

CoProcess software
function introduction

Home module

- Massive point cloud browsing
- Scene Roaming
- Basic point cloud editing
 - Merging
 - Downsampling
 - Class convert
 - Point cloud segmentation
 - Clipping
- Point cloud slicing
 - Horizontal slicing
 - Vertial slicing
- Point cloud measurement and inspection
 - Point cloud measurement
 - Height inspection
 - Density analysis

The home module is mainly used for point cloud browsing, editing and inspection.

Terrain module

- One click DEM generation
- Multiple point cloud classifications
 - Ground point
 - Building
 - Vegetation
 - Low point
 - Isolate point
 - The source categories of filter supporting free
- Point cloud classification editing
 - Main-View classify
 - Profile editing
 - Export
- DEM generation, editing and inspection
- Contours and elevation points extraction and editing
- Buliding outline extraction and editing
 - Building outline semi-automatic extraction
 - Single building mode
 - Multiple building mode
 - Building outline editing
 - Building outline semi-automatic and quick editing
 - Facade correction
 - Building outline smoothing
 - Extending extraction
 - Arc outline extraction
 - Verticalize Processing
 - Manual editing
 - Vector line editing
 - Result export — Vector files in dxf format are generated
- Main scenes
 - Mountainous area
 - Hill area
 - Flat area
 - City area (road)
 - The villages and towns

The terrain module is mainly used for the generation of DEM, contours and elevation points, also the extraction of buliding outlines.

Road module

- Road parse
- Extraction and editing of vertical section and cross section
- Main scenes
 - Road survey and design
 - Road reconstruction and expansion

The road module is mainly used for extracting the vertical section and cross section of roads.

Extraction module

- Panoramic image viewing
- Road elements semi-automatic extraction
- Monomeric modeling
- Main scenes — Urban extraction and modeling

The extraction module is mainly used for road element extraction and urban modeling.

Volume module

- Single volume calculation
- Multi volume comparison
- Bench lines extraction and editing
- Main scenes
 - Open pit
 - Port and pier

The volume module is mainly used for volume calculation, volume comparison and bench line extraction.