Leica HxMap

Recommended Hardware

The Leica HxMap high-performance multisensor post-processing software runs from a single laptop to a cluster that could be made up of hundreds of nodes. Since the HxMap workflow is highly data and compute intensive, procurement of the suitable hardware infrastructure requires some planning.

Depending on the size of your projects and your sensor fleet, infrastructure recommendations need to be adjusted. We therefore list the minimum requirements to operate HxMap below. We are also happy to support you in putting together the most suitable IT environment matching your needs.

Basic requirements for an optimal processing workstation are the following:

- IBM PC-compatible computer

- Windows 8.1 64-bit OS or Windows 7 64-bit OS
  Windows Server 2012 or Windows Server 2008 for High Throughput Computing (HTC) environment

- Minimum 16 GB RAM

- 3 TB or more free disk space for data processing. Disk space for data processing depends largely on the characteristics of production work and back up cycles used. It is recommended to have 20 TB or more available. One full day flight data with products may require about 3 TB

- 3 GHz processor speed, total of 8 cores or more

- Graphics card - NVIDIA GeForce GTX 960/ 980,Nvidia GeForce GTX 285/ 295 or NVidia Quadro M2000 (basically any current with at least 512 MB RAM; RAM speed is important - DDR 3 or better; OpenGL version 2.0 or greater support is required)