

☀ = new feature

Files			
Supported map and mapping project formats			
DigiTerra Explorer Map (.EXP)	✓	✓	✓
DigiTerra Map Pack (.DMP)	✗	✓	✓
OpenGIS KML Map file (.KML)	✗	✗	☀
ArcPad Map file (.APM)	✗	✗	✓
Supported native vector layer formats (read & write)			
DigiTerra (.MAP)	✓	✓	✓
ESRI Shape (.SHP)	✗	✓	✓
Mapinfo Interchange (.MIF)	✗	✓	✓
Microstation (.DGN)	✗	✗	☀
AutoDesk (.DXF)	✗	✗	✓
GPS logfile (.LOG)	✗	✗	✓
Coordinates (point) (.CRD)	✗	✗	☀
Coordinates (shape) (.DAT)	✗	✗	✓
Atlas GIS (.BNA)	✗	✗	✓
Supported raster layer formats			
JPEG file (.JPG)	✓	✓	✓
JPEG2000 file (.JP2)	✗	✓	✓
Er-Mapper Wavelet (.ECW)	✗	✓	✓
Tagged Image file (.TIF)	✗	✓	✓
DigiTerra Raster (.RAS)	✗	✓	✓
ESRI Raster (.BIL)	✗	✗	✓
ERDAS (.LAN)	✗	✗	✓
Er-Mapper (.ERS)	✗	✗	✓
Paintbrush (.PCX)	✗	✗	☀
Lizardtech MrSID (.SID) - available only in desktop version	✗	✗	☀
Windows (.BMP)	✗	✗	✓
Supported text and tabular formats			
AGROCOM Agro-Map (point) (.ANL)	✗	✗	☀
AGROCOM Agro-Map (area) (.GRN)	✗	✗	☀
dBase (.DBF)	✗	✗	✓
DigiTerra (.TAB)	✗	✗	✓
Report (.HTML)	✗	✗	✓
Excel files (.XLS)	✗	✗	✓
Text files (.TXT)	✗	✗	✓
Leica Total Station Data file (.MDT)	✗	✗	☀
File commands			
Synchronizing the transfer of files between desktop PC and mobile device	✓	✓	✓
Automatic upgrade via internet	✓	✓	✓
Facility to send and receive data files as e-mail attachment with the associated e-mail software	✗	✗	☀
Customization			
User interface			
Active (pan) frame	✓	✓	✓
Full screen mode	✗	✓	✓
Customizable hierarchical menu (submenu groups are enabled)	✗	✗	☀
Customizable toolbar (only in desktop version)	✗	✗	✓
Multilanguage user interface (easy to translate to any language)	✓	✓	✓
Tool help for toolbar items	✓	✓	✓

☀ = new feature

	Basic	Advanced	Professional
Customization options for maps			
Raster smoothing (anti-aliased raster layer display)	✓	✓	✓
Vector smoothing (anti-aliased vector layer display)	✓	✓	✓
Pen tolerance can be assigned for vector layers	☀	☀	☀
Snapping display on map (for edge and vertex)	☀	☀	☀
Adjustable pen tolerance (8 pixel as default)	✗	☀	☀
Adjustable map precision	✓	✓	✓
Selectable projected and geographical coordinate systems	✓	✓	✓
Option to give custom projections and dates: types and parameters of projections, 7 parameter transformation	✗	✓	✓
Calculation between coordinate systems	✗	✓	✓
Mapping project templates can be used	☀	☀	☀
Startup map (map/map project usable at startup)	✗	✓	✓
Map background colour	✗	✗	✓
Map highlight (night) colour	✗	✗	✓
Adjustable scale (displayed scale and scale bar)	✓	✓	✓
Adjustable coordinate display (queried coordinate on map and current GPS position)	☀	☀	☀
Displayed cursor position on active frame (only in desktop version)	☀	☀	☀
Speed dependent automatic zooming (in case of activated GPS)	✗	✓	✓
Bookmarks	✗	✗	✓
Customization options for layers			
Adjustable automatic saving for vector layers	✓	✓	✓
Adjustable backup for vector layers	☀	☀	☀
Adjustable default feature type (point, line, area) to new layer creation	✗	☀	☀
Default raster and vector symbols can be used	✓	✓	✓
Custom raster symbols can be used and scaled	✗	☀	☀
Customization options for attributes			
Adjustable date format	✓	✓	✓
Adjustable length, area and speed units	✓	✓	✓
Default code dictionary (editable) can be used for data capturing	✓	✓	✓
Custom code dictionary (editable) can be used for data capturing	✗	✓	✓
Form panel can be used for data capturing	✓	✓	✓
Adjustable list and tree view (hierarchical view) for data capturing	✗	✗	✓
Data field defaults can be used	✓	✓	✓
Linked attribute tables can be used for data capturing	✗	✗	✓
Data field aliases can be used	✗	✗	✓
Data table template can be used for new layer creation	✗	✗	✓
Create new data table template	✗	✗	✓
Layers			
Managing layers			
Building up maps from layers (new, add, delete)	✓	✓	✓
Editable layer name	✓	✓	✓
Changing layer drawing order	✓	✓	✓
Sorting layers by name and feature type	✓	✓	✓
Turning layer visibility on or off	✓	✓	✓
Selecting a layer for identifying	✓	✓	✓
Selecting a layer for editing	✓	✓	✓
Closing layer for editing	✓	✓	✓

