IPLEX One November 3rd 2026 (customer release date),

This release contains improvements and bug fixes for IPLEX One:

New Version: 2.30A

What is new?

- Updated wireless regulatory information (China, Vietnam, and Nigeria).
- 3DAssist for videos recorded with TX II scopes is supported.
    - This feature is available when one of the following conditions is met:
        - 3DAssist option for IPLEX One device option (N4173100) is activated
        - Expert for IPLEX One device option is activated
        - Prime for IPLEX One device option is activated
        - 3DAssist for TX II device option (N6782000) is activated
        - Software and 3DAssist for TX II device option (N6782100) is activated
    - 3DAssist standalone software (any versions) running on your PC or laptop does not currently support loading TX II videos recorded with IPLEX One software. However, the standalone software is scheduled to be updated to load these videos by the end of this year.
- BitLocker will be enabled when updating the units to version 2.30A to ensure information security.
    - Please allow sufficient time for the update, as the BitLocker encryption adds extra processing time. The waiting time varies depending on the number of files stored in the internal storage.
    - The expected processing time depends on the capacity used. With 150 GB, it is about 2 minutes. With 220 GB, it is about 5 minutes.

Bug fixes & Changes:

Measurement:

- Fixed an issue where the Accuracy Check process failed under some specific conditions.

General:

- Fixed an issue where the system crashed when stopping video recording via the remote.
- Updated the behavior so that Continuous Video is disabled when access to internal storage is disabled.
- Fixed an issue where Date and Time was not correctly reflected.
- Fixed an issue where the system crashed when stopping video recording by using the record button on the remote.
- Fixed an issue where the Contrast slider in Scene did not align with the button alignment in Menu (Low and Normal was inverted in the slider).
- Added support for a feature to manually swap scope signal source from One to TX II and vice versa.

Revision History

New Version: 2.20A

What is new?

- Updated wireless regulatory information (Taiwan and South Africa).
- Added the instruction manuals in Czech, German, Spanish, French, Hungarian, and Korean.
- In File management, the thumbnail view now shows an icon for files being Videos instead of Images.
- ViSOL now supports resources being added to the PLAN. When creating a blueprint, the resource tab can be populated. Within an asset, please tick the box for which resources you wish to share with the device.
- Supported the live streaming and over-the-air update features in EU countries and related markets by RED requirement compliance.
- Added new save options for two smaller-sized video file options (Standard and Low data usage). The videos will have changed the compression ratio, but it will not miss frames. The change to the video quality is small compared to the change in file size.
- Added “Partial” mode in Print Screen allowing users to save videos and images with annotations for Blade Counter and Turning Tool, company logos, and gravity icons. Please refer to the specification tables below.

Standard adapters	Off	Partial	All
Image Annotation OFF	**Original image**	**Original image** + Live Annotations	**Screen Capture with GUI** + Live Annotations
Image Annotation ON	**Original image** **Original image** + Live Annotations + Image Annotations	**Original image** + Live Annotations + Image Annotations	**Screen Capture with GUI** + Live Annotations + Image Annotations **Screen Capture with GUI** + Live Annotations
Measurement adapters	**Off**	**Partial**	**All**
Image Annotation OFF	**Original image** + Measurement data	**Original image** + Live Annotations + Measurement data	**Original image** + Measurement data **Screen Capture with GUI** + Live Annotations
Image Annotation ON	**Original image** + Measurement data **Original image** + Live Annotations	**Original image** + Live Annotations + Image Annotations + Measurement data	**Original image** + Measurement data **Screen Capture with GUI** + Live Annotations

	+ Image Annotations + Measurement data		**Screen Capture with GUI** + Live Annotations

Measurement:

- Supported the deepest and highest values and their positions on the cross section.

Bug fixes & Changes:
Measurement:

- Fixed an issue where annotation objects were overlaid on the 3D model when clicking the "Capture" button and applying them to the 2D image.
- Updated the displayed decimal place for the ratios in Arc to one so that the numerator, denominator, and ratio are all consistent.

