About This Release

This document describes the enhancements for PRO600 2020 (v16.6.0). Although the information in this document is current as of the product release, see the Hexagon Geospatial Support website for the most current version.

This document is only an overview and does not provide all the details about the product's capabilities. See the online help and other documents provided with PRO600 for more information.

New Platforms

V8i SELECT series 10 (SS10)
PRO600 2020 adds support for the following products
  - MicroStation V8i SS10
  - Bentley Map Stand Alone V8i SS 10
  - Bentley Map Enterprise V8i SS 10

Previous editions of V8i may be compatible but have not been tested with PRO600 2020.

ERDAS IMAGINE 2020 32-bit
ERDAS IMAGINE 2020 is now available both as a true 64-bit application and a 32-bit application. Consequently, there are two separate installers. One in which the entire suite runs as 32-bit applications and one in which the entire suite runs as 64-bit.

PRO600 2020 is a 32-bit application and hence is compatible with ERDAS IMAGINE 2020 32-bit.

Windows 10
PRO600 2010 adds Microsoft Windows 10 Professional as supported platforms

Licensing
It is strongly recommended that customers upgrade to the newest version of Hexagon Geospatial Licensing 2020. If in doubt, refer to Windows’ Add or Remove Programs utility to determine the currently installed version.

The appropriate download can be found on the Downloads section of the Hexagon Geospatial web site.
New Technology

3Dconnexion SpaceMouse Pro
Support for the 3Dconnexion SpaceMouse Pro as a digitizing device is added for providing you with an additional input device choice.
# System Requirements

## PRO600

<table>
<thead>
<tr>
<th>Computer/ Processor</th>
<th>64-bit: Intel 64 (EM64T), AMD 64, or equivalent (Multi-core processors are strongly recommended)</th>
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<tbody>
<tr>
<td>Memory (RAM)</td>
<td>16 GB or more strongly recommended</td>
</tr>
<tr>
<td>Disk Space</td>
<td>• 6 GB for software&lt;br&gt;• 1 GB for example data&lt;br&gt;• Data storage requirements vary by mapping project¹</td>
</tr>
<tr>
<td>Operating Systems ², ³</td>
<td>• Windows 10 Pro (64-bit)</td>
</tr>
<tr>
<td>Software</td>
<td>• ERDAS IMAGINE 2020 32-bit&lt;br&gt;• Either one of the following:&lt;br&gt;  o MicroStation V8i SS10&lt;br&gt;  o Bentley Map Stand Alone V8i SS10&lt;br&gt;  o Bentley Map Enterprise V8i SS10&lt;br&gt;  o OpenGL 2.1 or higher (this typically comes with supported graphics cards²)&lt;br&gt;  o Microsoft DirectX® 9c or higher&lt;br&gt;  o .NET Framework 4.0</td>
</tr>
<tr>
<td>Recommended Graphics Cards for Stereo Display</td>
<td>• NVIDIA® Quadro® P6000, P5000, P4000, P2000&lt;br&gt;  • NVIDIA® Quadro® M6000, M5000, M4000, M2000&lt;br&gt;  • NVIDIA® Quadro® K5200, K5000, K4200, K4000, K2200, K600, K420</td>
</tr>
<tr>
<td>Recommended Stereo Display Monitors</td>
<td>• 120 Hz (or above) LCD Monitors with NVIDIA 3D Vision™ Kit, or 3D PluraView system from Schneider Digital ³</td>
</tr>
<tr>
<td>Peripherals</td>
<td>All software instailations require:&lt;br&gt;  • One Windows-compatible mouse with scroll wheel or equivalent input device&lt;br&gt;  • Printing requires Windows-supported hardcopy devices ³&lt;br&gt;  • Software security (Hexagon Geospatial Licensing 2020) requires one of the following:&lt;br&gt;  o Ethernet card, or&lt;br&gt;  o One USB port for hardware key&lt;br&gt;  • Advanced data collection requires one of the following hand controllers:&lt;br&gt;  o TopoMouse™ or TopoMouse USB™&lt;br&gt;  o Immersion 3D Mouse&lt;br&gt;  o Stealth 3D (Immersion), S3D-E type, Serial Port&lt;br&gt;  o Stealth Z, S2-Z model, USB version&lt;br&gt;  o Stealth V, S3-V type (add as a serial device)&lt;br&gt;  o 3Dconnexion SpaceMouse Pro&lt;br&gt;  o 3Dconnexion SpaceExplorer mouse&lt;br&gt;  o EK2000 Hand Wheels&lt;br&gt;  o EMSEN Hand Wheels&lt;br&gt;  o Z/I Mouse</td>
</tr>
</tbody>
</table>
System Requirements Notes

1 Disk I/O is usually the slowest task in geospatial data processing. Faster hard disks improve productivity. Reading data from one disk, writing temporary data to a second disk, and writing data to a third disk improves performance. Disk arrays improve productivity, but some RAID options slow performance. Network disk drives are subject to network limitations.

2 Windows provides a generic OpenGL driver for all supported graphics cards. However, an OpenGL-optimized graphics card and driver are recommended for these applications.

3 HP-RTL drivers are recommended. Windows 64-bit print servers require 64-bit print drivers.
# Issues Resolved

## PRO600

<table>
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<tr>
<th>Issue ID</th>
<th>Summary – PRO600</th>
<th>Description / How to Reproduce</th>
</tr>
</thead>
<tbody>
<tr>
<td>IM-46078</td>
<td>CALSPOT not working on PRO600 2018 Installation</td>
<td>The collect calspot command does not seem to work, and the PRO600 Library settings seem to match the help file for calspot.</td>
</tr>
</tbody>
</table>
| IM-46058  | PRO600 viewplex fails to load JPG images               | * Open a specific blockfile and attach the JPG images associated with it.  
* Launch Terrain Editor and load the image pair in it.  
* Notice that the image pair is displayed fine.  
* Close Terrain Editor and launch PRO600.  
* After the viewplex is launched, try to load the image pair in the viewplex.  
Notice that an error pops up and the image pair fails to load. The same images work fine if converted to img. JPG images were able to load in the PRO600 viewplex fine with ERDAS IMAGINE 2013. |
| IM-45842  | PRODTM hangs for a very long time while trying to measure masspoint manually  | In PRO600, while trying to measure the points (mass points) in a grid in PRODTM, using measure tool, PRO600 / PRODTM hangs for a very long time.  
While working with the customer data, discovered:  
If import more than 20,000 points (grid 20X20 meter) from the DEM file (IMG format), the PRO600 hangs.  
For the same data, created a less dense grid (100X100 meter) where less than 5000 points are imported, now the PRO600 / PRODTM works fine. |
| IM-49567  | PRO600 ViewPlex does not consider the 4-Band Image RGB Settings of IMAGINE | Display of 4-band images (RGBN) in the stereo viewer of PRO600 2018 does not adhere to the setting in IMAGINE Preferences. Instead of a RGB stereo model a false color stereo model is displayed. This used to work in previous version of PRO600 |
| IM-48965  | PRO600 viewplex fails to load Tiff images              | Tiff format images fail to display in the stereo viewer of PRO600 if TerraSolid is installed on the system.                                                                                                                  |
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Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon’s Geospatial division creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

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