☀ = new feature

Point info parameter can be used for data capturing on vertices	x	x	☀
Selecting a layer for snapping	☀	☀	☀
Displaying layers depending on scale	x	✓	✓
Automatic creation of layer scale intervals	x	✓	✓
Vector layers			
Save layer as, layer export	✓	✓	✓
Save selected object as layer, layer export	x	x	☀
Editable line colour, fill colour, symbol, line type, fill type, photographic textures	✓	✓	✓
Labelling by any three data fields	✓	✓	✓
Labelling options: font, size, foreground and background colour, styles, outlining and framing	✓	✓	✓
Labelling by geometry (vertices, length)	☀	☀	☀
Scale and distance dependent labelling	✓	✓	✓
Examining overlapping labels	✓	✓	✓
Displaying symbols depending on scale	✓	✓	✓
Displaying vector layer parameters	✓	✓	✓
Adjustable transparency	x	✓	✓
Point layer display from text file (based on X, Y coordinates)	x	x	✓
Raster layers			
Displaying raster layer parameters	✓	✓	✓
Adjustable brightness	x	✓	✓
Adjustable contrast	x	✓	✓
Adjustable transparency	x	✓	✓
Supporting default transparency for single band images	x	✓	✓
Adjustable RGB transparency	x	☀	☀
Editable georeference parameters	x	x	✓
Georeference of raster layer can be exported as standard World file	x	x	✓
Thematic mapping			
Classification by data fields	x	✓	✓
Options per class: line colour, fill colour, symbol, line type, fill type, photographic textures	x	✓	✓
Raster symbols are supported in any size	x	☀	☀
Classifier methods: unique value, modulo, natural breaks, equal quantities, equal intervals, given intervals, normal distribution	x	✓	✓
Create new class, delete class	x	✓	✓
Class definitions can be saved and apply (.CLS, .TXT)	x	✓	✓
50 colour palettes for toning	x	✓	✓
Scale dependent display for classes	x	✓	✓
Scale dependent labelling for classes	x	✓	✓
Editable class-value and class-label	x	✓	✓
Attributes			
Common functions			
Browsing and editing data tables	✓	✓	✓
Creating new data tables	x	x	✓
Creating new data field	✓	✓	✓
Changing the order of data fields	✓	✓	✓
Linked file to record (e.g.. image, video, Excel ...etc)	x	✓	✓
Data field statistics (class, num, sum, mean, dev, min., max.)	✓	✓	✓
Creating new record	x	x	✓
Deleting record	x	x	✓
Erasing records	x	x	✓

☀ = new feature

Copy attribute table onto clipboard	✗	✓	✓
Exporting attribute tables	✗	✗	✓
GPS point change function	✗	✗	✓
Default data field values			
Copy last value	✓	✓	✓
Increment last value	✓	✓	✓
Creation time	✓	✓	✓
Area of Geometry (m2)	✗	✓	✓
Area of Geometry (ha)	✗	✓	✓
Perim of Geometry (m)	✗	✓	✓
Perim of Geometry (km)	✗	✓	✓
Length of Geometry (m)	✗	✓	✓
Length of Geometry (km)	✗	✓	✓
Azimuth angle	✗	✗	✓
Easting coordinate	✓	✓	✓
Northing coordinate	✓	✓	✓
Altitude	✓	✓	✓
PDOP value	✓	✓	✓
Measure reliability	✗	✗	✓
Measure limit	✗	✗	✓
GPS Time	✓	✓	✓
Satellites used	✓	✓	✓
Satellites in view	✓	✓	✓
Differential correction ratio	✗	✓	✓
Latitude	✓	✓	✓
Longitude	✓	✓	✓
Height above ellipsoid	✗	✓	✓
Copy nearest	✗	✗	✓
GPS Course	✗	✓	✓
MM6 default values*	✗	✗	✓
Area (custom)	✓	✓	✓
Perimeter (custom)	✓	✓	✓
Length (custom)	✓	✓	✓
Distance to last object (custom)	✗	✗	✓
Speed (m/s)	✗	✓	✓
Speed (custom)	✗	✓	✓
Measure identifier	✗	✗	✓
Unique identifier (GUID)	✗	✗	✓
Default data field rules			
Read only	✗	✗	✓
Not null	✗	✗	✓
Unique values	✗	✗	✓
Range	✗	✗	✓
Valid values	✗	✗	✓
Editing functions			
Drawing point, line and area features	✓	✓	✓
Drawing point, line and area features by coordinates	✓	✓	✓
Insert vertex during the drawing by GPS position	✗	✓	✓
Drawing new part (island or multipart object)	✓	✓	✓
Drawing freehand line, freehand area, rectangle, circle, ellipse	✗	✓	✓
Delete object	✓	✓	✓
Rotate object	✗	☀	☀