General:

- Fixed an issue where frame drops occurred during live image display and video recording.
- Fixed an issue where the connection between the mobile app and the One app was unstable in specific environments in Live Streaming.
- Fixed an issue where the "Folder Copy" to internal storage and external drives did not work.
- Changed the behavior so that the "Capture" button is disabled when the "SWOPT" button is clicked and the optical path is switched when using Swoptix 3D measurement adapters. This update is applied to avoid saving an image without measurement data even though Swoptix 3D measurement adapters are installed.
- Fixed an issue where the system could not detect the wireless remote control in the initial setup.
- Fixed an issue where the software could not recognize the correct scope model or display the live images in the lowest Grade.
- Fixed an issue where the "SSID/Password" button in Data Transfer was not translated.
- General updates and bug fixes to ViSOL operating system.

Compliance with RED regulatory requirements:

- Added a pop-up notifying of abnormality detection in critical and prohibited processes.
- Supported offline system update (security patch).
- Added a pop-up notifying of risks in capturing privacy information.
- Added a pop-up urging users to grant connection permission when establishing communication with a mobile device for the live streaming feature.

Changed the behavior so that the live streaming feature does not work unless the initial password has been changed.

New Version: 2.10A

What is new?

- General:
  - Fixed the issues related to verification checks where accuracy could not be validated.
  - Updated wireless regulatory information (Indonesia, Oman, and Singapore)

- Added a live streaming feature that allows you to mirror the IPLEX One screen from a remote location using a mobile app (please note the app itself is still going through approvals with Apple & Google so it is not yet available for download).

Bug fixes & Changes:

Measurement:

- Shortened the process time for calculating the reference surface for Point to Curve. The performance has improved.
- Fixed an issue where the reference length became four times longer in 3DAssist when adjusting a reference point.
- Changed the behavior so that the "Reference View" button is disabled when no reference is placed.
- Fixed an issue where measurement results disappeared during the cross-sectional view mode.
- Changed the behavior of the "Invert" button so that clicking it flips the displayed 3D model.
- Fixed an issue where the measurement labels would return to their original position once the model is moved rather than their new anchor points.

Wireless features:

- Improved reconnection performance when the wireless signal became weak.
- Fixed an issue where the system connected to an external network through the base unit connection module.
- The buttons to enable you to use the wireless features via 3rd-party dongles have been eliminated due to regulatory compliance. These buttons were previously displayed before the features are disabled.
- Updated the "Base Unit WiFi" button's behavior so that it is disabled when the base unit is disconnected.

ViSOL:

- Fixed an issue where images captured with Swoptix 3D Measurement could not be measured in ViSOL.

Software:

- Fixed an issue where image recording took longer when connected to a high- resolution monitor. Fixed the issue where measurement had a delay when using HDMI cable.
- Fixed an issue where the "Copy" button failed to work in View.
- Fixed an issue where files in the root directory of external media could not be viewed on IPLEX One.
- Improved the behavior so that annotations were not reset when switching between wired and wireless connections to the base unit.
- Fixed an issue where annotations were reset when switching between full-screen and menu screens.
- Fixed an issue where accuracy verification did not function properly under certain conditions.
- Fixed an issue where the pop-up to select if a new video should be combined with the previous one disappeared when navigating through screens other than the live screen.
- Fixed an issue where folder creation failed when external media was empty.
- Fixed an issue where the gravity direction indicator was disabled after restarting.

- Fixed an issue where switching to the built-in (front and rear) cameras was not possible when connected to TX II scopes.
- Fixed mistranslations in the Korean language.
- Addressed the following vulnerabilities.

CVE-2026-34059, CVE-2026-34032, CVE-2026-33857, CVE-2026-33523, CVE-2026-33007, CVE-2026-33006, CVE-2026-29169, CVE-2026-29168, CVE-2026-28780, CVE-2026-24072, CVE-2026-23918

New Version: 2.00A

What is new?

- Measurement:
  - Added Spot Ranging (a new option to display object distances) in Ranging. This does not replace 'ranging', but adds a second option closer to the experience on the NX.
  - Added a Region of Interest (ROI) feature that displays the deepest and highest points within a defined area.
  - Added a manual contour adjustment for Missing Corner and Multi.
  - Updated the operational flow in Tip Clearance. The new default is the basic easier version, but the original tip clearance can still be found in the 'method' menu.
  - Increased the number of reference points to define the reference surface in Point to Curve.
  - Added a feature to adjust the area size used for the reference estimation in Point to Curve.
  - Updated Arc so that white circles are parallel to the object surface.
  - Added reference measurements for 3D models generated by 3DAssist.

