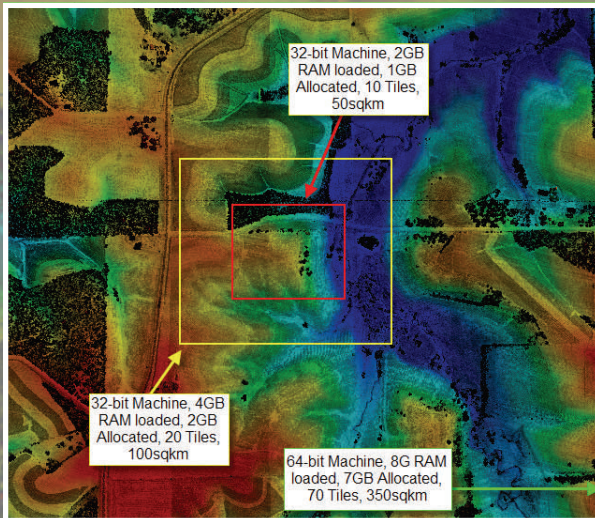


Quick Terrain Modeler[®] x64

Using 64-bit Power with LiDAR Data



With the release of Version 6.1, Applied Imagery introduced a 64-bit version of Quick Terrain Modeler. This new version will enable users with 64-bit operating systems to:

- Work with significantly more data.
- Render larger models.
- Analyze data faster.
- Maximize terrain exploitation.

Maximum practical model sizes are provided to illustrate the massive sized datasets that Quick Terrain Modeler can work with, in both 32-bit and 64-bit Operating systems.

Quick Terrain Modeler Maximum Practical Model Size Based on Windows Memory Allocation in Windows 32-bit OS			
Data/Model Type		Memory Allocated by Windows (GB)	
		32-Bit	
		1 GB	2 GB
Point Clouds (Measured in Number of Points)	Point Cloud: Compressed Points - No Intensity	100M Points	200M Points
	Point Cloud: Uncompressed Points - No Intensity	50M Points	100M Points
	Point Cloud: Uncompressed Points with Intensity	36M Points	72M Points
Surface Models (Measured in Area or Number of Vertices)	DEM: Compressed with No Intensity (1m posting)	102 sqkm	204 sqkm
	DEM: Compressed with Intensity (1m posting)	65 sqkm	130 sqkm
	DEM: Uncompressed with No intensity (1m posting)	62 sqkm	124 sqkm

Quick Terrain Modeler Maximum Practical Model Size Based on Windows Memory Allocation in Windows 64-bit OS				
Data/Model Type		Memory Allocated by Windows (GB)		
		64-Bit		
		3 GB	7 GB	15 GB
Point Clouds (Measured in Number of Points)	Point Cloud: Compressed Points - No Intensity	300M Points	700M Points	1.5B Points
	Point Cloud: Uncompressed Points - No Intensity	150M Points	350M Points	750M Points
	Point Cloud: Uncompressed Points with Intensity	108M Points	252M Points	540M Points
Surface Models (Measured in Area or Number of Vertices)	DEM: Compressed with No Intensity (1m posting)	306 sqkm	714 sqkm	1534 sqkm
	DEM: Compressed with Intensity (1m posting)	195 sqkm	465 sqkm	975 sqkm
	DEM: Uncompressed with No intensity (1m posting)	186 sqkm	434 sqkm	930 sqkm

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