New Features in GeoCue 2020 Products

December 22, 2020

Important Note: This guide provides information only about changes from GeoCue 2017 to 2020. Please see the appropriate On-line Help for full information regarding the use of GeoCue products.

GeoCue Group, Inc.
9668 Madison Blvd.
Suite 202
Madison, AL 35758

+1-256-461-8289
www.geocuellc.com

NOTICES

The material in GeoCue documents is protected by United States Copyright laws.

You may make as many copies of this document for use internal to your company as you desire. Please do not distribute this document outside of your company without first discussing with us.

Trademarks, Service Marks

- *ESRI* is a trademark of Environmental Systems Research Institute
- *Windows* and *.NET* are trademarks of Microsoft Corporation
- *MicroStation* is a trademark of Bentley Systems Incorporated
- *TerraScan* is a trademark of Terrasolid Oy
- *ImageStation, OrthoPro and DMC are trademarks of Intergraph Corporation, a Hexagon company*
- GeoCue®, NIIRS10®, CuePac® are registered trademarks of GeoCue Group Inc.
- SOCET SET is a trademark of BAE Systems
- GPro/XPro are service marks of Hexagon Geospatial Solutions
- LYNX™ is a Trademark of Optech

Getting Help

This guide contains information about features new to Version 2014 of the GeoCue product family.

We are sure that you will experience different problems with GeoCue that range from installation issues to defects that made it through our testing undetected. We hope that you will immediately contact us with any problems or questions and have the patience to work with us through a successful GeoCue deployment.

Please contact us via email for assistance with or comments about GeoCue products.

email: **support@geocue.com**

Copyright 2020
GeoCue Group, Inc.

Contents

1 An Overview of GeoCue 2020 1
Enhancements 2
Bug Fixes 3

Copyright 2020
GeoCue Group, Inc.

1 An Overview of GeoCue 2020

GeoCue 2020 is the major GeoCue maintenance upgrade release for 2017. GeoCue has now been in heavy day-to-day production (in commercial release) for about 14 years. Many of the new features that have appeared in GeoCue are a direct result of the feedback that we received from our user base of GeoCue customers.

One significant new feature is the added support for the Terrasolid products in additional Bentley applications.

The highlights of the changes in GeoCue Version 2020 are described in the following sections with details provided in the help.

Copyright 2020
GeoCue Group, Inc.

Enhancements

- Added support for ITRF2014 (9211)
- Added support for NAVD88 (Geoid18) (9209)
- Added support for GDA2020 (7276)
- Added support for AHD – AUSGeoid2020 (7283)
- Added additional horizontal projections (7953)
- Added support for additional Bentley products for DirectDrive, Process in TerraScan and Run Macro. GeoCue now supports MicroStation CONNECT Edition, PowerDraft CONNECT Edition, OpenCities Map PowerView CONNECT Edition, OpenCities Map Enterprise CONNECT Edition and OpenRoads Designer CONNECT Edition (10479)
- Added support for TerraScan project Cloud Types. (10212)
- Added support for TerraScan projects that support Riegl Extra Bytes. (8800)
- Updated TerraSlave installation so that if available the 64-bit version will be used. (8900)
- Added support for Iowa Regional coordinate systems. (6958)
- Added option to select install location other than default C drive. (3737)
- Added option to specify trajectory layer when running TerraScan macro. (1263)
- Added Non-standard EXE location to Machine Properties so executables could be located anywhere on user's machine. Used by GeoCue to locate the TerraSlave.exe or TSlave.exe on a machine instead of a registry setting. (1172)
- Updated GeoCue to build LP360 pyramids using the installed LP360's LDPyramid. (10379)Added software version to LAS file header. (4042)
- Validates a machine has the necessary TSlave user preference file in order to be able to run TerraSlave and TSlave and reports if it is not configured (643)
- Added the ability to track the progress when Importing Control (1738)
- Added support for ArcGIS 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, and 10.8
- Added the ability to refresh the working segment layer list in DirectDrive (2484)
- Added more details to the system message for Update LAS Files (2999)
- Clarified instances of trajectory to be either sensor trajectory or TerraScan Trajectory (3768)
- Added csv file filter to the Renumbering Source Strip IDs tool (5174)
- Launching DirectDrive from the checklist strip now selects the appropriate layer(s) in the DirectDrive settings (5184)
- Added registry information for Python installed by GeoCue (5831)
- Added the version number to Database Manager (6505)
- Enabled Change Graphic Type to be distributable by default (10494)
- Added the capability to reset "in progress" archiving tasks (7329)
- Added support for running Search Tie Line and other such macros of TerraMatch or TerraPhoto functions through GeoCue (7599)
- Modified macro support for the new TerraSlave introduced in TerraScan v020.006 (9932)
- Updated the GPSTimeConverter for current leap seconds (10136)
- Added support for importing newer DXF formats, 2017 and 2019 (10489)

Copyright 2020
GeoCue Group, Inc.

