DJI Terra Release Notes

Version Number: 4.4.6

Update Details

What's Updated

- Optimized the stability of LiDAR Point Cloud processing tasks.

What's Fixed

- Fixed the issue of inaccurate color rendering after modifying the base station center point in LiDAR Point Cloud tasks.
- Fixed the occasional issue of inaccurate color rendering when Smooth Point Cloud is enabled in LiDAR Point Cloud tasks.

Notes

- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2025-02-21

Version Number: 4.4.0

Update Details

What's New

- Adds support for visible light reconstruction for the DJI Matrice 4 series aircraft.
- Adds support for importing D-RTK 3 base station data for PPK processing of photos collected by the DJI Matrice 4 series aircraft.
- Adds support for annual subscription to DJI Terra in countries such as the United States,

Italy, Germany, the United Kingdom, France, Denmark, Poland, Switzerland, Spain, the Czech Republic, Portugal, Hungary, Croatia, and the Netherlands.

- Adds support for the reconstruction of 2D maps from LiDAR point cloud reconstruction tasks and generation of DSM and DOM results.
- Adds support for the generation of 3D mesh models from LiDAR point cloud reconstruction task in point cloud processing scenarios.
- Adds support for setting point cloud density for visible light reconstruction tasks. When the point cloud density is set to high, point cloud density is approximately 20 times that of version v4.2.0.

What's Updated

- Optimized the effect of reconstructing 2D maps from photos collected by the DJI Matrice 4 series aircraft when Smart Oblique is enabled.
- Optimized the smoothing effect of point clouds in LiDAR point cloud reconstruction tasks. When the imported data includes photos collected by LiDAR, the photos will be used to significantly enhance point cloud accuracy.
- Optimized the color of semantic recognition results in agricultural application scenarios to better distinguish between results.

What's Fixed

- Fixed the issue where camera POS occasionally could not be displayed after 3D reconstruction.

Notes

- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2025-01-08

Version Number: 4.3.0

Update Details

What's New

- Adds support to display flight trajectories of tasks performed by Zenmuse L2.
- Adds support to import 3D mesh models to DJI Modify for model editing. Mesh models should be generated by DJI Terra v3.5.0 or later version.
- Users can now select XML in Aerotriangulation > Output Format to restart reconstruction after visible light reconstruction mission is completed.

What's Updated

- Optimized reconstruction algorithms to improve reconstruction success rate.
- Optimized substation reconstruction effects of LiDAR point cloud mission. Small objects can now be separated more accurately, and reconstruction output will be more complete.
- Optimized visible light point cloud quality, reduced noise, and increased point cloud density to 3/2 that of v4.2.0.
- Optimized point cloud display effects and uniformed point cloud density.
- Reduced points on contour line and file size to 1/8 of the same file in v4.2.0.
- Optimized Take Photo (Fixed Angle) action accuracy in detailed inspection tasks performed by Matrice 30, Matrice 30T, DJI Mavic 3T, and DJI Mavic 3E.

Notes

- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

- **The display of flight trajectories is only supported when using the latest firmware of Zenmuse L2 to perform non-Power Line Follow tasks and non-manual tasks.**

Updated On: 2024-10-24

Version Number: 4.2.13

Update Details

What's Fixed

- Fixed the occasional issue where progress bar was stuck during reconstruction.

Updated On: 2024-10-15

Version Number: 4.2.10

Update Details

What's Updated

- Optimized reconstruction algorithms to improve reconstruction success rate.

Notes

- **For DJI Terra v3.9.0 and later, users must use a computer with an NVIDIA graphics card to use paid functions.**
- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-09-26

Version Number: 4.2.5

Update Details What's

Updated

- Optimized log information.
- Adds support to not show questionnaire to new users again.

Notes

- **For DJI Terra v3.9.0 and later, users must use a computer with an NVIDIA graphics card to use paid functions.**
- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-08-21

Version Number: 4.2.3

Update Details What's

Fixed

- Fixed the issue where users cannot set point cloud density in LiDAR point cloud reconstruction task when no license is found.

Notes

- **For DJI Terra v3.9.0 and later, users must use a computer with an NVIDIA graphics card to use paid functions.**
- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-08-07

Version Number: 4.2.2

Update Details What's

Fixed

- Fixed the issue where the LiDAR point cloud reconstruction task fails after upgrading the NVIDIA graphics card driver to version 560.70 – WHQL.

Notes

- **For DJI Terra v3.9.0 and later, users must use a computer with an NVIDIA graphics card to use paid functions.**
- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-07-30

Version Number: 4.2.0

Update Details What's

New

- Supports integrating and reconstructing point cloud data and visible light photos collected from Zenmuse L2 into 3D mesh models (only available for Substation Reconstruction). The generated mesh model is more complete and detailed, which meets the reconstruction requirements for power line scenarios.
- The Ground Point Classification feature allows users to classify point cloud output from visible light reconstruction missions. The generated output can be DEM, grid of points, TIN, and contour lines.

- Adds the Bug Report feature. This feature is in the testing phase and is available for paid users using DJI Terra Pro/Electricity/Cluster version in mainland China. This feature is not available for free licenses or offline licenses.
- Supports certain vertical coordinate systems for Korea and the United States.

What's Fixed

- Fixed the issue where the flight route cannot be performed because the distance between waypoints is lower than 1 m after users manually adjust a waypoint in Agricultural Applications.
- Fixed the unit error issue in the quality report when the imperial unit is used for the coordinate system of the reconstruction output.
- Fixed the abnormal scale issue after scaling the grid lines in the profile function of the LiDAR point cloud reconstruction mission.
- What's Updated
- Optimized the effects of Smooth Point Cloud in the LiDAR point cloud mission. More details of point clouds will be saved.
- Optimized the LiDAR calibration effects, which supports correcting larger errors of extrinsic parameters.
- Optimized the color rendering effects. Color rendering is more accurate and clearer after the 3D mesh model function is enabled.

Notes

- **For DJI Terra v3.9.0 and later, users must use a computer with an NVIDIA graphics card to use paid functions.**
- **For DJI Terra v4.0.0 and later, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-07-24

Version Number: 4.1.0

Update Details What's

Updated

- Optimized reconstruction algorithms to improve reconstruction success rate.

Notes

- **For DJI Terra v3.8 and later versions, when using the free trial license and Education license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum size of imported files cannot exceed 8 GB.**
- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- **For DJI Terra v4.0.0 and later versions, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
    - **For DJI Terra v4.0.0 and later versions, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-05-30

Version Number: 4.0.10

Update Details

What's Fixed

- Fixed the issue of being unable to upload the flight route after editing the planned fields in the Fruit Tree mode on Terra v4.0.0.
- Fixed the issue of ineffectiveness in modifying the base station center point data in the LiDAR Point Cloud Mission on Terra v4.0.8.

Notes

- **For DJI Terra v3.8 and later versions, when using the free trial license and Education license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum size of imported files cannot exceed 8 GB.**
- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- **For DJI Terra v4.0.0 and later versions, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later versions, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-03-28

Version Number: 4.0.8

Update Details

What's New

- Supports unbinding licenses by users.
- Adds access to FAQ, tutorials, and DJI Support on Help Center.
- Supports certain vertical coordinate systems for Germany and Mexico.

What's Fixed

- Fixed the decreased efficiency issue for LiDAR point cloud reconstruction on Terra v4.0.0.
- Fixed the issue where users cannot use aerotriangulation output from Terra v3.9.0 to perform 3D reconstruction on Terra v4.0.0.

Notes

- **For DJI Terra v3.8 and later versions, when using the free trial license and Education license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum size of imported files cannot exceed 8 GB.**

- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- **For DJI Terra v4.0.0 and later versions, it is recommended to use an NVIDIA graphics card (4 GB) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later versions, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024-03-14

Version Number: 4.0.1

Update Details What's

Fixed

- Fixed the occasional issue where license authorization error occurs on v4.0.0.