☀ = new feature

Move object	✗	☀	☀
Scale object	✗	☀	☀
Add new part after creation	✗	✗	☀
Delete, rotate, move, scale functions can be used on selected objects	✗	✗	☀
Insert vertices	✗	✓	✓
Delete vertices	✗	✓	✓
Move vertices	✗	✓	✓
Edit vertices	✗	✓	✓
Edit vertices by coordinates	✗	✓	✓
Edit vertices by GPS position	✗	✓	✓
Undo	✓	✓	✓
View functions			
Dynamic zooming	✓	✓	✓
Zooming by window	✗	✓	✓
Set scale	✓	✓	✓
Zoom to GPS position	✓	✓	✓
Zoom to full extent	✗	✓	✓
Zoom to active layer	✗	✓	✓
Zoom to selected object	✗	✓	✓
Pan	✓	✓	✓
Scroll	✗	✓	✓
Rotate (perspective display)	✗	✓	✓
Rotating map according to GPS course	✓	✓	✓
Above	✗	✓	✓
Creating bookmarks	✗	✗	✓
Displaying last view, next view	✗	✓	✓
Query functions			
Request information from object	✓	✓	✓
Show on map function	✓	✓	✓
Getting information on geometric objects and display coordinate list	✓	✓	✓
Search among descriptive data	✗	✓	✓
Filtering records by query	✗	✓	✓
Sorting records	✗	✓	✓
Select objects (multiple selection)	✗	✗	☀
Select objects by GPS position	✗	☀	☀
Position, angle, length, area and perimeter measuring on the map	✓	✓	✓
Radial measure on the map	✗	✗	✓
Freehand measure on the map	✗	✗	✓
GPS functions and special tools			
Support for NMEA 0183 protocol	✓	✓	✓
SiRF protocol support for switch off/on static navigation	✓	✓	✓
Support for Trimble TSIP protocol	✗	✗	☀
Individual and automatic GPS communication port searching and settings	✓	✓	✓
Displaying GPS position, PDOP, HDOP, VDOP, SNR, satellites, DGPS	✓	✓	✓
Displaying GPS status with colour codes on map	✓	✓	✓
Displaying GPS position on map	☀	☀	☀
GPS skyplot	✓	✓	✓
Displaying SBAS and GLONASS satellites on skyplot	☀	☀	☀

☀ = new feature

Data capturing for post processing can be used on Magellan MobileMapper CE, CX receivers	x	x	✓
Data capturing for post processing can be used on Magellan MobileMapper 6 receiver	x	x	☀
Data capturing for post processing can be used on Trimble receivers (.SSF writing)	x	x	☀
Built-in RTCM (NTRIP) client for Topcon and Trimble receivers	x	x	☀
Support for GLONASS on Topcon receivers	x	x	☀
Magellan Promark 500 is supported	x	x	☀
Advanced GPS measuring functions (offsetting GPS position, averaging, simultaneous collection of data on several layers, GPS position filtering, multi-part polygon support, generalization)	✓	✓	✓
Neighbouring area mapping feature: adjacent areas can be measured without doing a repeated survey on the common side	x	x	☀
Data capturing to vertices of line and area features (point info layer)	x	x	☀
Alarm if GPS position has low quality	✓	✓	✓
Writing GPS logfile	x	x	✓
GPS log analysis	x	x	✓
FieldWork	x	x	☀
GPS guidance	x	x	✓
Navigate to target by selected position or by coordinates	x	✓	✓
Selectable projected and geographical coordinate systems for GPS data capturing	✓	✓	✓
External device related functions			
Cable locator support: Leica, 3M	x	x	✓
Support for NMEA compatible laser rangefinders: TruPulse, Laser Ace	x	x	✓
Topcon GMS-2Pro: builtin laser rangefinder and e-compass is supported, Topcon GMS-2: builtin e-compass is supported	x	x	☀
Support for Leica D8 laser rangefinder: distance intersection	x	x	☀
Support for laser rangefinder with built in electronic compass: polar surveying from start point, receiving GPS position at standpoint and final point	x	x	✓
Support for built-in digital camera	x	✓	✓
Real-time attachment of photo to an object selected on the form, record panel	x	✓	✓
External digital camera support via Wi-Fi and Bluetooth (Ricoh Caplio)	x	x	✓
Real-time attachment of photo, and video file to an object selected on the form, record panel or map (Ricoh Caplio)	x	x	✓
Display raster image in the appropriate position if the header (EXIF) of the raster image contains the LAT, LON coordinates	x	x	☀
Camera control	x	x	☀
Special tools			
Raster orientation	x	x	✓
Survey (rectangular survey, polar survey, angle intersection, distance intersection, polar survey from start point)	x	x	✓
Divide (given number, equal length, by distances, by ratios)	x	x	✓
Sampling	x	x	✓
Change layer	x	x	✓
Change layer can be used on selected objects	x	x	☀
Buffer zone	x	x	☀
Area division (given number of polygons, equal area, given areas, given ratios)	x	x	☀

☀ = new feature

Area delineation	✘	✘	✔
Area join	✘	✘	✔
Printing			
Printing map	✔	✔	✔
Printing attribute data	✘	✔	✔
Printing area report	✘	✘	☀