GEOMATE
Premium Surveying. Trusted Solutions

COPRE
LIDAR PROCESSING SOFTWARE

FLAWLESS DATA PROCESSING FROM FIELD TO OFFICE

CoPre is an advanced software ecosystem developed by GEOMATE, designed to streamline the processing of mobile geospatial mapping data with speed and efficiency. It offers precise trajectory processing through a proprietary algorithm, along with comprehensive features such as point cloud and image georeferencing, point cloud colorization, and filtering. Additionally, CoPre supports the generation of digital ortho models (DOM) and 3D models, significantly enhancing post-processing accuracy.

As the core software for GEOMATE's LiDAR system series, CoPre is continuously updated with new features, enhanced functionalities, and powerful tools to meet evolving user needs.

SPECIFICATIONS

System Recommendations

Operating system	Microsoft Windows 7, 8, 10 ,11 (64-bit)
File system	NTFS

Hardware

Processor	Intel ® Core™ i7 (Minimum) Intel ® Core™ i9 (Recommend)
RAM	16 GB (Minimum) 32 GB or more 64 bit OS (Recommended)
Hard disk	500 GB SSD Drive (Minimum) 1 TB SSD Drive (Recommend)
Large project disk option	RAID 5, 6, or 10 w/ SATA or SAS drives
Graphics card	Nvidia GeForce 4 GB (Minimum) Nvidia GeForce 6 GB (Recommend)
Display	1024 × 768 (Minimum) 1920 × 1280 (Recommend)
Input	Keyboard, mouse with wheel

Software License

License type	Pemmanent SW registration code (optional) Time limited SW registration code USB dongle driver
SW upgrade	Online version check Manual install package

Supported Language

English

Russian

Chinese

Japanese

*Specifications are subject to change without notice.

Platform mode	Feature	Standard version	Airborne modeling module	Vehicle-mounted POS processing module
Airborne/Vehicle-mounted/Backpack	Data copy	√	×	×
Airborne/Vehicle-mounted/Backpack/Handheld SLAM	CS manager	√	×	×
Airborne/Vehicle-mounted/Backpack/Handheld SLAM	Point cloud data processing	√	×	×
Airborne/Vehicle-mounted/Backpack/Handheld SLAM	Picture georeferencing	√	×	×
Airborne/Vehicle-mounted/Backpack	Trajectory adjustment	√	×	×
Airborne/Vehicle-mounted/Backpack/Handheld SLAM	Control point refinement	√	×	×
Airborne/Vehicle-mounted/Backpack/Handheld SLAM	Data quality check (profile check / GCP check)	√	×	×
Airborne	DOM/AT	√	×	×
Airborne	Airborne 3D modeling	×	√	×
Airborne	Airborne POS processing	√	×	×
Vehicle-mounted/Backpack	Vehicle-mounted/ Backpack POS processing	×	×	√
Handheld SLAM	Point cloud view and and export	√	×	×
Handheld SLAM	One-click optimization	√	×	×
Handheld SLAM	Multi-station stitching	√	×	×
Handheld SLAM	Handheld SLAM 3D modeling	√	×	×

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