Notes

- **For DJI Terra v3.8 and later versions, when using the free trial license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum imported files cannot exceed 8 GB.**
- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- **For DJI Terra v4.0.0 and later versions, it is recommended to use NVIDIA graphics cards (4 GB memory) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later versions, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024- 01- 19

Version Number: 4.0.0

Update Details

What's New

- Supports generating contour lines for LiDAR point cloud reconstruction mission.
- Supports Measurement and Gridlines for the Profile function of LiDAR point cloud reconstruction mission.
- Supports adjusting Point Cloud Effective Distance Range for LiDAR point cloud reconstruction mission.
- Supports adding and deleting waypoints for Fruit Tree scenario in visible light reconstruction mission.
- Supports uploading 2D reconstruction output to DJI Agras Management Platform or export to DJI Agras app for Fruit Tree scenario in visible light reconstruction mission.
- Supports enabling Work with DJI Modify for 3D reconstruction in visible light reconstruction mission.
- Supports selecting whether to generate tie points in aerotriangulation XML output in visible light reconstruction mission.

What's Updated

- Optimized the memory occupation for LiDAR point cloud reconstruction mission. 64 GB available memory can process data collected by 15 flights. If original file is about 120 GB and original point cloud size is about 60 GB, the point cloud reconstruction efficiency can be improved by about 3 times compared with v3.9.4.
- Optimized the noise reduction effects in LiDAR point cloud reconstruction mission, which reduces aggregated noises that occasionally exist in reconstruction output under complex scenarios.

What's Fixed

- Fixed occasional issue where users cannot enter the Profile function when scaling point cloud model on v3.8.0
- Fixed the issue where log file size is too big when performing LiDAR reconstruction on

v3.9.4.

- Fixed the low reconstruction efficiency issue when enabling multiple worker devices on the same computer for cluster computation in visible light reconstruction mission on v3.9.0.

Notes

- **For DJI Terra v3.8 and later versions, when using the free trial license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum imported files cannot exceed 8 GB.**
- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- **For DJI Terra v4.0.0 and later versions, it is recommended to use NVIDIA graphics cards (4 GB memory) with a computing power of 6.1 or above.**
- **For DJI Terra v4.0.0 and later versions, the online license will no longer be valid after DJI Terra is offline for 3 days.**

Updated On: 2024- 01- 18

Version: 3.9.4

Update Details

What's Updated

- The smooth Point Cloud function for LiDAR Point Cloud Mission is disabled by default.

Notes

- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed, and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **For DJI Terra v3.8 and later versions, when using the free trial license from the official website and performing charged functions in LiDAR point cloud reconstruction, the**

maximum size of imported files cannot exceed 8 GB.

- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- **PPK Calculation function for LiDAR point cloud mission is only available when device is connected to network. Perform PPK Calculation within 3 months after data collection.**
- **In LiDAR Point Cloud Mission, it is not recommended to enable Smooth Point Cloud if users need to preserve the characteristics of small elevation changes (< 5 cm) on the surface of objects.**

Updated On: 2023- 11- 16

Version: 3.9.3

Update Details

What's Fixed

- Fixed the issue where reconstruction occasionally fails in LiDAR Point Cloud Mission.
- Fixed the issue where camera POS cannot be viewed when entering the GCP Management page before fixing aerotriangulation.

Notes

- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed, and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **For DJI Terra v3.8 and later versions, when using the free trial license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum size of imported files cannot exceed 8 GB.**
- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**

- **PPK Calculation function for LiDAR point cloud mission is only available when device is connected to network. Perform PPK Calculation within 3 months after data collection.**

Updated On: 2023- 11- 02

Version: 3.9.2

Update Details

What's New

- Supports adjusting waypoint altitude of 3D flight route generated in Agricultural Application for fruit tree scenes.
- Suppports viewing output profile for LiDAR point cloud reconstruction mission.

What's Fixed

- Fixed the missing output issue resulting from not reading the LDR~1 files in original data for LiDAR point cloud mission on DJI Terra v3.9.0.

Notes

- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed, and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **For DJI Terra v3.8 and later versions, when using the free trial license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum size of imported files cannot exceed 8 GB.**
- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- **PPK Calculation function for LiDAR point cloud mission is only available when device is connected to network. Perform PPK Calculation within 3 months after data collection.**

Updated On: 2023- 10- 24

Version: 3.9.0

Update Details

What's New

- Supports processing data collected by Zenmuse L2.
- Supports enabling PPK calculation function (only supports data collected by Zenmuse L2 in mainland China).
- Supports calibrating Zenmuse L2. The option of Zenmuse L1 Calibration is updated to LiDAR Calibration. LiDAR Calibration can calibrate both Zenmuse L1 and L2.
- Supports importing altitude control points for LiDAR point cloud reconstruction mission. Accuracy Check is updated to Accuracy Control and Check.
- Supports exporting XML files containing tie points and images with POS data for visible light reconstruction mission. The XML files can be imported to third-party software for 2D/3D reconstruction.
- DJI Terra Quality Report for LiDAR Point Cloud Processing releases a new version and supports outputting flight parameters, IMU Trajectory Error, Check Point RMSE, and other parameters.

What's Updated

- Optimized the Smooth Point Cloud function. Point cloud density will be reduced to about 1/3 of the v3.8 version after enabling this function.

What's Fixed

- Fixed the issue where reconstruction effect is poor or error message (1005) is displayed when there are image data from multiple cameras or in different resolutions in a folder because camera parameters are not configured by users.
- Fixed the issue where annotation and measurement function is unavailable when there is no output for the LiDAR point cloud reconstruction mission on DJI Terra v3.8.

Notes

- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed, and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **For DJI Terra v3.8 and later versions, when using the free trial license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum size of imported files cannot exceed 8 GB.**
- **For DJI Terra v3.9 and later versions, users must use computer device with NVIDIA graphics card to obtain the license.**
- PPK Calculation function for LiDAR point cloud mission is only available when device is connected to network. Perform PPK Calculation within 3 months after data collection.
- When importing altitude control points for LiDAR point cloud mission, the output coordinate system and vertical coordinate system should be set to default.
- When exporting tie points in aerotriangulation (exported XML files containing complete aerotriangulation information) for visible light reconstruction mission, data can be exported to local coordinate system (such as Local ENU) or projected coordinate system (such as WGS84 UTM zone 49N).

Updated On: 2023- 10- 10

Version Number: 3.8.0

Update Details

What's New

- Supports generating DEM for LiDAR point cloud reconstruction.
- Updates the workflow for cluster reconstruction. Supports enabling

multiple worker devices on the same computer. Supports adding and deleting worker devices automatically. More information of worker devices can be displayed.

- Cluster output file directory can be set to DOS directory of network drive (File needs to be shared and can be accessed by worker devices). Example: Z: \DJI\Terra.
- Updates the layout of Quality Report for LiDAR Point Cloud.
- Adds Help Center to redirect users to access the DJI Terra webpage for downloading product manuals.

What's Updated

- Optimized the accuracy for the Optimize Point Cloud Accuracy function.
- The Restricted Zone can be disabled by default.
- Added support to set gimbal tilt angle over 30 degrees for Detailed Inspection mission using DJI Matrice 300 RTK.

What's Fixed

- Fixed the layout display error for the exported PDF file of Quality Report.
- Fixed the screen lagging issue when clicking Optimize on the GCP Management page.
- Fixed the issue where network connection error occasionally occurs when entering the GCP Management or ROI page.

