



LiDAR360 MLS

V2.0-11/15/2022

****The software was renamed as LiDAR360 MLS****

In order to develop the software into a general terrestrial mobile laser scanning (MLS) point cloud processing software platform, the software name was replaced with LiDAR360MLS.

- New Construction
 - Support drag and drop point cloud to create a new project, and save as to the specified path
 - Support for importing original projects of LiFuser-BP and LiGeo
 - Supports point cloud and panoramic data entry software for more than 90% of mobile surveying devices on the market in formats such as Trimble MX9, Leica Pegasus, Orbit Pos, etc.
- Database
 - Support database for vector storage
 - Supports adding, deleting, modifying and querying layers in the database
- Basic Platform
 - Added point cloud and vector projection conversion function
 - Support point cloud format conversion
 - Support basic tools such as point cloud selection and cropping
 - Support vector data format conversion
 - Support category display 0-255 categories
 - Supports cross-sectional export of color orthophotos
 - Support for mobile measurement device travel direction arrows and default view settings
- Vector Editing
 - The right-click menu has been added to the movement function, which supports moving in a specified distance and direction



- Added arbitrary polygon, circle selection, ball selection, random selection, three-dimensional selection, and cylinder selection
- Added polygon combination and split functions
- Added one-to-many interrupt function
- Symbol library and callout labels
 - Added feature symbolization function
 - Support domestic standard road facility symbol library
 - Support for common symbol libraries
 - Support symbol number storage
 - Support to set symbols for collected point features
 - Support for modification of symbols
 - Added annotation function
 - Support for adding annotation layers
 - Support for adding annotations to independent objects
 - Support for adding annotations to object nodes and edges
 - Support 3D, elevation annotation
 - Support annotation style modification
 - Added layer label function
 - Support all layer properties for label display
 - Configurable styles for labels
 - Facilitate operations such as attribute entry
 - New vector line object direction display
- Road feature extraction module
 - Added the template extraction function of strip features
 - Added single segmentation function
 - Added individual editing function
 - Added single parameter extraction function
 - Added AI-based road surface marking recognition function
 - Added batch processing function for road surface marking recognition



- Added AI-based batch extraction of road facilities
- Point cloud classification
 - Support point cloud deep learning classification
 - Support polygon-based point cloud classification
 - Supports point cloud classification based on vector lines
 - Support air noise classification
 - Supports subsurface classification
 - Support above ground point classification
 - Support for separating lows
 - Support outlier classification
 - Support proximity point classification
 - Support ground point classification
 - Support classification by attribute
 - Support classify by cluster size
- Point cloud extraction
 - Support extraction by category
 - Support extraction by elevation
 - Support extraction by intensity
 - Support to extract by GPS time
 - Support extraction by echo times
- Planar camera browsing measurement
 - Added planar camera data and point cloud overlay browsing display
 - Added planar camera measurement
 - Added planar camera calibration
 - Added planar camera undistort
- Vehicle point cloud preprocessing
 - Support trajectory segmentation
 - Supports laser boresight
 - Support track quality check and repair



- Added control point correction function
- Added strip adjust
- Road Analysis Module
 - Added road damage detection function
 - Added headroom analysis function
 - Added visual field analysis function
 - Added road section analysis function
 - Added road cross section parameter extraction function

V1.2 - 23/07/2022

- Added Facade Measurement Module
 - Support vertical vertical
 - Support horizontal guide line drawing
 - Support range line drawing
 - Supports taking a section based on a reference/extent line and making adjustments
 - Support the drawing of the basic elements of the facade
 - Support for construction line drawing
 - Support array drawing
 - Support translation and rotation
 - Support for exporting DXF and orthophotos
 - Added shortcut key configuration function
 - Added layer manager function
 - Added combined display function
 - Added cross drawing and vertical drawing functions
 - Added capture module
- Optimization function
 - Optimize the drawing method of rectangular traffic signs



V1.1 - 10/03/2022

- Add data block module
 - Support track segmentation
 - Support area block node editing
 - Support region block merging
 - Support point cloud segmentation based on block
 - Support area block selective display
 - Support display and hide of area blocks and their labels
- Add more road feature template symbol library
 - Support all types of arrow reticle drawing
 - Support for manhole covers, parking spaces, and drainage grate to be drawn according to templates
 - Support traffic signs to be drawn according to templates
 - Support Chinese and English character drawing
 - Support non-motor vehicle signs, no U-turn signs are drawn according to the template
- Added template matching function
 - Supports automatic vectorization matching based on default templates
 - Supports custom feature templates and auto-vectorization or manual vectorization
- Added multi-type vector editing function
 - Support for modifying the shape of line features
 - Supports tracing other vectors when drawing vectors
 - Support point break line, line break line, line break surface
 - Support vector stickers
 - Precise selection when supporting vector glands
- Added attribute table calculation and predefined functions

- Added attribute batch filling function
- Added line feature length calculation function
- Added character replacement function
- Added node editing function
 - Support for individually modifying node coordinate values
 - Support batch modification of node Z value
- Add the function of modifying the project
- Added layer vector copy function
 - Supports copying of elements on the same layer
 - Support vector geometry copy between different layers

V1.0 - 10/09/2021

First version release of LiStreet