DJI Terra Release Note

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).

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- 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.