Notes

- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **It is recommended to use NVIDIA graphics card with GPU compute capability of 5.0 or above for DJI Terra v3.7.0 and later versions.**

- **For DJI Terra v3.8 and later versions, when using the free trial license from the official website and performing charged functions in LiDAR point cloud reconstruction, the maximum imported files cannot exceed 8 GB.**

Updated On: 2023- 08-17

Version Number: 3.7.6

Update Details

What's Fixed

- Fixed the issue where multispectral reconstruction output is abnormal for some languages on the Windows operating system.

Notes

- **DJI Terra updates reconstruction algorithm from v3.4.0. If your Terra version is earlier than v3.4.0, upgrade the driver of the NVIDIA graphics card of the computer to 452.39 or later in time to ensure the reconstruction function works properly. Refer to "DJI Terra NVIDIA Graphics Card Driver Review and Upgrade Guide" for instructions.**
- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **If corrupted file is prompted or no response when installing v3.7.6 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message "This file came from another computer and might be blocked to help protect this computer" at the bottom of the window. Select Unblock and then click Apply > OK.**
- **It is recommended to use NVIDIA graphics card with GPU compute capability of 5.0 or above for DJI Terra v3.7.0 and later versions.**

Updated On: 2023- 07- 06

Version Number: 3.7.3

Update Details

What's Fixed

- Fixed the occasional issue where the Windows 7 Operating System gets stuck when the reconstruction progress reaches 100% for DJI Terra v3.7.0.
- Fixed the issue where blue light results are missing when performing reconstruction with DJI Phantom 4 Multispectral for DJI Terra v3.7.0.
- Fixed the issue where the Reconstruction Accuracy field cannot be fully displayed in the quality report for DJI Terra v3.7.0.
- Fixed the issue where reconstruction failed when Refine Water Surface is enabled in Cluster Reconstruction and users want to set resolution to low or medium.
- Fixed the issue where the current unexpired license is unavailable when there is an expired license supporting more functions for DJI Terra v3.7.0.

Notes

- **DJI Terra updates reconstruction algorithm from v3.4.0. If your Terra version is earlier than v3.4.0, upgrade the driver of the NVIDIA graphics card of the computer to 452.39 or later in time to ensure the reconstruction function works properly. Refer to "DJI Terra NVIDIA Graphics Card Driver Review and Upgrade Guide" for instructions.**
- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**

- **If corrupted file is prompted or no response when installing v3.7.3 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message "This file came from another computer and might be blocked to help protect this computer" at the bottom of the window. Select Unblock and then click Apply > OK.**
- **It is recommended to use NVIDIA graphics card with GPU compute capability of 5.0 or above for DJI Terra v3.7.0 and later versions.**

Updated On: 2023- 06- 15

Version Number: 3.7.0

Update Details

What's New

- DJI Terra Quality Report for Aerotriangulation, 2D Reconstruction, and 3D Reconstruction releases a new version and supports outputting parameters such as Projections, GCP Reprojection Error RMS, and Forward Intersection Error. The Quality Report can be directly exported in PDF format.
- Adds the Auto Align Blocks function for 3D Reconstruction to solve the problem that the block boundaries cannot be aligned when splicing models.
- Adds the Auto Identify Mark function in GCP Management. DJI Terra will automatically identify marks of other photos based on the first mark users manually add and display warning icon on photos with large reprojection error.
- Supports browsing and setting Ground Point Type for LAS and PNTS output in LiDAR Point Cloud Reconstruction missions.
- Supports the reducing model function to reduce model with high resolution to 50% by default. This function does not apply to model with medium or low resolution. Enabling this feature will reduce model triangles to a set proportion. Reconstruction output will be reduced to facilitate browsing model online,

editing model, and other downstream operations.

- Supports generating camera POS residuals in the Report folder under the project file. The default name of the file is "POS_residual_of_camera.csv".
- Supports Korean height system KNGeoid18.
- Supports Italian.

What's Updated

- Optimized stability and increased response speed for cluster reconstruction in scenarios such as big data reconstruction, worker device management, and reconstruction queue adjustment.
- Updated Urban to Mapping scenarios in Visible Light Reconstruction.
- Optimized the support for NVIDIA graphics card of GeForce RTX 40 series.
- Optimized aerotriangulation algorithm to increase the proportion of calibrated images.

What's Fixed

- Fixed occasional issue where worker device is disconnected and mission progress gets stuck in Cluster Reconstruction.
- Fixed the occasional issue where Apply is unavailable after resetting the status of worker device in Cluster Reconstruction.
- Fixed the occasional issue where the number of worker devices under the same control device is inconsistent in two searches.
- Fixed the issue where the displayed status of a worker device is inconsistent for different control devices.
- Fixed the issue where the GSD and scale on the multispectral reconstruction output view is inconsistent with those in the quality report.
- Fixed the abnormal display issue on the UI when performing annotation and measurement on Restricted Zone on the map.
- Fixed the issue where the flight speed of DJI Mavic 3 Enterprise series cannot be set to 15 m/s for Detailed Inspection missions.

Notes

- **DJI Terra updates reconstruction algorithm from v3.4.0. If your Terra version is earlier than v3.4.0, upgrade the driver of the NVIDIA graphics card of the computer to 452.39 or later in time to ensure the reconstruction function works properly. Refer to "DJI Terra NVIDIA Graphics Card Driver Review and Upgrade Guide" for instructions.**
- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **If corrupted file is prompted or no response when installing v3.7.0 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message "This file came from another computer and might be blocked to help protect this computer" at the bottom of the window. Select Unblock and then click Apply > OK.**
- **The free trial applied from the official website cannot be used offline for DJI Terra v3.7.0 and later versions and is only available using the latest version of software.**
- **It is recommended to use NVIDIA graphics card with GPU compute capability of 5.0 or above for DJI Terra v3.7.0 and later versions.**
- After enabling the reducing model feature, DJI Terra will preserve model accuracy to the maximum extent but still lose the fineness of certain details. For nap-of-the-object photogrammetry missions which require a higher degree of restoring details, it is recommended to disable the reducing model feature or set the parameter value higher than 80%.If the parameter value is lower than 20%, there is a certain probability of adding texture to tiles incorrectly for some flat areas.
- In LiDAR Point Cloud missions, enabling Ground Point Type, Smooth Point Cloud, or Optimize Point Cloud Accuracy will make the reconstruction time longer.
- Smooth Point Cloud function is enabled by default in LiDAR Point Cloud Reconstruction for DJI Terra v3.7 and later versions.
- Completing aerotriangulation calculation is required before using Auto Identify Mark in Visible

Light Reconstruction.

Updated On: 2023- 05- 25

Version: 3.6.8

Update Details

What's Fixed

- Fixed issue where reconstruction fails due to the “nvinfer.dll” file is mistakenly deleted by certain antivirus software for v3.6.7.

【Notes】

- DJI Terra updates reconstruction algorithm from v3.4.0. If your Terra version is earlier than v3.4.0, upgrade the driver of the NVIDIA graphics card of the computer to 452.39 or later in time to ensure the reconstruction function works properly. Refer to "DJI Terra NVIDIA Graphics Card Driver Review and Upgrade Guide" for instructions.
- Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.
- If corrupted file is prompted or no response when installing v3.6.8 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message "This file came from another computer and might be blocked to help protect this computer" at the bottom of the window. Select Unblock and then click Apply > OK.
- For v3.6.0 and later versions, distortion corrected images will not copy to aerotriangulation output directory when generating XML files after aerotriangulation computation（XXXX\AT\undistort）.

Updated On: 2023-03-31

Version: 3.6.7

Update Details

What's Fixed

- Fixed issue where map loading fails when map source is set to Tianditu.

