### SOFTWARE FEATURES

#### MAIN FEATURES:
- Inspection
- Measure
- Draw 3D Vectors

#### CARATTERISTICHE FUNZIONALI

<table>
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<tr>
<th>ROAMING MODE</th>
<th>On the fly</th>
<th>Epipolar</th>
<th>Stereo Mosaic</th>
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<tr>
<td>NAVIGATION MODE</td>
<td>Cartografico</td>
<td>Piano Verticale</td>
<td>Full 3D</td>
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<tr>
<td>ROAMING MODE</td>
<td>Professionale</td>
<td>Easy, tv3D</td>
<td>Anaglifica</td>
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</table>

#### 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

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

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.

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td>Stereo mode</td>
<td>stereoscopic, 3D TV, anaglyphic and monoscopic</td>
</tr>
<tr>
<td>Stereo navigation mode</td>
<td>cartographic, full 3D, vertical plane</td>
</tr>
<tr>
<td>Lock current stereo pair</td>
<td></td>
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<tr>
<td>Exclude/restore stereo pair</td>
<td></td>
</tr>
<tr>
<td>Change current stereo pair in place</td>
<td></td>
</tr>
<tr>
<td>Select current stereo pair in place</td>
<td></td>
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<tr>
<td>Floating context fast menu</td>
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</table>

### CAD

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>All common drawing commands</td>
<td>point, line, polyline, closed polyline, multiline, spline, rect, circle, ellipse, arc, text, elevation points, hatch, slopes, blocks, sheet layouts, polyline Pen uo/down segments</td>
</tr>
<tr>
<td>All common editing commands</td>
<td>erase an entity, copy an entity, copy entity's property, come, rotate, scale, mirror, extend, trim, join, offset, explode, break, add vertices</td>
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<tr>
<td>3D orbiting</td>
<td></td>
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<tr>
<td>Common zoom and pan functions</td>
<td></td>
</tr>
<tr>
<td>Layers management and order</td>
<td></td>
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<tr>
<td>Point styles</td>
<td></td>
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<tr>
<td>Line styles</td>
<td></td>
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<tr>
<td>Text styles</td>
<td></td>
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<tr>
<td>OSnap edit</td>
<td></td>
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<tr>
<td>Cursor color</td>
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### ADDITIONAL WINDOW

In StereoCAD you have always the possibility to customize the window by showing or hiding the following tools:

- properties and format
- command line
- smart draw
- navigation
- measurement quality