tabs at the top of the *Hexagon Geospatial Support* (*http://www.hexagongeospatial.com/support*) page.