【Notes】

- Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 or later versions cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.
- DJI Terra updates reconstruction algorithm from v3.4.0. If your Terra version is earlier than v3.4.0, upgrade the driver of the NVIDIA graphics card of the computer to 452.39 or later in time to ensure the reconstruction function works properly. Refer to "DJI Terra NVIDIA Graphics Card Driver Review and Upgrade Guide" for instructions.
- If corrupted file is prompted or no response when installing v3.6.7 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message "This file came from another computer and might be blocked to help protect this computer" at the bottom of the window. Select Unblock and then click Apply > OK.
- For v3.6.0 and later versions, distortion corrected images will not copy to aerotriangulation output directory when generating XML files after aerotriangulation computation（XXXX\AT\undistort）.

Updated On: 2023-03-01

Version: 3.6.6

Update Details

What's New

- Adds support to clear tree crown results in Agricultural Application.

What's Updated

- Optimized the selection logic for file folders in Camera Info.
- Optimized the transition smoothness of single band for the multispectral reconstruction output.
- Optimized the rules to support generating prescription maps for non-field semantic areas.
- Optimized the extended flight route at turning points in Agricultural Application.
- Optimized the stability for 2D, 3D, and LiDAR point cloud reconstruction.

What's Fixed

- Fixed reconstruction errors caused by inaccurate memory estimation for 2D and 3D reconstruction.
- Fixed issue where flight route will cross field boundaries when planning hollow fields in Fruit Tree or Tree Crown mode.
- Fixed issue where "Reconstruction error (1005)" or "Reconstruction error (6001)" will display if users enable Light Uniformity in 2D reconstruction and then perform 3D reconstruction.
- Fixed issue where data is not fully displayed when defining data column if users import less than 5 check points in Accuracy Check.
- Fixed occasional issue where a notification window keeps popping up to remind users to renew license even if "Do not show again" has already been selected in v3.4.4.
- Fixed issue where checkpoint function is unavailable when Optimize Point Cloud Accuracy is enabled and reconstruction output is cleared in LiDAR point cloud reconstruction missions.
- Fixed issue where default coordinate system is incorrectly set when using data from multiple base stations in LiDAR point cloud reconstruction missions.
- Fixed issue where map search function is abnormal when map source is set to Google Maps.

【Notes】

- Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on Terra v3.5.0, v3.6.0 and v3.6.6 cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.

- DJI Terra updates reconstruction algorithm from v3.4.0. If your Terra version is earlier than v3.4.0, upgrade the driver of the NVIDIA graphics card of the computer to 452.39 or later in time to ensure the reconstruction function works properly. Refer to "DJI Terra NVIDIA Graphics Card Driver Review and Upgrade Guide" for instructions.
- If corrupted file is prompted or no response when installing v3.6.6 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message "This file came from another computer and might be blocked to help protect this computer" at the bottom of the window. Select Unblock and then click Apply > OK.
- For v3.6.0 and later versions, distortion corrected images will not copy to aerotriangulation output directory when generating XML files after aerotriangulation computation. (XXXX\AT\undistort)

Updated On: 2023-01-05

Version: 3.6.0

Update Details

What's New

- Visible light reconstruction supports inputting intrinsic camera parameters to adapt to third-party cameras.
- Supports pre-setting or fixing intrinsic camera parameters to fix the issue where reconstruction output is poor due to inaccurate intrinsic camera parameters.
- Supports Smooth Point Cloud function to improve LiDAR point cloud extraction effects when point cloud is too thick.
- Supports Accuracy Check in LiDAR Point Cloud Mission. After users import a checkpoint file, a quality report is automatically generated to check point cloud output accuracy.
- Supports using physical distance for sampling on point cloud density in LiDAR Point Cloud Mission.
- Supports setting "Distance to Ground/Subjects" in standalone reconstruction.

- Supports selecting geoid file for vertical coordinate system NAVD88 (ft) or NAVD88 (ftUS).

What's Updated

- Increased standalone computation efficiency by 10% for 2D reconstruction compared with v3.5.5 version.
- Optimized reconstruction effects for water surfaces, which has reduced missed or inaccurate identification and improved identification for water reflections (For example, hole may exist in the reconstruction output when using an earlier software version).
- Split the setting "Light Uniformity/Haze Reduction" to "Light Uniformity" and "Haze Reduction".
- Optimized the display issue for the EPSG hover message when selecting a geoid file in Vertical Datum Settings.
- Optimized size of 2D tiles by compressing them to one third of the original size.
- Optimized the color consistency of the 2D reconstruction output when using data source with large light differences.
- Optimized user experiences for Windows 11 (64-bit) operating system.
- Optimized the stability for real-time reconstruction and the consistency for reconstruction accuracy and color.
- Optimized the reconstruction speed for LiDAR Point Cloud missions under certain output coordinate systems.
- Optimized file directory for the cluster reconstruction. For v3.6.0 and later versions, files used for cluster computation cannot be saved locally and must be saved to the shared directory which is accessible to all worker devices (using network path recommended. Example: \\192.168.0.2\terra). In this way, Terra doesn't need to copy reconstruction files to shared directory and copy distortion corrected images and reconstruction output to the computer, which saves time consumed by copying files during cluster reconstruction.

What's Fixed

- Fixed the display issue where names of visible light and multispectral photos are too long.

- Fixed the issue where measurement point will automatically move to other location when marking it in 3D Model.
- Fixed the issue where photo data cannot be imported to DJI Terra when creating a new mission as Terra is open and not closed for a long time.

【Notes】

- Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on Terra v3.5.0 and v3.6.0 cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.
- DJI Terra updates reconstruction algorithm from v3.4. If your Terra version is earlier than v3.4, upgrade the driver of the NVIDIA graphics card of the computer to 452.39 or later in time to ensure the reconstruction function works properly. Refer to "DJI Terra NVIDIA Graphics Card Driver Review and Upgrade Guide" for instructions.
- If corrupted file is prompted or no response when installing v3.6.0 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message "This file came from another computer and might be blocked to help protect this computer" at the bottom of the window. Select Unblock and then click Apply > OK.
- After planning flight route with DJI Terra, users can only export KMZ files to DJI Pilot when using DJI Matrice 30 Series or Mavic 3 Enterprise Series aircraft to perform detailed inspection missions.
- For v3.6.0 and later versions, distortion corrected images will not copy to aerotriangulation output directory when generating XML files after aerotriangulation computation. V3.6.0 (XXXX\AT\ undistort)

[Supported Aircraft - Flight Route Planning]

- Matrice 30 Series (only used for detailed inspection missions)
- DJI Mavic 3 Enterprise Series (only used for detailed inspection missions)

Updated On: 2022-11-10

Version: 3.5.5

Update details

【Optimization】

- Optimized the accuracy of aerotriangulation and GCP position prediction when vertical coordinate system of GCP is set to Yellow Sea 1985 height and Constrain with Image POS Data is enabled.

【Fixes】

- Fixed issue where 3D reconstruction fails after customizing side length for block splitting in arbitrary coordinate system.
- Fixed issue where map search function is unavailable when map source is set to Tianditu.
- Fixed issue where importing KML to ROI fails when using KML files generated from LocaSpace Viewer.
- Fixed issue where progress stays at 100% for a long time when using a great amount of data and selecting XML for aerotriangulation computation.
- Fixed issue where start and end points of block display incorrectly after customizing side length for block splitting in arbitrary coordinate system.

【Note】

- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **v3.5.0 and v3.4.0 involve the reconstruction algorithm upgrade, which requires upgrading the driver version of the NVIDIA graphics card of the computer device to v452.39 or above. Please upgrade in time to ensure the normal use of the reconstruction function. For details, please refer to NVIDIA Graphics Card Driver Upgrade Guide.**

- **If corrupted file is prompted or no response when installing v3.5.0 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message " This file came from another computer and might be blocked to help protect this computer " at the bottom of the window. Select Unblock and then click Apply > OK.**
- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2022- 09- 01

Version: 3.5.0

Update details

【New】

- Adds Seven-Parameter Transformation function to calculate and transform the coordinates from one coordinate system into another (Importing files for calculation supported).
- Adds Refine Water Surface function to refine water surfaces for 3D Reconstruction.
- Adds Merged Output option to merge output results in PLY, LAS, or PCD format for point cloud reconstruction.
- Adds support to export logs after reconstruction fails.
- Adds support to select vertical coordinate systems and horizontal coordinate systems for Japan, the United States, Germany, and Denmark. Selecting and importing geoid files are available when selecting a vertical coordinate system.