- Analysis:
  - Added one-way communication (from turning tool to IPLEX One) with FutureDriveNG+ provided by Rhinestahl.
  - Added Blade Counter.
  - Annotation is now available in two ways. Image annotation can be applied to the live view to be imprinted into images, or it can be turned on in the settings to prompt/pop up on an image capture.
  - Added a pause recording feature.

- General:
  - Updated wireless regulatory information (Korea, Malaysia and Argentina)
  - Added Turkish and Arabic to display languages.
  - Supports drag-and-drop operations in the Tools screen.
  - Supports the built-in front and rear cameras in the Operation Unit (excluding EU and related markets)

Bug fixes & Changes:

Wireless features:

- Fixed an issue where the scope illumination would automatically turn off during wireless connection between the base unit and control unit.
- Improved reconnection performance when the wireless signal became weak.

Software:

- Fixed an issue where the automatic image rotation based on the gravity senser for Swoptix Multiview did not function.
- Fixed an issue where the “Select All” button did not function.
- Fixed an issue where the remote control did not function in Files screen.
- Fixed an issue where the exposure time setting did not function when the “Long Exposure” button was enabled in Advanced Image setting.
- Fixed an issue where measurement cursors could automatically move.

New Version: 1.11A

What is new?

1.11A is the largest upgrade to the software & firmware IPLEX One has seen since release.

- Major fixes to the wireless performance:
  - The first fixes are relating to issues where the live image was dropping frames (including firmware changes).
  - Secondly, the reliability relating to system crashes because of wireless usage has been significantly improved.
  - Third, the system is now significantly more reliable at re-gaining wireless connection when the signal is lost.
- Copying larger files to external media is now much faster and does not ‘hang’ in time.
- The user interface for file movement/management has also been updated to a much simpler folder structure (you no longer see the automatic breakdown of every single folder).
- Displayed processing icons will now appear when the software is processing something. (i.e. when you click files or when you press measure, you will now get a loading screen).
- Major fixes to the articulation whereby the illumination used to switch off when you alter the speed etc. These issues have been removed.
- The ViSOL application has been updated and installed. ViSOL now has re-measurement available on device too.
- The “delete folder” button is now available (this also allows you to now delete the inspections sat in PLAN).
- Many other fixes and changes detailed below:

Bug fixes & Changes:

Wireless features:

- Fixed an issue where the Wi-Fi of the base unit would be disconnected during startup.
- Fixed an issue where the wireless remote control would sometimes disconnect.
- Fixed an issue where the Bluetooth setting turned off when the tablet was turned off with Bluetooth on.
- Fixed an issue where the wireless remote was temporarily disconnected.
- Fixed an issue where the label showing the wireless remote status remained “Connected”.

Measurement:

- Fixed an issue where the thumbnail in PLAN was not updated in real time when a measurement was started from VIEW and an image was captured.
- Fixed an issue where the ranging map sometimes failed during the wireless communication.

- Fixed an issue where the reference line in Missing Corner occasionally disappeared in the 3D view. This now shows on every measurement.
- Fixed an issue where the purple area indicating measured area in the 3D view was split into two shades (light and dark purples). The overlapping white lines are still to be rectified, but the shading areas which were obvious to see on 3D view have been removed.
- Fixed an issue where the 3D model in measurement would continuously rotate if moved by the wired remote.
- Fixed a crash while performing arc measurement.
- Fixed an issue where the light stayed on in the measurement window.
- Fixed an issue where the cross-sectional view did not work until measurement cursors were placed.
- Fixed an issue where the alert pop-up was not displayed when the Ranging button was pressed without checking the accuracy.
- Fixed an issue where the blue line showing the cross-section became thick or inconsistent depending on the viewing angle or the 3D model shape in the cross-sectional view. The cross-section is now represented by dots.
- Fixed an issue where the loop for Area couldn't be closed when stereo matching results were mismatched.
- Fixed an issue where the footer was not displayed in the measurement view when the UNIV button that assigned to the behavior was clicked on the remote.
- Fixed an issue where measured results were not displayed for some specific conditions.
- Fixed an issue where reference lines were short in the Missing Corner.
- Fixed an issue where indices could not be added in the measurement view while recording.
- Fixed an issue where a live image was captured in the measurement view when coming from 3DAssist with Print Screen off.
- Fixed an issue where cursor movement via the remote did not work when the cursor was not displayed in the 3D view.
- Changed the display in the measurement method selection dialog so that only the 1-to-1 matching option is shown when the serial number for 1-to-1 is the same as the one for F/S.

