

## COMPARATIVE CHART BETWEEN VISIONPLUS AND VISIONCIVIL

Manufacturer Software	Geo-Plus VisionCivil <a href="http://www.geo-plus.com/software/civil-engineering-software.asp">http://www.geo-plus.com/software/civil-engineering-software.asp</a>	Geo-Plus VisionPlus <a href="http://www.geo-plus.com/software/land-surveying-software.asp">http://www.geo-plus.com/software/land-surveying-software.asp</a>
WEB		
Discounts for multiple copies?	Yes	Yes
List types of documentation included with software.	Installation guide, user manual, online tutorials	Installation guide, user manual, online tutorials
Can the software installation and data be server based?	Yes	Yes
Project setup assistance or wizard?	Yes	Yes
Multi standard supported?	Yes	Yes
Can Settings be established for network computers?	Yes	Yes
Map projections?	yes	Yes
Datum transformations?	yes	Yes
Geoid models?	yes	Yes
Combined scale factor applied to distance and surface?	Yes	Yes
Multi-user and multi-task solution?	Yes	Yes
Open access to databases?	Yes	Yes
Do the point objects have intelligence?	yes	Yes
Can points be chosen with selectable snap options?	Yes	Yes
Is there an external point database?	Yes	Yes
Are user-definable point groups supported?	Yes	Yes
Are multiple, persistent groups supported?	Yes	Yes
Is point sharing between groups supported?	Yes	Yes
Can point ranges be locked to prevent access by others?	Yes	Yes
Do point data, blocks and text rescale when scale changes?	Yes	Yes
COGO operations and data editing supported via command line?	Yes	Yes
Building siting capability?	Yes	Yes
Does the software have batch file capabilities?	Yes	Yes
TRAVERSE ANALYSIS	Yes	Yes
Compass (Bowditch), Transit and Crandall's Adjustment supported?	Yes	Yes
Least squares analysis and adjustment? (2D, 3D or No)	Yes	Yes
Least squares analysis and adjustment of networks?	Yes	Yes
Are reports available?	Yes	Yes
ELECTRONIC FIELD RECORDERS (DATA COLLECTORS)	Yes	Yes
Are GPS recorders supported? If yes, specify whether raw data is supported from the data collector, receiver memory or both.	Yes	Yes
Is Face1/Face2 or doubling the angle supported?	yes	Yes
Automatic symbology and linework supported for upload and download? (Specify upload, download, both or neither.)	Yes	Yes
DTM CAPABILITIES		
DTM surface and breaklines directly from field?	yes	Yes
Can multiple surfaces be open and accessed simultaneously?	Yes	Yes
Support TINs that accommodate representation and calculations volumes of such features as escarpments, mines, tunnels, etc.?	Yes	No
Compute volume to specific elevation or other surface?	Yes	Yes
Are contour smoothing algorithms user selectable?	Yes	Yes
Are TIN editing capabilities supported?	yes	yes

Soft breaklines supported?	yes	yes
Earthwork take-offs supported?	yes	No
Prismoidal based earthworks supported?	yes	No
Gridded earthworks methods supported?	yes	No
Section method earthworks supported?	yes	No
Surface analysis routines supplied with the software?	yes	no
3D surface viewing supported?	yes	Yes
3D Solid calculation for complex surface with same x,y	Yes	No
DESIGN CAPABILITIES	yes	Yes
Can alignments be designed or edited?	yes	Yes
Can alignments be drafted or annotated?	yes	Yes
Roadway templates or string theory support?	yes	No
Is there an external route alignment database?	yes	No
Access alignments within the same project simultaneously?	yes	Yes
Can profiles and vertical alignments be generated?	yes	No
Symmetrical and asymmetrical vertical curves supported?	yes	yes
What types of site grading capabilities does the software possess?	yes	No
Parametric design supported?	yes	Yes
DRAWINGS (SHEETS)		
User defined templates?	yes	
Are templates page size/layout independent?	yes	Yes
Dynamic legend? (Automatically includes all used symbols.)	No	No
Dynamic line and curve tables?	yes	Yes
Reference survey data to images by picking reference points?	yes	Yes
Automatic clipping for placing annotations, labels and notes?	yes	Yes
Is hatching supported?	yes	Yes
Can points and curvilinear geometry labeling be customized?	yes	Yes
Associative/dynamic labeling for linework and points supported?	yes	Yes
CUSTOMIZING ABILITIES		
Databases customizable?	yes	Yes
Inside AutoCAD	Yes	Yes
Inside Microstation	Yes	Yes
Inside IntelliCad	VisionTerrain	VisionTerrain
Are multi-version DWG/DXF import/exports supported?	yes	yes
Is XML supported for the CAD graphics?	yes	Yes
Are Microstation V7 and V8 supported?	yes	Yes
ASCII coordinate file?	yes	Yes
Sewer/pipe networks?	yes	No
Road design/road layout?	yes	No