【Optimization】

- Adds support to display block count and names for Auto and Custom Size block splitting options.
- Adds troubleshooting instructions to optimize reconstruction error prompts.
- Adds warnings to the quality report of LiDAR point cloud missions to explain possible reasons for low accuracy or missing point clouds.

【Fixes】

- Fixed the problem that the accuracy of LiDAR point cloud task decreases after opening point cloud accuracy optimization.
- Fixed issue where reconstruction fails when reconstructing agriculture missions on Japanese Windows operating system.
- Fixed the issue where flight route waypoint check fails when changing KML or point cloud in detailed inspection mission.
- Fixed the problem of high memory consumption for 2D reconstruction of data with camera angle less than 35° in vertical direction.
- Fixed the problem that when dragging the aerotriangulation results downward in the ROI area interface with the angle of positive view, the results will be enlarged and the ROI area will disappear.

- Fixed the problem that when the length unit was switched to imperial, the unit of distance to ground/subjects does not become imperial.
- Fixed the problem of partial loss of results after multispectral task breakpoint construction.
- Fixed the problem that cluster 3D models may not be loaded.
- Fixed issue where S3MB format files cannot be properly displayed after importing to SuperMap.
- Fixed issue where content preview cannot be updated upon dragging after importing POS files.

【Note】

- **Reconstruction results generated using the Seven-Parameter Transformation function and coordinate systems of newly supported countries on v3.5.0 cannot be properly displayed and the Annotation and Measurement function is unavailable on v3.4.4 or earlier versions.**
- **v3.5.0 and v3.4.0 involve the reconstruction algorithm upgrade, which requires upgrading the driver version of the NVIDIA graphics card of the computer device to v452.39 or above. Please upgrade in time to ensure the normal use of the reconstruction function. For details, please refer to NVIDIA Graphics Card Driver Upgrade Guide.**
- **If corrupted file is prompted or no response when installing v3.5.0 software, right-click the downloaded installation package and select Properties. Under the General tab, you will see message " This file came from another computer and might be blocked to help protect this computer " at the bottom of the window. Select Unblock and then click Apply > OK.**
- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2022- 07- 28

Version: 3.4.4

Update details

【Fixes】

- Fixed issue where gaps appear in 3D reconstruction output after customizing side length for block splitting.
- Fixed issue where block splitting fails and DJI Terra crashes due to excessive memory usage after customizing side length for block splitting.

【Note】

- **V3.4.0 involves the reconstruction algorithm upgrade, which requires upgrading the driver version of the NVIDIA graphics card of the computer device to 452.39 and above. Please upgrade in time to ensure the normal use of the reconstruction function. For details, please refer to NVIDIA Graphics Card Driver Upgrade Guide.**
- **After updating firmware, users are unable to continue modeling or change reconstruction file format for missions from v3.1.4 and earlier versions.**

- **After updating firmware, users must restart modeling to continue an incomplete reconstruction mission from v3.1.4 or earlier version.**
- **After changing file format, users must restart modeling to continue a completed reconstruction mission from v3.1.4 or earlier version.**

- **Users are unable to view reconstruction output produced in v3.3.0 if the firmware is reverted back to v3.1.4 or earlier versions.**
- **After renaming the mission in v3.3.0, users are unable to view reconstruction output in v3.1.4 or earlier versions.**
- Zenmuse L1 calibration function is required with Zenmuse L1 with firmware version higher than v02.04.01.08 (excluding v02.04.01.08).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2022- 05- 26

Version: 3.3.4

Update details

【Fixes】

- Fixes issue where users with online licenses cannot use premium functions offline within first two days after restarting DJI Terra.
- Fixes issue where outputs are layered after enabling Optimize Point Cloud Accuracy when processing LiDAR data collected from multiple flights.
- Fixes issue where DJI GSR or DJI Pilot cannot properly display downsampled DSM files generated by 2D urban reconstruction.
- Fixes issue where language of quality report always defaults to English after setting language option for DJI Terra when installing for the first time.
- Fixes issue where operation stutters when modifying results of identified objects in Agricultural Application.
- Fixes issue where drawings are incorrectly displayed when modifying results of identified objects in Agricultural Application.

【Note】

- **After updating firmware, users are unable to continue modeling or change reconstruction file format for missions from v3.1.4 and earlier versions.**
  - **After updating firmware, users must restart modeling to continue an incomplete reconstruction mission from v3.1.4 or earlier version.**
  - **After changing file format, users must restart modeling to continue a completed reconstruction mission from v3.1.4 or earlier version.**
- **Users are unable to view reconstruction output produced in v3.3.0 if the firmware is reverted back to v3.1.4 or earlier versions.**
- **After renaming the mission in v3.3.0, users are unable to view reconstruction output in v3.1.4 or earlier versions.**

- Zenmuse L1 calibration function is required with Zenmuse L1 with firmware version higher than v02.04.01.08 (excluding v02.04.01.08).
- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2022- 03- 14

Version: 3.3.0

Update details

【New】

- Adds support for 2D reconstruction with Map Grid, which sets grid length and divides digital orthophoto maps (DOM) and digital surface models (DSM) into grids.
- Adds support for detailed inspection mission with flight route waypoint check to ensure flight safety.
- Adds support for modifying base station coordinates when processing point cloud data collected by Zenmuse L1.
- Adds support for generating downsampled DSM in 2D reconstruction for urban scenes, which can be used in terrain follow flight mission.
- Adds support for sorting and filtering in Mission Library.
- Adds support for modifying feature point density.
- Adds support for setting aerotriangulation coordinate system in XML file.
- Adds support for Auto Rotate.

【Optimization】

- Increases 3D reconstruction speed by 25%.
- Fixes issue where cluster reconstruction fails due to local network instability and improves algorithm reliability.
- Reduces model (.b3dm、.osgb、.s3mb) volume by 30% to improve user experience.
- Updates Mission Library and Reconstruction pages to improve user experience.
- Adds support for using mission name as folder name to view reconstruction output easily.
- Adds Japanese, Korean, German, Spanish, French, and Russian language options for Quality Report.
- Adds support for simultaneous 2D and 3D reconstruction in a single mission. Make sure camera tilt angle of at least 3 images should be less than or equivalent to 35° for 2D reconstruction.
- Adds Reconstruction Parameter Checklist to ensure accuracy before reconstruction.
- Adds support for importing mark files after marking points in multiple devices.
- Adds support for adjusting height offset of point cloud data collected by Zenmuse L1.

- Updates 3D model background to black.
- Adds support for detailed inspection mission with point cloud files displayed by height, returns, or reflectivity.
- Adds quick measurement for Map.
- Adds support for defining ROI for 2D and 3D reconstruction separately.
- Adds support for copying ROI from 2D to 3D and vice versa.
- Adds support for viewing camera POS in Reconstruction.

【Fixes】

- Fixes occasional issue where there is low reconstruction efficiency when using high-performance computer.
- Fixes issue where worker device cannot be searched or applied when they are many worker devices in cluster reconstruction.
- Fixes issue where noise is produced when selecting 3D reconstruction circling scenario.
- Fixes issue where reconstruction fails after modifying parameters of previous aerotriangulation result.
- Fixes issue where altitude of DSM is incorrect when altitude of projected coordinate system is in imperial units.
- Fixes issue where size of 2D reconstruction file increases when projected coordinate system is in imperial units.
- Fixes occasional issue where there is no response during 2D reconstruction.
- Fixes issue where power lines are layered after enabling Optimize Point Cloud Accuracy in Zenmuse L1.
- Fixes issues where GNSS data in OEM6 format collected by Zenmuse L1 fails to perform point cloud processing.
- Fixes issue where point cloud data cannot be processed when collected while Zenmuse L1 is connected to China Mobile network RTK.
- Fixes issue where LiDAR flight route file in TXT format is incorrectly stored.