Software features:

- Fixed an issue where articulation remained locked when using Image Auto Rotate based on the gravity sensor.
- Fixed an issue where an error pop-up appeared when PNG files created by customers were used as a Ghost reference image.
- Fixed an issue where the company logo at 0 and 180 degrees was sometimes displayed at the wrong location when the rotate tablet lock was enabled.
- Fixed an issue where the aspect ratio of the company logo was off when the tablet was rotated 90 degrees.
- Changed the folder selection dialog so that displayed folders have a tree view when the "Copy" button is clicked.
- Fixed a crash that occurred when copying large files to external media by displaying a processing icon during the operation.
- Changed the function of the lock icon displayed in the top menu so that it indicates whether the tablet rotation is locked.

- Fixed an issue where a long press of the REC button on the remote recorded videos even when Print Screen was off.
- Fixed an issue where angle lock status was changed when inactive buttons were clicked.
- Fixed an issue where the constant video icon showed “during recording” even though the base unit was disconnected and the constant video status was automatically turned off.
- Fixed an issue where the Live button was highlighted in the View and measurement views.
- Fixed a crash that occurred in some specific operations.
- Fixed an issue where display language in the alert pop-ups was not updated after the language settings were changed.
- Displayed the pop-up notifying users that a system restart is required when the display language is changed.
- Fixed a crash that occurred after the display language was changed from Chinese to something else.
- Fixed an issue where image parameter settings were disabled when the Wi-Fi setting was on.
- Fixed some incorrect wordings.

PLAN features:

- Changed PLAN so that the root folder of the synced folder structure is activated after ViSOL synchronizes the structure.
- Fixed an issue where videos couldn’t play from the thumbnail view even though they were able to play from PLAN.
- Fixed an issue where the incorrect folder was selected after creating a new folder when PLAN was displayed and then external media was switched in the thumbnail view.
- Fixed an issue where the wrong folder was selected in PLAN when the external media was set to on in the thumbnail view.
- Fixed an issue where measured results differed depending on whether it was launched from PLAN or View.

TX II features:

- Fixed an issue where the button appearance was inconsistent when TX II scopes were connected.

New Version: 1.06A

What is new?

- Major fixes to articulation issues (including firmware)
- E-Label Renewal for Australia and New Zealand
- Updated Instruction Manual in Chinese, Japanese, and English
- Copying larger files to external media is now much faster and does not ‘hang’ in time.

Bug fixes & Changes:

Wireless features:

- Fixed an issue where the articulation was delayed and angle speed control occasionally did not function when using the Wi-Fi connection.
- Fixed major issue where changing the articulation speed would automatically switch off the light source.
- Fixed issue where articulation would not work in wireless mode.

- Fixed issue which causes ranging to not work when in wireless mode.

Measurement:

- Live images occasionally stuttered (some image frames were dropped) when using the Wi-Fi connection. This has been fixed.

New Version: 1.05A

What is new?

- The default 'out of the box' image setting parameters in the settings are changed. All previous versions of software required the image parameters to be changed from the centre of the slider to achieve correct color reproduction, etc.
- In measurement, you can now move and expand the grey instructional box in the top right corner to make it easier to see.
- You can see in file management whether an image is a measurement image or not (there is a small ruler icon on the bottom left of the image).
- Issues relating to use of wired remote should be addressed, and so the wired remote can now be used by everyone.

Bug fixes & Changes:

Measurement/Live screen:

- Fixed an issue where the "Measure" button was greyed out during video recording.
- Fixed an issue where buttons on both left and right sides were displayed right after application launch.
- Fixed an issue where the "Freeze" button was not available during the live ranging map.
- Fixed a system crash that occurred when the image after the "SWOPT" button was clicked was retrieved and measurements were attempted.
- Fixed an issue where the 3D model kept moving and continued to roll when clicking the buttons on the left and right panels while operating the joystick on the remote.
- Fixed an issue where the application crashed when clicking the "Ranging" button repeatedly.
- Fixed an issue where the "Capture" button was grayed out during the live ranging map.
- Fixed an issue where the conventional stereo adapter, not Swoptix, automatically switched from dual view to single view when the image was frozen during the live ranging map.
- Fixed an issue where it automatically turned to the full-screen view after the "SWOPT" and "Freeze" buttons were clicked.
- Fixed an issue where the image file was stored with the resolution for single view when the conventional stereo adapter was attached, it was dual view, and right after application launch (This bug occurred only once after the launch).
- Fixed an issue where rotation of the tablet crashes the system (please be aware that if you rotate 180 degrees, there is still a bug which leaves the gravity sensor upside down).