Bug Fixes

- Updated the default Point Class List to be c:\\terra64. (10529}
- Fixed an issue where XtractBndry would fail to create a detailed footprint on large LAS files. (10471)
- Fixed an issue where symbology would not load unless you turned off and back on the map symbology. (5169)
- Fixed an issue where repopulated LAS working files do not get deleted or recreated when the existing files do not intersect with the updated sources. (4797)
- Fixed an issue where tiling working segments would fail when working with LAS file with small number of points. (4166)
- Fixed an issue where the Project Path was not being set when a project was created in LP360 EQC when using Direct Drive. (4061)
- Fixed an issue where SQL Server reported error during install when install was successful. (3846)
- Fixed an issue where appropriate coordinate system setting were not being set when auto creating layers. (3613)
- Fixed an issue with importing CSV control filters on CON extension. (3544)
- Fixed an issue with trajectory thinning option to limit to 1s samples. (9351)
- Fixed an issue with Direct Drive where flushing edit entities did not also flush imagery (2486)
- Fixed an issue where the coordinate system was not being recognized as being defined when creating trajectories. (2312)
- Fixed an issue that caused exported shapes from GeoCue to fail Geometry checks. (2253)
- Resolved an issue that would cause an exception during Stereo Edit if the LAS Layer has been deleted (110)
- Resolved an issue where the Quick Installer would fail to import the license file (3612)
- Resolved an issue where the transform between WGS84 and NAD_1983_2011 was not being auto selected (3613)
- Resolved an issue where the transform between WGS84 and NAD_1983_PA11 was not being auto selected (6432)
- Resolved an issue where the transform between WGS84 and NAD_1983_CSRS was not being auto selected (3845)
- Resolved an issue where the help documents would not get installed on the client machine (3785)
- Fixed logic on the TerraScan DirectDrive checklist to require a macro be assigned before the Run Macro step can be set in progress (3791)
- Removed the Google Earth Track button as it is no longer supported by Google (4154)
- Resolved an issue where the selected control points in the Z Probe report would not show selected in the map (4276)
- Resolved an issue where the Import LAS flight lines from the workflow guide would transition to complete as soon as the process starts (4575)
- Resolved an issue where a sensor trajectory GPS week rolled over, and the end starts before the beginning (4585)
- Resolved an issue where the Client would open despite the version or service pack not matching the server (4785)

Copyright 2020
GeoCue Group, Inc.

- Resolved an issue where changing the trajectory layer in the DirectDrive settings and apply the change would not reload the project in TerraScan (4787)
- Resolved an issue where renumbering source strips didn't catch when another strip in the project already had that number (5175)
- Resolved an issue that could cause a NULL reference exception in Entity Manager (5319)
- Resolved an issue where Assign Strip Number didn’t handle large IDs and erred with the wrong message (5359)
- Resolved an issue where the average density could be reported incorrectly (5955)
- Resolved an issue where moving a working segment entity would move the underlying files to the correct folder (6263)
- Resolved an issue where cancelling Update LAS distribution dialog leaves entities locked and closes the process (6510)
- Resolved an issue where updating LAS v1.2 to 1.3 doesn’t update the working segment properties (6513)
- Resolved an issue where LAS v1.2 were getting an incorrect EPSG code for UTM zones (6514)
- Resolved an issue where LAS v1.2 were getting an incorrect EPSG code for SPCS (2011) zones (6726)
- Resolved an issue where attaching an image in raster manager causes subsequent design files to open read only (6578)
- Resolved and issue where Socket GXP reads CRS as local spatial reference or geographic causing a data offset (6599)
- Resolved an issue that would cause an error installing PointVue on Windows Server 2016 (6827)
- Resolved an issue where the orthorectified images and mosaic products produced using the GeoCue RapidOrtho (DSS) CuePac are being tagged with the wrong datum (6944)
- Resolved an issue where modifying the sub-task priority would not be respected (7037)
- Resolved an issue where caches would not be properly marked by Process in LP360 and DirectDrive LP360 (7060)
- Resolved issues with passing referenced rasters in DirectDrive and Process in TerraScan to MicroStation CONNECT Edition Raster Manager (7345 and 7346)
- Resolved an issue that would cause a "No Matching Sensor Trajectory data Found" when time and location are correct/matching (7382)
- Resolved an issue that could cause random population failures under higher loads (8819)
- Resolved an issue where the Classification Lookup VLR was not being written correctly (7757)
- Resolved an issue where the EPSG codes for NAVD88 international feet vertical datums were missing (7933)
- Resolved an issue where “Set LAS Adjustment Params” didn’t hold the parameters (8248)
- Resolved an issue where GeoCue would err with sensor trajectory files over 2GB (8839)
- Resolved an issue where Import Lidar could corrupt the Point Source ID (8884)
- Resolved an issue where importing a shapefile doesn't ask for the name attribute until you back up from the end of the wizard (10488)
- Resolved an issue where Import from CAD wizard crashes GeoCue if it doesn't recognize the DXF version (10490)

Copyright 2020
GeoCue Group, Inc.