【Note】

- **After updating firmware, users are unable to continue modeling or change reconstruction file format for missions from v3.1.4 and earlier versions.**
  - **After updating firmware, users must restart modeling to continue an incomplete reconstruction mission from v3.1.4 or earlier version.**
  - **After changing file format, users must restart modeling to continue a completed reconstruction mission from v3.1.4 or earlier version.**
- **Users are unable to view reconstruction output produced in v3.3.0 if the firmware is reverted back to v3.1.4 or earlier versions.**
- **After renaming the mission in v3.3.0, users are unable to view reconstruction output in v3.1.4 or earlier versions.**
- Zenmuse L1 calibration function is required with Zenmuse L1 with firmware version higher than v02.04.01.08 (excluding v02.04.01.08).
- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2022- 01- 26

Version: 3.1.4

Update details

【Optimization】

- Optimizes LiDAR point cloud processing error message.

【Fixes】

- Fixes the issue of attitude calculation error during LiDAR point cloud processing.

【Note】

- Zenmuse L1 calibration function is required with Zenmuse L1 with firmware version higher than v02.04.01.08 (excluding v02.04.01.08).
- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4

- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2021- 10- 21

Version: 3.1.2

Update details

【Fixes】

- Fixes the issue of abnormal display of waypoints in the Detailed Inspection and measuring points in Annotation and Measurement.

【Note】

- Zenmuse L1 calibration function is required with Zenmuse L1 with firmware version higher than v02.04.01.08 (excluding v02.04.01.08).
- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.

- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2021- 09- 29

Version: 3.1.0

Update details

【New】

- Adds support for aerotriangulation cluster computation.
- Adds support for deleting photos within or out of selection box.
- Adds support for detailed inspection mission with Mavic 2 Enterprise Advanced.
- Adds support for Zenmuse L1 calibration.

【Optimization】

- Optimizes the reconstruction effect of visible light photos taken using Mavic 2 Enterprise Advanced or Zenmuse H20 series cameras.
- Optimizes 2D reconstruction from photos taken by camera without gimbal. Camera tilt angle should be less than 35°.

- Changes TianDiTu coordinate system to China Geodetic Coordinate System 2000 (CGCS2000).
- Optimizes cluster reconstruction interaction experience.
- Optimizes shared directory setting during cluster reconstruction.
- Adds support for canceling reconstruction tasks and changing task sequence order.
- Adds support for clicking to start reconstruction before all photos are imported.
- Adds license serial number in license information.
- Adjusts max distance of Shooting Distance to 100 m in detailed inspection mission.
- Adds support for video recording in detailed inspection mission.
- Optimizes post-processing algorithm for LiDAR attitude to improve point cloud accuracy.
- Supports LiDAR route document in TXT format for output
- Changes the disk capacity detection value to 200GB when DJI Terra starts.
- Adds message center.
- Removes Amap from map sources.

【Fixes】

- Partially fixes the issue of insufficient VRAM when using Zenmuse P1 image reconstruction.
- Fixes frequent reconstruction error after enabling Optimize Point Cloud Accuracy.
- Fixes issue where error message is incorrectly displayed when LiDAR point cloud data file is missing.
- Fixes issue where attitude failed to initialize due to error in LiDAR point cloud data.
- Supports parsing data file from third-party base station.
- Fixes issue where coordinate system changes to Arbitrary Coordinate System after processing LiDAR point cloud data is completed.
- Fixes issue where large-scale fruit tree reconstruction frequently fails.
- Fixes occasional issue where generating edge region of prescription map fails.
- Fixes occasional issue where there is low reconstruction efficiency when using high-performance computer.

- Fixes issue where the image on marking view in GCP management does not refresh automatically when switching between control points and checkpoints.
- Fixes issue where the image on marking view in GCP management does not scale to adapt to DJI Terra interface.
- Fixes issue where error occurs in checkpoint result when importing POS data from arbitrary coordinate system and optimizing using GCPs.
- Fixes occasional issue where importing LAS point cloud file to detailed inspection mission fails.
- Fixes issue where black patch appears in 2D reconstruction output result when using images collected at low altitude.
- Fixes occasional issue where low resolution 2D fruit tree reconstruction fails.

【Note】

- Zenmuse L1 calibration function is required with Zenmuse L1 v02.04.01.08 or higher firmware version (not including this firmware version)
- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0

- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only supports importing Detailed Inspection planning route)
- Matrice 300 RTK + H20 Series payloads (Only supports importing Detailed Inspection planning route)
- Mavic 2 Enterprise Advanced (Only supports importing Detailed Inspection planning route)

Release Date: 2021- 09- 17

Version: 3.0.4

Update details

【Optimization】

- Improves LiDAR point cloud processing speed after turning on Optimize Point Cloud Accuracy.

【Fixes】

- Fixes issue where some LiDAR point clouds are occasionally lost after turning on Optimize Point Cloud Accuracy.
- Fixes issue where the return number and number of returns of LAS are written incorrectly.
- Fixes issue where height of real-time 3D model is incorrectly measured.
- Fixes issue where low-resolution 2D reconstruction occasionally fails.
- Fixes issue of "NVIDIA graphics card not detected" in 3D reconstruction occasionally.
- Fixes issue where large-scale fruit tree reconstruction frequently fails.
- Fixed issue where height of route is displayed incorrectly under Fruit Tree mode.
- Fixes issue where fruit tree reconstruction occasionally fails when using data collected at high altitude.

- Fixes issue where the point cloud with recognition results cannot be displayed due to the modification of recognition results in large-scale fruit tree reconstruction.

【Note】

- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Phantom 4 RTK (NO-MONITOR RC) (Only Detailed Inspection planning route export is supported)
- Matrice 300 RTK + H20 Series payloads (Only Detailed Inspection planning route export is supported)

Release Date: 2021- 07- 01

Version: 3.0.2

Update details

【Fixes】

- Optimized Zenmuse L1 LiDAR point cloud post-processing pose solution accuracy, fixed some point cloud post-processing layering problems

【Note】

- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Matrice 300 RTK + H20 Series payloads (Only Detailed Inspection planning route export is supported)

【Supported Devices - Better data processing results】

- Phantom 4 Series
- Zenmuse P1
- Zenmuse L1
- Zenmuse X7

Release Date: 2021- 06- 08

Version: 3.0.1

Update details

【Fixes】

- Fixed the issue of failure to avoid obstacles when planning flight route in Agricultural Field mode or Multispectral mode.