Settings/software:

- Fixed the captions at the top right corner in the settings, which did not align with those on the left buttons.
- Fixed an issue where airplane mode was not enabled using the specific file.
- Deleting images now functional in the swipe down file manager.

ViSOL:

- Fixed an issue where the Simplified Chinese language was not set in ViSOL.

New Version: 1.03A

What is new:

Measurement/Live screen bugs

- The startup time for the Live Ranging Map has been shortened when launching the system for the first time.
- Fixed a bug where the video recording button was not available on the measurement screen when the Print Screen setting was set to “On”.

Settings/software

- Fixed an issue where the yellow exclamation mark was displayed on the seek bar when playing videos.
- The built-in camera is disabled when using Teams or Zoom.
- Fixed a bug where the video parameters were not initialized when the IR or UV light source is mounted.
- Fixed an issue where the "Add file mark" and "Add title" icons on the right button were not displayed.
- Fixed a bug where selecting the 2nd and 3rd grid patterns from the inspection settings caused the pattern to be overlaid with the buttons on the left and right panels.
- Fixed a bug where the “Scene” button in the settings was not grayed out during freezing.
- Fixed a bug where the remote control didn’t work when viewing the operation manual in the settings.
- Fixed a bug where the application crashed when the adapter was attached or detached while the splash screen was displayed.

TX II + IPLEX One

- Fixed a bug where the GAIN icon and the light icon were not displayed at the same time when connecting the TX II scope.
- Fixed a bug where the “Scene” and the “video frame rate" buttons were not grayed out while the image was frozen.
- The remote control supports the settings.

New Version: 1.01A

Measurement/Live screen bugs

- Bug fix on automatically moving measurement cursor whilst using remote for measurement.
- Options for capture/live etc whilst within cross sectional view now available.
- Blue measurement/swopt button now greyed out on standard optical adapters.
- NF/FF now labelled the correct way round in the footer when fitted.
- Selecting Ghost on the right hand ribbon/customised menu now works even when ghost feature is already active.
- Bug fix on returning to live screen within certain menus. Previous scenario had certain situations where the live button would not be working properly.

Settings/software

- Full options related to selecting USB stick for copy/paste in file manager now available.
- Bug relating to system crash on removal of Bluetooth dongle fixed.
- Bug relating to the live image not being displayed when the base unit Wi-Fi is turned 'ON'.
- Improvement to Setttings menu base unit Wi-Fi stability. Previous scenario could show the base unit Wi-Fi as 'ON' in the Settings, but show no live image.
- Additional settings added related to wireless function EFF/E-Label (China only).

Other Bug Fixes

- Bug fix relating to still images not being recorded if audio recording was switched on.
- Bug fix relating to USB unplug crashes. Certain USBs had crashed the IPLEX One.
- Improvement to stability for Wi-Fi connection to base unit. Previous version had some issues where it did not connect first time.
- Fixed bug where IPLEX One crashes and changes the screen display when plugging/unplugging HDMI Cables.
- Bug fix on constant video recording related to USB and HDMI removals.

3D Assist + IPLEX One

NOTE: 3DAssist is available on your IPLEX One. You will need to capture a video using a standard optical adapter or Swoptix Multiview adapter. Then you can press 'measure' whilst re-playing the video through the file manager to generate the model. **The measurement functions have not yet been added to the current version.**

- 3DAssist library updated (improvements to stability).
- Bug fixed around video file loading for 3DAssist (crashes on loading screen).
- Bug fixed around consumption rate on memory when repeatedly using 3DAssist in IPLEX One.
- Bug fixed where some measurement operation through the remote was working for 3DAssist.

TX II + IPLEX One

- White balance added to TOOLS initial settings and displayed on the R button.
- Fixed an issue where the video source between TX II and IPLEX One was not changed after clicking the switching button.
- Fixed an issue where the customisation button was not displayed on the TOOLS screen.