



SOFTWARE FEATURES

MAIN FEATURES:

- Inspection
- Measure
- Draw 3d Vectors

CARATTERISTICHE FUNZIONALI

ROAMING MODE: On the fly | Epipolar | Stereo Mosaic |

NAVIGATION MODE: Cartografico | Piano Verticale | Full 3D |

ROAMING MODE: Professionale | Easy, tv3D | Anaglifca | Monoscopica |

WHAT'S NEW:

- GCPs Reprojections report tool
- Osnap to an object will now highlight that object
- Camera mounting angle can now be selected while importing Pix4d, Photoscan, OPKBundle and generic projects
- Drawn object will have the color of the active layer
- User can recover last stereo visited point after reopening the project
- 2 more shapes of the cursor
- Images path editor
- Choose between multi osnap selection or single osnap selection
- Import generic project from different dataset merging the images
- Import from OPKBundle let you select images folder if images are missing
- CAD Overview window (linked to stereoscopic window)
- User can avoid automatic Z adjustment after PAN
- DEM rendering as contours
- DEM Patch tools
- New tool: Notes. You can mark your project with a specific symbol and write a note on it. Then, you can have a complete report with all the details you need (images, notes, coordinates);
- 3D TV compatible. In addition to the traditional mode*;
- Possibility to define keyboard shortcut for Smart Draw command;
- Show/Hide background point cloud on stereo view;
- Show/Hide images on stereo window;
- Show/Hide vector draw on stereo window;
- Show/Hide line types on stereo window;
- Auto elevation on mouse stop;
- Auto elevation by trackball;
- Preset trackball buttons;
- enable/disable epipolar resampling;
- quality measurements, for reliability of stereo pair.



STEREOCAD REQUIREMENTS:

The anaglyphic and monoscopic window is always available. In these cases, you do not need additional hardware.

TRADIZIONAL*

- ^ **PC:** Operating system: Windows 7/8/8.1 (64 bit)
CPU: i3/ i5/ i7 or equivalent
RAM: 4 GB or more
- ^ **KENSINGTON Expert Mouse Trackball****
- ^ **Monitor LED 3D**
(e.g. BENQ XL2411Z LED 3D 24" Full HD) or similar that support NVidia 3D vision kit
- ^ **NVidia Quadro family**
(e.g. K410, K620..)
- ^ **NVidia 3D Vision 2 Kit**

3D TV

- ^ **PC:** Operating system: Windows 7/8/8.1 (64 bit)
CPU: i3/ i5/ i7 or equivalent
RAM: 4 GB or more
- ^ **KENSINGTON Expert Mouse Trackball****
- ^ **3D TV with 3D glasses**

** Trackball is necessary to set the elevation for professional project. Otherwise the stereoscopic view works with the mouse as well.*

please find all updated hardware requirement on www.menci.com (stereoCAD page) or write to support@menci.com

SOFTWARE VERSION

For trial purposes is available a remote license with dataset. Remote license includes all features. StereoCAD required internet connection (remote version). StereoCAD standard installation supports local hardware dongle or NET license.

MANAGEMENT

3D measurement
Accurate inspection and 3D navigation in stereoscopic view. An immersive roaming between infinite images
Draw 3D vectors with professional CAD tools
Manage of layers, line types, styles of point, line thickness
Manage an unlimited number of elaborated images
Import project from: APS, PhotoScan, PostFlight Terra 3D, and generic data
Import/Export of DWG, DXF and ShapeFile
Full screen inspection mode between stereo pair
Z elevation lock for contours lines drawing
3D point cloud data overview
Elevation management by trackball. You can choose the ground resolution

TOOLS

Advanced smart draw tools (with editable keyboard)
CAD editor with main functionalities
CAD document template
Command line
Manual DTM generation
Distance evaluation (Linear)
Area evaluation
Import control points from ASCII file
Residuals GCP evaluation
Report of residuals GCP evaluation
Manual camera passport data input
Batch image undistortion
Build of image internal orientations
Import of external orientations from ASCII file
Planimetric or plano-altimetric Osnap
Camera Position visualization



STEREOSCOPIC VIEW

Stereo mode: stereoscopic, 3D TV, anaglyphic and monoscopic
Stereo navigation mode: cartographic, full 3D, vertical plane
Lock current stereo pair
Exclude/restore stereo pair
Change current stereo pair in place
Select current stereo pair in place
Floating context fast menu

CAD

All common drawing commands (point, line, polyline, closed polyline, multiline, spline, rect, circle, ellipse, arc, text, elevation points, hatch, slopes, blocks, sheet layouts, polyline Pen up/down segments)
All common editing commands (erase an entity, copy an entity, copy entity's property, move, rotate, scale, mirror, extend, trim, join, offset, explode, break, add vertices)
3D orbiting
Common zoom and pan functions
Layers management and order
Point styles
Line styles
Text styles
OSnap edit
Cursor color

ADDITIONAL WINDOW

In StereoCAD you have always the possibility to customize the window by showing or hiding the following tools:
<ul style="list-style-type: none">• properties and format
<ul style="list-style-type: none">• command line
<ul style="list-style-type: none">• smart draw
<ul style="list-style-type: none">• navigation
<ul style="list-style-type: none">• measurement quality