【Note】

- Agras T10 or T30 users should use Agras drones with up-to-date firmware version to access Agricultural Applications.
- Agras T16 or T20 users should use Agras drones with specified firmware version to access Agricultural Applications (Please contact DJI Support for the firmware).
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Matrice 300 RTK + H20 Series payloads (Only Detailed Inspection planning route export is supported)

【Supported Devices - Better data processing results】

- Phantom 4 Series
- Zenmuse P1
- Zenmuse L1

- Zenmuse X7

Release Date: 2021- 05- 25

Version: 3.0.0

Update details

【New】

- Supports cluster computing mode
- Supports processing Lidar point cloud collected by ZENMUSE L1

【Optimization】

- Increased real-time 3D model processing speed by about 20%
- Increased 3D reconstruction processing speed by about 20%
- Optimized large-scale data reconstruction experience
- Optimized DSM and DOM for 2D reconstruction (DSM reduces the irregular outward expansion of a structure’ s borders to make the border appear smoother and less frizzy, while DOM optimizes the border area of a structure)
- Added PLY format and PCD format to 3D point cloud reconstruction results
- Current reconstruction tasks can now be viewed in the task library.
- 3D point cloud reconstruction results can now be displayed according to altitude
- Major upgrades to the aerotriangulation reconstruction speed of the non-gimbal camera images
- Optimized the reconstruction effect of ZENMUSE P1 or other high-resolution images
- Optimized the accuracy of RTK-enabled real-time reconstruction models
- Modify the upper limit of agricultural application route height setting to 30 meters

【Fixes】

- Fixed the issue where only the results of a single area were output when there were more than 1 connected component in the aerotriangulation results

- Fixed the issue of display offset due to incorrect order of latitude and longitude when the point cloud results of a geodetic coordinate system were output in the LAS format
- Fixed the issue of base map offset when 2D reconstruction results were scaled in CAD or Cass software
- Fixed the issue of incorrect GCP mark accuracy when the Windows system scaling setting is not at 100%

【Note】

- Agras T16 or T20 users should use Agras drones with firmware version 02.03.0303 higher to access Agricultural Applications.
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Matrice 300 RTK + H20 Series payloads (Only Detailed Inspection planning route export is supported)

【Supported Devices - Better data processing results】

- Phantom 4 Series
- Zenmuse P1
- Zenmuse L1
- Zenmuse X7

Release Date: 2021- 05- 19

Version: 2.3.3

Update details

【New】

- Supports real-time 3D model reconstruction (Phantom 4 RTK, Phantom 4 Pro V2.0, and Phantom 4 Pro + V2.0 only)
- Supports displaying aerotriangualtion output for multiple locations simultaneously
- Supports setting the height system to JGD2011
- Adds Tianditu as a map source

【Optimization】

- Supports changing output coordinate system after reconstruction is finished
- Supports adjusting the size of points in 3D point cloud

【Fixes】

- Fixes an issue where aerotriangulation optimization in GCP management is not constrained with image POS data

【Note】

- Use Agras drones with firmware version 02.03.0303 higher to access Agricultural Applications.
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Aircrafts - Route Planning】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 Pro V2.0

- Phantom 4 Pro + V2.0
- Phantom 4 Advanced
- Phantom 4 RTK (MONITOR RC)
- Matrice 300 RTK + H20 Series payloads (Only Detailed Inspection planning route export is supported)

【Supported Devices - Better data processing results】

- Phantom 4 Series
- Zenmuse P1
- Zenmuse L1
- Zenmuse X7

Release Date: 2021- 02- 04

Version: 2.3.2

Update details

【Fixes】

- Fixes an issue where certain AMD processors failed to bind with the authorization license

【Note】

- Use Agras drones with firmware version 02.03.0303 higher to access Agricultural Applications.
- **To provide you with a better user experience, the background server of DJI Terra will be updated on December 31, 2020. At that time, versions of DJI Terra earlier than V2.3.0 will not be able to connect to the server normally and all paid functions will be unavailable. Please update your DJI Terra to the latest version promptly so that your work will not be affected.**
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.

- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2020- 12- 11

Version: 2.3.1

Update details

【New】

- Supports offline login.
- Supports radiometric correction (P4 Multispectral only).
- Adds a new function where a camera calibration file is generated when reconstruction is complete for photos taken with the Zenmuse P1 camera.

【Optimization】

- Supports exporting to multiple formats after a reconstruction mission is complete.
- Supports point cloud colorization by elevation.
- Adds a function for generating prescriptions map using leveling variable rate strategy.
- Supports 2D reconstruction in TFW and PRJ.
- Adds support for separating flight missions from reconstruction missions.
- Supports a maximum gimbal pitch of 30° for waypoint missions and detailed inspection missions.
- Adds a search function to the detailed inspection model bank.
- Merges the field reconstruction semantic labels "field" and "other" into one label, "other."

- Semantic segmentation results editing page supports displaying field boundaries in Agricultural Applications.
- Field mode supports generating flight routes for concave polygon fields.
- Anti-Collision Safety Distance is set to 3.5 m and Auto Bypass is enabled by default in Agricultural Applications.
- Flight route width in Fruit Tree mode changes to a range of 1.5-10 m.

【Fixes】

- Fixes an issue where activation licenses could not be viewed due to inconsistencies between the server time and local time.

【Note】

- **Use Agras drones with firmware version 02.03.0303 higher to access Agricultural Applications.**
- **To provide you with a better user experience, the background server of DJI Terra will be updated on December 31, 2020. At that time, versions of DJI Terra earlier than V2.3.0 will not be able to connect to the server normally and all paid functions will be unavailable. Please update your DJI Terra to the latest version promptly so that your work will not be affected.**
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0

- Phantom 4 Advanced

Release Date: 2020- 11- 26

Version: 2.3.0

Update details

【New】

- Supports route planning for detailed inspection missions.
- Supports ROI reconstruction.
- Supports reconstruction with multiple graphics cards.
- Supports reconstruction for I3S format models.
- Supports exporting KML files for Waypoints flight missions or detailed inspections to DJI Pilot.
- Supports Russian, Korean, Spanish, French, and German language options.
- Supports displaying road maps.

【Optimization】

- Supports calculating the amount of pesticide used per mu for the total area of the selected field.
- Supports setting the size of the grid on the prescription map.
- Removes the route length limitation for semi-automated or manual route planning in Fruit Tree mode.
- The prescription map in Agriculture Applications is now compatible with T-series Agras using a spreading system.
- 2D multispectral reconstruction now supports only importing band photos and RGB photos required by a certain vegetation index.

【Fixes】

- Fixes a crashing issue caused by computers with large RAM, but small VRAM not using enough VRAM.

- Fixes an issue where the ground cannot be reconstructed at heights above 500 m.
- Fixes an issue where the settings of the output coordinate system and POS coordinate system were not synchronized automatically.
- Fixes an issue where height settings of the output coordinate system cannot be modified during the reconstruction process.
- Fixes an issue where "Output coordinate system error" is displayed when calibration is started, the installation directory of Terra contains Chinese characters, and the height of the output coordinate system is set to EGM96.
- Fixes an issue where measurement results are inaccurate when output coordinate system is set as arbitrary coordinate system for 2D reconstruction.
- Fixes an issue related to incomplete reconstructions in strip scenarios such as oil pipelines, roads, and rivers (for data not collected by Phantom 4 RTK).

【Note】

- **To provide you with a better user experience, the background server of DJI Terra will be updated on December 31, 2020. At that time, versions of DJI Terra earlier than V2.3.0 will not be able to connect to the server normally and all paid functions will be unavailable. Please update your DJI Terra to the latest version promptly so that your work will not be affected.**
- DJI Terra Permanent License update and maintenance fees: Users can update DJI Terra to any version released within the first year of use free of charge, starting from when license is activated. From the second year onward, users must pay for version updates annually.
- The Detailed Inspection function is now compatible with DJI Pilot V1.9.0R or later versions.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0

- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2020- 08- 28

Version: 2.2.1

Update details

【New】

- Adds square kilometers (km^2) as a unit of measurement

【Optimization】

- Removes the upper limit on the number of waypoints on an agricultural flight mission
- Setting calibration point at takeoff is no longer required for Agras drones
- Removes the upper limit on the number of calibration points
- Adds on/off switch for displaying auto-identified results at results correction page in agriculture applications

【Fixes】

- Fixes an issue where the Agriculture Applications UI turns green for users with a basic license version
- Fixed an issue in ".PNTS" point cloud, which causes rendering lags in DJI Terra and possibly in other 3rd party software
- Fixes an issue with the cursor being obstructed under the following scenario: User enters auto-identified results correction and enables the camera position display when using the Distance Interval (Auto) or Manual options for route planning under Fruit Tree > Continuous Spraying

【Note】

- Agricultural functions need to be used with firmware 02.03.02xx and above of Agras drones

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2020- 05- 27

Version: 2.2.0

Update details

【New】

- Adds support for importing POS data (with Height Offset settings)
- Adds support for exporting Aerotriangulation results (in DJI Terra format and XML)
- Adds support for large-scale reconstruction (Add 300-400 photos for every 1GB of additional RAM)
- Adds support for 3D reconstruction of power lines
- Adds support for model reconstruction for the 5-camera oblique system
- Adds support for SuperMap point cloud reconstruction in S3MB
- Adds semantic segmentation and automatic flight route generation in 2D field reconstruction
- 2D multispectral reconstruction supports generating semantic maps, prescription maps, and flight routes with varied spraying amounts
- Adds support for Fruit Tree mode 3.0, which supports manual planning, semi-automated planning, and Terrain Follow Accuracy adjustment
- Adds support for uploading field info to the DJI Agras Management Platform for users outside Mainland China

【Optimization】

- Adds shortcuts for certain functions
- Optimizes the field planning user interface
- Optimizes the Spot Spraying semantic display

【Fixes】

- Fixes an issue where exported annotation and measurement results are displayed as zero

【Note】

- 2D multispectral reconstruction requires importing photos from 6 bands

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2020- 04- 09

Version: 2.1.4

Update details

【New】

- Added Japanese as a supported language.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2020- 03- 30

Version: 2.1.3

Update details

【Fixes】

- Fixes the issue with being unable to use Coordinate System search function.
- Fixes the issue with deviated location information when field plans were exported for areas outside Mainland China.
- Fixes the issue where EPS software was unable to function normally when OSGB models were imported.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2020- 01- 02

Version: 2.1.2

Update details

【New】

- Supports S3MB model format for 3D reconstruction.
- Supports checking the original images of the captured area on the Modify Result page in Fruit Tree mode.

【Optimization】

- Adds input fields for route parameters.

- Adds support for switching between 2D and 3D base maps in real time 3D point cloud.
- Supports adding waypoint actions to all waypoints in a flight route task (starting/stopping video recordings not included).
- Supports importing images by folder.
- Adds fitted area for 3D model to Annotation and Measurement.
- Adds support for withdrawing modified results in Fruit Tree mode.
- Optimizes result modification methods in Fruit Tree mode.
- Supports importing and exporting multiple tasks.

【Fixes】

- Fixes the issue caused by single control point when optimizing triangulation results.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2019- 11- 28

Version: 2.1.1

Update details

【Highlights】

- Adds support to 2D Multispectral Reconstruction

【Optimization】

- Changes the identification color of telegraph poles to red for fruit tree missions.
- Graphics cards with Turing GPU architecture supports 2D map reconstruction in Fruit Tree mapping scene.

【Fixes】

- Fixes specific issues and improves overall software quality.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

【Note】

- 2D Multispectral reconstruction is only available for multispectral images captured by P4 Multispectral.
- Changes the identification color of telegraph poles to red is only available for fruit tree missions generated in V2.1.1 and later versions.

Release Date: 2019- 09- 24

Version: 2.1.0

Update details

【Highlights】

- Adds support to corridor flight route mission.
- Adds support to Real-time 3D point cloud.

【New】

- Adds support to GCP management.
- Supports Output Coordinate Systems selection.
- Adds support to the output and check of 3D point cloud.
- Supports 3D reconstruction circling scenario.
- Supports OSGB, PLY, and OBJ formats for 3D reconstruction.

【Optimization】

- Doubles the 2D reconstruction speed.
- Supports the progress checking for reconstruction missions in mission library.
- Supports in-order multi-mission reconstruction.
- Supports searching for Mission Library
- Adds the low lit exposure scenario for Shutter Priority.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

【Note】

- Real-time 3D Point Cloud is only available for Phantom 4 RTK (Remote Controller), Phantom 4 Pro V2.0, and Phantom 4 Pro+V2.0.

Release Date: 2019- 09- 16

Version: 2.0.4

Update details

【Fixes】

- Fixes the issue where the spraying toggle is located incorrectly for some scenarios in fruit tree mode.
- Fixes the issue where the flight route in some scenarios of fruit tree mode is different from that displayed in the MG app.

【Supported Devices】

- Phantom 4

- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2019- 07- 24

Version: 2.0.3

Update details

【Highlights】

- Supports auto identification for tree crown center and spraying tasks for fixed points in fruit tree tasks.
- Auto-identified results can now be modified for fruit tree tasks.

【New】

- Supports configuring exposure compensation parameters for shutter priority.
- Supports selecting export content when exporting tasks.
- Supports executing any flight route tasks for oblique photography tasks.

【Optimization】

- Supports license 7-day expiration reminder.
- Optimizes task library user experience.
- Supports waypoint switch shortcuts (Ctrl+left/right button) for waypoint tasks.
- The minimum flight speed of all flight route tasks are adjusted to 0.2 m/s.

【Fixes】

- Fixed the issue where the data collection overlapping rate may not be consistent after the task is resumed from the break point.

【Supported Devices】

- Phantom 4

- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2019- 07- 02

Version: 2.0.2

Update details

【Fixes】

- Fixes flight records file errors.
- Fixes flight mission saving errors in Dubai region.
- Fixes GEO zones display error in London.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2019- 05- 24

Version: 2.0.1

Update details

【New】

- Supports fruit tree missions uploading to DJI Agras Management System (only available in Mainland China).

【Fixes】

- Fixes account permission issues.
- Fixes searching errors for Google Map.
- Fixes reconstruction errors for fruit tree mission placed in southern and western hemispheres.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

Release Date: 2019- 05- 06

Version: 2.0.0

Update details

【Highlights】

- Introduces an Oblique Photography Mission for comprehensive data collection within the mission area.
- Supports 3D model reconstruction in OSGB, B3DM, and PLY formats.
- Supports adaptive subdivision for 3D reconstruction to optimize RAM consumption.
- Supports Annotation and Measurement features for coordinate, distance, area, and volume measurement.
- Displays Camera Pose for viewing the corresponding positions of all capture points and selected points.
- Supports DSM output for 2D map reconstruction.
- Includes Quality Report for reconstruction (for details, see How to read Quality Report).

- Supports 3D mission planning for 3D waypoint flight missions based on 3D model.
- Includes new feature for binding reconstruction results to waypoint missions.
- Supports Timed Shot and aircraft yaw angle adjustment for waypoint missions.
- Supports viewing and managing Unlocking Licenses.
- Supports auto flight route generation based on fruit tree auto recognition result.

【Optimization】

- Supports 2D map reconstruction based on UTM projection.
- Optimizes RAM consumption for 2D map reconstructions to process more images.
- Optimizes image definition of DOM to ensure the details of original images are maintained as accurately as possible.
- Supports direct access to the reconstruction page through the mapping or oblique photography mission editing screens.
- Improves method for adding images to reconstruction missions.
- Supports new feature for displaying and hiding capture points on 2D maps.
- Supports shortcuts (Ctrl + Alt + F) for quick access to the mission folder.
- Supports setting negative relative height values for better data collection in areas with a higher altitude than the takeoff point.
- Improves FPV stuttering issues during missions.

【Fixes】

- Fixes specific issues and improves overall software quality.

【Supported Devices】

- Phantom 4
- Phantom 4 Pro
- Phantom 4 RTK (Remote Controller)
- Phantom 4 Pro V2.0
- Phantom 4 Pro + V2.0
- Phantom 4 Advanced

【Note】

- To share mapping missions from DJI Terra V1.3.0 with other users, open the mission with version 2.0.0 and then export it for sharing.

Release Date: 2019- 03- 28

For more information, please visit https://www.dji.com/dji-terra.